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Sea Research Part II: Topical Studies in  
Oceanography*

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## Title word cross-reference

**\$#** [BHS<sup>+</sup>10]. 1 [DLR<sup>+</sup>01, DP99, JCF<sup>+</sup>06b, TLMT97]. 2 [EB01, JCF<sup>+</sup>06b].  
3 [CBF01, Cok16, FC01, GGLP02, GMPS04, JCF<sup>+</sup>06a, JDL<sup>+</sup>12, MRM<sup>+</sup>12,  
SGB<sup>+</sup>02, WTSP07]. 4 [FM03c]. 50°S [RWJ06]. 60°N [RWJ06]. 80°E  
[MKB<sup>+</sup>10]. < [RMCAR06]. > [EBG<sup>+</sup>15, OvdRvA<sup>+</sup>22]. - [GAC<sup>+</sup>02]. <sup>10</sup>  
[AFB<sup>+</sup>94, CAFK03b, YKS03]. <sup>12</sup> [ZQ97]. <sup>13</sup>  
[BCWT00, BW99a, BOP95, CHL<sup>+</sup>15, CSL<sup>+</sup>07, CMVS<sup>+</sup>10, DKN<sup>+</sup>97,  
DBMI17, GOH<sup>+</sup>15, HFK<sup>+</sup>02, MSJS08, QW15, SRFR07, SBN<sup>+</sup>15, TA01,  
WMH<sup>+</sup>07, WKM<sup>+</sup>07a, WCSA<sup>+</sup>16, ZQ97]. <sup>137</sup>  
[HA03, Ike03, LLLP<sup>+</sup>03, NP03, OHT12, PFG<sup>+</sup>03, PdBK<sup>+</sup>03, TKP<sup>+</sup>20]. <sup>14</sup>  
[CMT93, DTB<sup>+</sup>02, LLB<sup>+</sup>00, MGC<sup>+</sup>14, ME02, PDTS08, RTB02, ROPB03,  
WCSA<sup>+</sup>16]. <sup>15</sup> [BOP95, CHG15, DBMI17, HFK<sup>+</sup>02, JHHK14, KW00,  
MSJS08, MTMK<sup>+</sup>13, MGC<sup>+</sup>14, RLP<sup>+</sup>98, ROPB03, SBN<sup>+</sup>15, WMH<sup>+</sup>07]. <sup>18</sup>  
[CMVS<sup>+</sup>10, LLB<sup>+</sup>00, MBW<sup>+</sup>08]. <sup>210</sup>

[AFB<sup>+94</sup>, BBB94, CMG<sup>+12</sup>, CCZ<sup>+21</sup>, CCC<sup>+03</sup>, HBCC13, LMS09, MLG<sup>+04</sup>, NZT97, OHT12, RH99, RSB<sup>+15</sup>, SKC99, SSL98, STWW01, VMM<sup>+08</sup>, VMGO<sup>+09</sup>, WCL<sup>+15a</sup>, YA03, YCT<sup>+22</sup>, ZGW<sup>+23</sup>]. <sup>210</sup> [SRF95]. <sup>226</sup> [KL96c]. <sup>228</sup> [CBB<sup>+00</sup>, KLKB95, LKK<sup>+95</sup>, RKS<sup>+95</sup>]. <sup>230</sup> [AFB<sup>+94</sup>, CAFK03b, FA03, HAF<sup>+15</sup>, LKK<sup>+95</sup>, OOG<sup>+07</sup>, SvdLM95, SFV<sup>+01</sup>, SSL98, YCT<sup>+22</sup>]. <sup>231</sup> [AFB<sup>+94</sup>, CAFK03b, FA03, HAF<sup>+15</sup>, SvdLM95, VvdLS11]. <sup>234</sup> [ACH02, BCH<sup>+96</sup>, BMK<sup>+13</sup>, CM99a, CMB99, CBB<sup>+00</sup>, CMA<sup>+09</sup>, DMY<sup>+97</sup>, FS02, GAC<sup>+02</sup>, MDTS08, MES97, MSTT07, MYN<sup>+96</sup>, NKB95, PDSS96, RFB97, STJ<sup>+08</sup>, SSL98, SSH<sup>+11</sup>, SRF95, SCM<sup>+09</sup>, TTLP06, VMGO<sup>+09</sup>, YA03, YHL<sup>+12</sup>, vdLCS<sup>+11</sup>]. <sup>238</sup> [ACH02, MES97, TTLP06, VMGO<sup>+09</sup>]. <sup>239,240</sup> [HA03, LLLP<sup>+03</sup>, MPS<sup>+03</sup>, PFG<sup>+03</sup>]. <sup>241</sup> [LLL<sup>+03</sup>, MPS<sup>+03</sup>]. <sup>270</sup> [NZT97]. <sup>3</sup> [JML08, KLLO98, MPS<sup>+03</sup>]. <sup>32</sup> [WBM96]. <sup>33</sup> [WBM96]. <sup>39</sup> [SKS<sup>+16</sup>]. <sup>40</sup> [SKS<sup>+16</sup>]. <sup>7</sup> [CLGM05]. <sup>90</sup> [Ike03, LLLP<sup>+03</sup>, MPS<sup>+03</sup>, PFG<sup>+03</sup>]. <sup>2</sup> [AAG06, AKBD13, ALT<sup>+13</sup>, BBL<sup>+13</sup>, Bat01, BCWT00, BCM02, BTR95, BDO00, CSW<sup>+18</sup>, CG07, CB09a, CFT<sup>+04</sup>, CCK<sup>+16</sup>, CSL<sup>+07</sup>, CBB<sup>+95</sup>, CMNM16, CMB02, CJM<sup>+22</sup>, DHW98, DOBH02, DVPR06, DLF<sup>+09b</sup>, DTR<sup>+09</sup>, DWW<sup>+02</sup>, DCF<sup>+11</sup>, ECD<sup>+17</sup>, FWC<sup>+95</sup>, FBC<sup>+02</sup>, FSL<sup>+01</sup>, Hei02, IIM02, IIM<sup>+09</sup>, ITMG18, KRF01, KLLO98, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, LSF<sup>+01</sup>, LBM09, MLVM02, MCJ<sup>+99</sup>, Mun07, MLS<sup>+15</sup>, MKS<sup>+02</sup>, NBSM01, NMW<sup>+09</sup>, NSvH<sup>+11</sup>, OLG<sup>+01</sup>, PWF03, PHD<sup>+18</sup>, PNS<sup>+09</sup>, PGK15, RBJW16, RWL<sup>+93</sup>, SMCA01, SWB<sup>+09</sup>, SMP<sup>+15</sup>, SLB13a, SDCH99, SZB<sup>+19</sup>, TSS<sup>+02</sup>, TSW<sup>+09</sup>, TLP<sup>+12</sup>, WTL<sup>+06</sup>, YKS<sup>+19</sup>, ZNM<sup>+02</sup>, Zon07, vHHH<sup>+11</sup>]. <sup>2</sup> [PHD<sup>+18</sup>]. <sup>3</sup> [BZvHH00, ESA<sup>+09</sup>, EAS<sup>+09</sup>, KSS00a, SMCA01]. <sup>3</sup> [MBL<sup>+15</sup>, PHD<sup>+18</sup>]. <sup>4</sup> [GOH<sup>+15</sup>, KLLO98]. <sup>30</sup> [MBL<sup>+15</sup>]. <sup>6</sup> [LML<sup>+01</sup>, TOF04]. <sup>exc</sup> [STWW01]. <sup>org</sup> [WWW<sup>+02</sup>]. <sup>TCO<sub>2</sub></sup> [CSL<sup>+07</sup>]. <sup>a</sup> [BBDL98, SMZ<sup>+08</sup>]. <sup>α</sup> [BSW<sup>+13</sup>, JKB04]. <sup>≈</sup> [CDJM04, MFG<sup>+04</sup>, MF09, MAA<sup>+04</sup>, MAA<sup>+05</sup>, NGM<sup>+05</sup>]. <sup>β</sup> [Abr19, BSW<sup>+13</sup>]. <sup>C</sup> [BDNS03]. <sup>:</sup> [MBL<sup>+15</sup>]. <sup>Δ</sup> [TLP<sup>+12</sup>, ZNM<sup>+02</sup>, BCWT00, BW99a, CHL<sup>+15</sup>, CSL<sup>+07</sup>, CHG15, CMVS<sup>+10</sup>, DKN<sup>+97</sup>, DBMI17, GOH<sup>+15</sup>, HFK<sup>+02</sup>, JHHK14, KW00, MBW<sup>+08</sup>, MSJS08, MTMK<sup>+13</sup>, QW15, RTB02, RLP<sup>+98</sup>, SRFR07, SBN<sup>+15</sup>, TA01, WMH<sup>+07</sup>, WKM<sup>+07a</sup>]. <sup>f</sup> [ALT<sup>+13</sup>, CFT<sup>+04</sup>, GG93, SMS<sup>+07</sup>, WO99, WTL<sup>+06</sup>]. <sup>μ</sup> [RMCAR06, SBE<sup>+99</sup>]. <sup>p</sup> [BTR95, DHW98, ECD<sup>+17</sup>, Hei02, IIM02, PNS<sup>+09</sup>, SMP<sup>+15</sup>, TSS<sup>+02</sup>, YKS<sup>+19</sup>, ZNM<sup>+02</sup>]. <sup>t</sup> [WH98]. <sup>ε</sup> [MW05a].

**-based** [SIA<sup>+05</sup>]. **-D** [CBF01, Cok16, DLR<sup>+01</sup>, DP99, EB01, FC01, JCF<sup>+06a</sup>, JCF<sup>+06b</sup>, JDL<sup>+12</sup>, SGB<sup>+02</sup>, TLMT97, WTSP07]. **-diversity** [BSW<sup>+13</sup>]. **-hexachlorocyclohexane** [JKB04]. **-phase** [WH98]. **-plane** [Abr19]. **-ratio** [GG93, WO99]. **-release** [BBL<sup>+13</sup>]. **-system** [CBB<sup>+95</sup>].

**/Ar** [CJM<sup>+22</sup>, ECD<sup>+17</sup>, TLP<sup>+12</sup>]. **/Bermuda** [CRR01]. **/N** [CJM<sup>+22</sup>, WWW<sup>+02</sup>].

**0.5'** [NGM<sup>+</sup>05]. **0°** [FDM<sup>+</sup>97].

**1** [Ano98m, Ano99m, GBH<sup>+</sup>01, GSF<sup>+</sup>19, MDI<sup>+</sup>12, OGC09, OCKA<sup>+</sup>11, PF04a, SVR<sup>+</sup>00, VAK<sup>+</sup>09, WSFB02]. **1/6°** [TBBM03]. **10-year** [NLDJ14]. **107C** [Mun16]. **109** [ENM<sup>+</sup>16]. **1093** [GPK02]. **10°** [CM99b, PRMM<sup>+</sup>17, SHD<sup>+</sup>96]. **11** [FCP99]. **110°** [ADE22, BPD<sup>+</sup>11, BHT22, LHD<sup>+</sup>22, OB22a, PWD<sup>+</sup>11, PPB<sup>+</sup>22, SSJ<sup>+</sup>22, SB22]. **116** [NGM<sup>+</sup>05]. **118** [ULTL16]. **120°** [SvdMC<sup>+</sup>16]. **123°** [PDB<sup>+</sup>20]. **128°** [WMP<sup>+</sup>11]. **12°** [LKC96]. **130°** [OVKN11]. **132** [CM16a]. **135** [DTWW21]. **140°** [BK96a, BPD<sup>+</sup>11, CGR<sup>+</sup>96, FDM<sup>+</sup>97, IF95, KF95, KRB95, LKC96, LBB95, LFHM97, LKK<sup>+</sup>95, MGNB96, NTH10, PH96, RDG<sup>+</sup>95, SLT<sup>+</sup>11, VSSN96, WZW<sup>+</sup>95, PWD<sup>+</sup>11]. **144°** [WDG<sup>+</sup>02]. **14°** [GCB04]. **150°** [BRW00, DNA97, HSK<sup>+</sup>00, NPBS00, NKK<sup>+</sup>00, PNH<sup>+</sup>00, SGW<sup>+</sup>00, TCG00, WvdEM00]. **152°** [NPF<sup>+</sup>09]. **153** [RDC<sup>+</sup>18a]. **155°** [INTS02, TNIW02]. **165°** [DNA97]. **16°** [MGK<sup>+</sup>17]. **16S** [MGT16, XGL15]. **170** [HiII<sup>+</sup>20]. **170°** [AF01, BL01b, BBA<sup>+</sup>01, BBD<sup>+</sup>03, CWTJ03, DURP03, HFM<sup>+</sup>00, ILWH03, LSB<sup>+</sup>02, MAB<sup>+</sup>01, MGC<sup>+</sup>01, SMCA01]. **175°** [IHI<sup>+</sup>97]. **17°** [MGK<sup>+</sup>17]. **180** [RTI<sup>+</sup>16]. **180°** [GLLC04]. **1816** [GIPLL<sup>+</sup>14]. **1888** [DHST13]. **18°** [KEPZ93]. **1902** [SL06]. **1904** [MMN10]. **1906** [WF13]. **1920** [RMBW07]. **1920s** [Dri09]. **1941** [NCL13]. **195** [ELG<sup>+</sup>22a]. **1960s** [Dri09]. **1970** [BPKJ15]. **1980s** [CBK<sup>+</sup>07, KFS<sup>+</sup>10]. **1986** [Duc93]. **1987** [BSMV03]. **1989** [JPSB93]. **1990** [RA98]. **1990s** [AGL<sup>+</sup>19, Dri09, KDU<sup>+</sup>10, KFS<sup>+</sup>10]. **1991** [Dan95]. **1992** [Dan95, IF95, LCR<sup>+</sup>96, RD97]. **1993** [HBK<sup>+</sup>98, SCC98]. **1994** [ERR97, RIBW99]. **1994/1995** [And00]. **1995** [BLB<sup>+</sup>99, CD99, CDA98, DCM<sup>+</sup>99, DMS<sup>+</sup>98, DOB<sup>+</sup>01, GGH98, HKM00, KRF01, LSU04, LCL<sup>+</sup>98, SW01, SMB02]. **1995/1996** [HSK<sup>+</sup>00, KNK15, NKK<sup>+</sup>00, PNH<sup>+</sup>00, TCG00]. **1995/96** [GCR<sup>+</sup>02, GGLP02, VGBGPA02]. **1996** [AE02, Bak98, CES98, CHU<sup>+</sup>00, FBL<sup>+</sup>98, FD98, HCWW01, JWS01, KLLO98, MBF<sup>+</sup>98, NPBS00, RS02, RSP<sup>+</sup>98, SIBW01, SGW<sup>+</sup>00, SB98, WPAP01, WvdE00, Yal01, ZSB01]. **1997** [CRD01, DDK<sup>+</sup>00, TBFP04]. **1997/1998** [GCB04, PF04a, PF04b]. **1997/98** [HVWH09, TBFP04]. **1998** [Ano98k, Ano98m, Ano98j, Ano98l, Ano98h, Ano98n, Ano98i, BCI02, DZY<sup>+</sup>01, DTP<sup>+</sup>05, MLG<sup>+</sup>02, TDKA05, WDG<sup>+</sup>02]. **1998/1999** [BW04]. **1999** [Ano99i, Ano99g, Ano99h, Ano99l, Ano99m, Ano99k, Ano99j, LBB<sup>+</sup>06, RWR<sup>+</sup>02, YTF02]. **1999/2000** [HKN<sup>+</sup>04].

**2** [DIM<sup>+</sup>12, EBG<sup>+</sup>15, GSMB01, GSF<sup>+</sup>20, GOC09, HBV19, KVB<sup>+</sup>09, LCvdM<sup>+</sup>16, MGH<sup>+</sup>16, PF04b, SWCB02, SVS<sup>+</sup>20, SBvdL<sup>+</sup>02, VSR<sup>+</sup>00, bsBD<sup>+</sup>20]. **2-component** [BA10]. **2-km-resolution** [DKZP16]. **2.4** [KKT16]. **2000** [Ano00k, Ano00m, Ano00g, Ano00n, BND<sup>+</sup>04, Dem04, EHK09, HWN<sup>+</sup>04, OTH05, RBP<sup>+</sup>05, SKW<sup>+</sup>04, WGB<sup>+</sup>04, vAvVV<sup>+</sup>03]. **2000s** [Dri09, KDU<sup>+</sup>10, KFS<sup>+</sup>10]. **2001** [Ano97b, ARW<sup>+</sup>04, CCG04, KHB<sup>+</sup>04, OE06, VKGQ<sup>+</sup>09]. **2001-PUCK** [VKGQ<sup>+</sup>09]. **2001/2002** [NTH10]. **2002** [Gra09]. **2003/2004** [HHX<sup>+</sup>10].

**2004** [Ano11b, CCM15, GGF<sup>+08</sup>, PC08, SAM<sup>+13</sup>, SBK08]. **2004/2005** [FWP<sup>+07</sup>, LSS<sup>+07</sup>, SLMP07]. **2005** [CTBNL08, ZHB<sup>+07</sup>]. **2006** [BPRS11, GR10, JKK<sup>+10</sup>, SKH10b, WRBS10]. **2007** [LTW<sup>+11</sup>, SMH<sup>+11</sup>, WSL<sup>+11</sup>]. **2009-410** [RAB<sup>+17</sup>]. **2010** [CSG<sup>+13</sup>, GW15, MHFM15, OM14, TWA<sup>+12</sup>]. **2010/2011** [MHFM15]. **2011** [MHFM15]. **2012** [HSR<sup>+16</sup>]. **2012/2013** [KNK15]. **2013** [ACG<sup>+17</sup>, DSW20]. **2014** [BSN18]. **2015** [KOLA<sup>+18</sup>, KGdC<sup>+18</sup>]. **2016** [Ano19l, MDSA19, VPK<sup>+19</sup>]. **2017** [KAM<sup>+20</sup>]. **2021** [Ano21a, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m]. **2022** [Ano22a, Ano22b, Ano22n, Ano22p, Ano22r, Ano22q, Ano22s, Ano22t, Ano22u, Ano22v, Ano22o, Ano22w]. **2023** [Ano23a, Ano23b, Ano23c, Ano23j, Ano23k, Ano23l]. **2024** [Ano24a, Ano24e, Ano24f]. **20°** [CMT93, DMJ93, DJR<sup>+01</sup>, GRWW01, GG93, LDFS93, MH93, MF09, Pfa93, RWL<sup>+93</sup>, Yu03, ZSB01]. **20'** [MWB<sup>+09</sup>]. **20th** [PL04, VNBW18]. **21°** [BZvHH00, HM93, ZBvH<sup>+00</sup>]. **24-years** [LBJ<sup>+13</sup>]. **24.5°** [MBW<sup>+03</sup>]. **25-year** [AAL<sup>+17</sup>]. **26.5°** [LBB11, MJG<sup>+13</sup>]. **265** [WPB<sup>+16</sup>]. **26°** [Bae11, MWB<sup>+09</sup>]. **29** [Ano00k]. **29°** [AMN<sup>+02a</sup>]. **2°** [AAB<sup>+97</sup>].

**3** [BPRS11, CPM<sup>+18</sup>, FdBGP11, SGP<sup>+11</sup>, VvdLS11]. **3-yr** [SHM<sup>+20</sup>]. **3.5** [HB03]. **30-80°** [GR10, SLS<sup>+10</sup>, VKM<sup>+10</sup>]. **30-year** [BSR08]. **3000** [OvdRvA<sup>+22</sup>]. **30°** [GHIM04, HMW00, JFK<sup>+10</sup>, KEPZ93, MHG<sup>+04</sup>, NMR10, PMJW10, SKH10b, WGMW10, WRBS10]. **30'** [CWB02]. **323** [DF16, LSOM16, OM16, OTN16]. **33°** [CM99b]. **34°** [BZvHH00, HM93, PDB<sup>+20</sup>]. **36°** [CDJM04, MFG<sup>+04</sup>, MAA<sup>+04</sup>, MAA<sup>+05</sup>]. **37°** [DJR<sup>+01</sup>, JWS01, ZSB01]. **39-year** [OAH<sup>+16</sup>]. **39°** [TCJ<sup>+11</sup>].

**4** [Kyt02b, Kyt02c, PPRL02]. **40-year** [BA02]. **40°** [MWB<sup>+09</sup>]. **40'** [MWB<sup>+09</sup>]. **42** [Ano95b, Ano96f]. **43** [Ano96g, Ano97b]. **44** [Ano97c]. **44°** [INTS02, TNIW02]. **467** [MP94]. **47** [CC00, WJD<sup>+00a</sup>]. **47°** [CMT93, DMJ93, LDFS93, MH93, MHA<sup>+01</sup>, PDA<sup>+20</sup>, Pfa93]. **48°** [ARB<sup>+13</sup>, BZvHH00, HM93, ZBvH<sup>+00</sup>]. **49** [LLM<sup>+03</sup>, MCS<sup>+03</sup>, PNLFS03, RVJG<sup>+05</sup>, SMGB03]. **49°** [LAJP13]. **4MS** [FSP<sup>+16</sup>, COS<sup>+16</sup>, MPM<sup>+16</sup>].

**50** [EWA<sup>+03a</sup>, VSGM03a]. **50°** [BKD06, FUGG<sup>+09</sup>, MHA<sup>+01</sup>]. **50'** [MSNL09, MMG98, NLSL09, SFV<sup>+98</sup>]. **51** [MAA<sup>+05</sup>]. **51st** [Ste13]. **52** [AN06, ADGA06, BS06, SSK<sup>+07</sup>]. **52°** [FUGG<sup>+09</sup>]. **54°** [ARB<sup>+13</sup>, CSCP13, CLJ<sup>+13</sup>, KR95, LAJP13, WDG<sup>+02</sup>]. **57.5°** [DJR<sup>+01</sup>]. **57°** [PDA<sup>+20</sup>]. **58.4.2** [KNV<sup>+10</sup>, NMR10]. **59°** [JWS01, ZSB01].

**6** [RSD<sup>+97</sup>, SDB<sup>+97</sup>]. **60°** [RWL<sup>+93</sup>]. **62°** [GCB04, KNK15]. **6500** [KFS<sup>+17</sup>]. **65°** [Bol08]. **66°** [JPM99]. **67°** [KR95]. **6°** [CAÖT04, FG97, TBBM03, VPS97, Yu03].

**70°** [TCJ<sup>+11</sup>]. **71°** [Bol08]. **75°** [BKD06]. **76** [GAL<sup>+20</sup>]. **76°** [OA11]. **78°** [Bol08].

**800-year** [LWL<sup>+16</sup>]. **80°** [DSN<sup>+10</sup>, GR10, JKK<sup>+10</sup>, JFK<sup>+10</sup>, LW10, NMR10, PDT<sup>+10</sup>, RW95, SLS<sup>+10</sup>, TDvdE<sup>+10</sup>, VKM<sup>+10</sup>, WGMW10, WNA<sup>+10</sup>, WRBS10, WvdEP<sup>+10</sup>, PMJW10, SKH10b]. **81°** [BSSK<sup>+08</sup>]. **832** [Ano97c]. **85** [CBF<sup>+16</sup>]. **884B** [KOS<sup>+16</sup>]. **88°** [KR95, RW95]. **89** [RSCFT<sup>+16</sup>]. **8°** [CWB02, SBS<sup>+02</sup>].

**94** [Can06]. **95** [LAF<sup>+02</sup>]. **95-year** [OWW<sup>+12</sup>]. **98** [TBFP04]. **99** [RAF<sup>+14a</sup>]. **9°** [MSNL09, MMG98, NLSL09, SFV<sup>+98</sup>].

**A.** [DVS<sup>+97</sup>, DDAH<sup>+14</sup>, DTP<sup>+05</sup>, TFR<sup>+10</sup>]. **A87** [LZS<sup>+18</sup>]. **abbreviated** [MK19]. **ability** [NCT13]. **aboard** [CP22, RSD<sup>+97</sup>]. **above** [Che02, SHM<sup>+07</sup>]. **abrupt** [WCJ<sup>+11</sup>]. **absence** [LBSB<sup>+17</sup>]. **absolute** [TSDG13]. **Absorption** [FCG18, AHGCNM<sup>+04</sup>, ASF<sup>+12</sup>, DNA97, MTBB00, MNSMN<sup>+04</sup>]. **Abundance** [BRCFP23, DTWF17, DCM<sup>+99</sup>, DMC<sup>+01</sup>, DC06, GRWW01, GGDF08, GFS99, JGM09, LLS<sup>+19</sup>, MMY<sup>+20</sup>, MDTS11a, OT10, PGPI<sup>+13</sup>, SBB<sup>+11</sup>, SWSL14, SB05, VSS<sup>+93</sup>, YBC<sup>+17</sup>, APT11, AKK<sup>+14</sup>, ACG<sup>+17</sup>, AGD96, BDR16, BRM18, BEC<sup>+96</sup>, BLB<sup>+11</sup>, BFA<sup>+08</sup>, BDL<sup>+14</sup>, BPM18, BSSK<sup>+08</sup>, BPPJ15, BCB<sup>+18</sup>, BH97, BBB<sup>+07</sup>, BHJ<sup>+14</sup>, BCB07, BL06, BFS<sup>+17</sup>, BGMH01, BBB<sup>+01</sup>, CTW<sup>+15</sup>, CVF11, ILCCC07, CCK<sup>+16</sup>, CSF<sup>+12</sup>, CBS<sup>+01</sup>, CLH<sup>+00</sup>, CG04, CP02, CPEN08, CRBK03, CDJM04, CRI18, DMS<sup>+10</sup>, DEJ08, DSN<sup>+10</sup>, DGMS96, DB05, DVS<sup>+14</sup>, DPS<sup>+14</sup>, DC08, DSJ<sup>+11</sup>, EHK<sup>+20</sup>, FWZM12, FZW<sup>+13</sup>, GGF<sup>+08</sup>, GGAMV<sup>+23</sup>, GSM<sup>+08</sup>, GGC19, GVD<sup>+97</sup>, GCB04, GWP<sup>+98b</sup>, HCWW01, HZL<sup>+12</sup>, HS07, HRM<sup>+11</sup>, JVDH08, JKK<sup>+10</sup>, JSSW14, KBB07, KOM17, KG20, KRW03, KMM<sup>+08</sup>, KL03, KMOM19, KSM<sup>+11</sup>, KRLH14, LCD<sup>+24</sup>, LAMS<sup>+01</sup>, LPA<sup>+17</sup>, LAB<sup>+17</sup>, LPK<sup>+17</sup>, LWSA08, LWW<sup>+15</sup>, LDGH16]. **abundance** [LW10, MAST05, MC18b, MCH22, MO96, MLBB14, MBM<sup>+00</sup>, MQD06, MHG<sup>+17</sup>, NCR<sup>+08</sup>, NB10, NCSB<sup>+98</sup>, OM98, OMG<sup>+11</sup>, OB22a, PLD<sup>+17</sup>, PNH<sup>+00</sup>, PTD<sup>+14</sup>, PDA<sup>+17</sup>, PLA<sup>+17</sup>, PLPS98, PHKW10, QNL<sup>+16</sup>, QLU09, RCW<sup>+15</sup>, RRS<sup>+98</sup>, RCM<sup>+17</sup>, RRK<sup>+20</sup>, RNB07, SMA<sup>+17</sup>, SRS<sup>+20</sup>, SVJRSON04, SVAGRCS04, SWL<sup>+18</sup>, SSMC10, SCD14, SBE<sup>+07</sup>, SBP13, SHM<sup>+20</sup>, SCB<sup>+16</sup>, SNFK20, SNW08, SBS<sup>+08</sup>, TB98, TDvdE<sup>+10</sup>, TRB98, TDKA05, VBM<sup>+19</sup>, VALM17, VHC<sup>+17</sup>, WH01a, WSE<sup>+16</sup>, WvdEM00, WLR<sup>+00</sup>, YSMW05, YSHS08, ZFP<sup>+16</sup>, ZSZ<sup>+19</sup>, ZHB<sup>+07</sup>]. **Abundances** [LKC96, BCKH07, BT03, DBR22, DLB02, DFMG01, JBS<sup>+98</sup>, Kyt02b, MBHN02, SA15b, WCSA<sup>+16</sup>, ZZZ<sup>+16</sup>]. **abundant** [DFJ18]. **abyss** [GMB18, KBK<sup>+18</sup>, KRHS20, TRB98]. **Abyssal** [BEM<sup>+15</sup>, DQSF02, FHK18, GMBL10, HLL<sup>+10</sup>, KBG<sup>+10</sup>, Kha18, LBM10, LJB18, MLP<sup>+10</sup>, MZH<sup>+10</sup>, MMD15, PLS<sup>+10</sup>, PDB<sup>+20</sup>, SRDV07, SWBKK10, VT01, AS01a, Ala15, BGS98, BBL<sup>+13</sup>, BS98, BB98, BGB08, BBR<sup>+10</sup>, BPPJ15, Blu01, BBR<sup>+18</sup>,

BCNS15, BCE18, BSCE15, BFB<sup>+18</sup>, CCBL14, CAK15, CMH<sup>+20</sup>, Dau18, DND04, DJ15, DBS98, DGB<sup>+98</sup>, DBBWH20, DBH<sup>+20</sup>, EGMB13, EMG<sup>+15</sup>, EBGCL08, FHR<sup>+11</sup>, FB15, FBBW<sup>+10</sup>, FSM93, Gol15, GC15, GRB<sup>+17</sup>, GARVK04, HSC<sup>+07</sup>, JT07, Jaž15, JSSW14, KPML20, Kam13, Kam15, Kam18, KWPB15, KME18, KGS23, KKVP15, LSST20, LNJ<sup>+00</sup>, LMS15, LdSN<sup>+18</sup>, LBB<sup>+07</sup>, LS18, MA15, Mar18, MMWM00, MCD<sup>+09</sup>, MMM<sup>+00</sup>, PWCL98, PGF<sup>+09</sup>, PDY20, PRSS23, RJT11, RLB18b, RKB18, RCCP13, RJP18, SS13a, San13, SA18, SW09, SA15b, SBB<sup>+11</sup>, SBE<sup>+07</sup>, SM15]. **abyssal** [SRAL<sup>+17</sup>, SHD<sup>+96</sup>, SBD<sup>+97</sup>, SBG<sup>+98</sup>, SD98, SHM<sup>+20</sup>, SHR20, SPB<sup>+10</sup>, SC15, TWG00, WP00, WCB98, WZB<sup>+14</sup>, ZV13]. **abyssalis** [SM15]. **AbyssBox** [SRS<sup>+15</sup>]. **Abyssorchomene** [DHST13]. **abyssorum** [AM15, DHST13]. **Acanthocope** [MFB18]. **Acantholaimus** [LdSN<sup>+18</sup>]. **ACC** [VPS97, YLD09]. **accelerated** [RFF<sup>+02</sup>]. **acceleration** [GBC<sup>+13</sup>]. **accommodate** [HM14]. **according** [VSV<sup>+97</sup>]. **account** [BSCE15]. **accounts** [GMR<sup>+05</sup>, MK19]. **Accumulation** [CZP<sup>+08</sup>, CAFK03a, MHK<sup>+03</sup>, ZEGB97, ASH<sup>+11</sup>, BMD<sup>+17</sup>, BAD<sup>+97</sup>, BD94, DPLB94, DeM02, DTP<sup>+05</sup>, HTD00, HFM<sup>+02</sup>, IMP<sup>+02</sup>, bLHsL<sup>+13</sup>, MISC<sup>+02</sup>, MLG<sup>+04</sup>, OMY<sup>+03</sup>, OHT12, RV00, SBH<sup>+02</sup>, TDKA05, ZCP<sup>+08</sup>]. **accuracy** [AGHS04]. **acid** [BTV<sup>+11</sup>, BBB<sup>+11b</sup>, CHM<sup>+17</sup>, CSW<sup>+17</sup>, FBCN00, GRSW00, KWPB15, KME18, KYKJ16, MSW<sup>+13</sup>, MAB<sup>+01</sup>, MKKF18, NCE<sup>+23</sup>, ÖCB<sup>+04</sup>, PPN15, PGFP<sup>+08</sup>, RKM23a, RN96, TYBY06, VVTM97, VCSM09, WPFB11, WPSB11, WPB11]. **acidification** [BJF16, BSN<sup>+15</sup>, GGCM17, HWK<sup>+14</sup>, JFM<sup>+17</sup>, KGdC<sup>+18</sup>, PTM<sup>+16</sup>, PCH<sup>+22</sup>, RBJW16, TPW<sup>+16</sup>, TTL<sup>+16</sup>, VHM17]. **acids** [EPPR09, GGO<sup>+14</sup>, GK02, Har94, ILWH03, KCZ<sup>+19</sup>, Kha18, PRC<sup>+09</sup>, SNIT02, SJSI00, WWH<sup>+10</sup>]. **Acknowledgment** [Ano09c]. **acorn** [APT11, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>]. **Acoustic** [BCT21, BWWG98, BOH<sup>+04</sup>, FWC<sup>+12</sup>, GR10, JKK<sup>+10</sup>, KOO<sup>+24</sup>, KSB<sup>+03</sup>, MSM10, SCPP05, WH01a, ADBW16, ATLD<sup>+20</sup>, BH03, BdBJ<sup>+14</sup>, BSX<sup>+15</sup>, BWS<sup>+98</sup>, BMM<sup>+99</sup>, BTLC98, CDM<sup>+16</sup>, CLB13, DWG<sup>+15</sup>, DTWW17, DO19, DTWW21, DME<sup>+18</sup>, GWP<sup>+98b</sup>, GWP<sup>+98a</sup>, HVBO08, JOD98, KGE<sup>+04</sup>, LWSA08, LDHO<sup>+14</sup>, LCG03, MOT98, MS18, MWB95, OMG<sup>+11</sup>, RDW<sup>+12</sup>, SC10, SWC<sup>+02</sup>, SCGB18, TSSR20, TBPS22, UGSK<sup>+20</sup>, UW99, WGR<sup>+95</sup>, WWB04, WCS07]. **Acoustical** [WMS<sup>+96</sup>, Ano97b]. **Acoustically** [LWA<sup>+04</sup>, PMGH01, ASFI02]. **Acoustically-inferred** [LWA<sup>+04</sup>]. **acoustics** [GSPT13, MGJ<sup>+18</sup>, ŠH11b]. **acquire** [MCH<sup>+13</sup>]. **across** [ADGA01, BTR20, BN04, BBR<sup>+18</sup>, BSRB17, BG09a, BLW<sup>+09</sup>, CG21, CWS05, CL09, Cra97, CHSVB<sup>+19</sup>, DSB<sup>+18</sup>, DHM<sup>+22</sup>, DKGT04, EZB<sup>+20</sup>, EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, ECM<sup>+06</sup>, FWC<sup>+12</sup>, GPCT23, HWS<sup>+07</sup>, HLL<sup>+09</sup>, HWJ20, HLM<sup>+01</sup>, JM15, KBB07, KFHR05, KMK<sup>+20</sup>, KWW<sup>+12</sup>, KHL<sup>+17</sup>, LEP14, MBW<sup>+03</sup>, MY99, MAB<sup>+01</sup>, MWF<sup>+19</sup>, Mun14, Mun16, MKW11, OvdRvA<sup>+22</sup>, Pap05a, PJC19, PBO<sup>+11</sup>, PRMM<sup>+17</sup>, RGTv97, RJB<sup>+04</sup>, RGL<sup>+06a</sup>, SRHP23, SM00, SWK<sup>+23</sup>, SMS01, SLB18, SWC09, SHD<sup>+96</sup>, SLH<sup>+00</sup>, SBA<sup>+20</sup>, SKKM20, SBS<sup>+08</sup>, TSP<sup>+18</sup>, THJ<sup>+05</sup>, TNT<sup>+15</sup>, VCSM09,

WJ02, Wir94, WOU06, WSB<sup>+09</sup>, YSMW05, vdLCS<sup>+11</sup>]. **across-shelf** [RGL<sup>+06a</sup>]. **Actiniaria** [SS13a, AD08, RLG07, SSK<sup>+23</sup>]. **Actiniidae** [MBD<sup>+17</sup>]. **Actinopoda** [PPC<sup>+07</sup>]. **actinopterygian** [DLB<sup>+11</sup>]. **Actionable** [RHD<sup>+18</sup>]. **Active** [AML01, MMM<sup>+13</sup>, ACBV<sup>+18</sup>, CPW<sup>+18</sup>, DDB<sup>+17</sup>, DNA97, FC15, GSPT13, GHD<sup>+18</sup>, HBCG14, HS93, HTT15, LVP13, LMKL09, LSA14, LCE<sup>+23</sup>, MWK<sup>+18</sup>, MZR<sup>+95</sup>, OSGS00, OCG<sup>+09</sup>, RVC<sup>+13b</sup>, RAL04, RCG18, RKM<sup>+23b</sup>, SSHB03, SSV02, SO98]. **active-passive** [HS93]. **activities** [Bec97, BGG<sup>+09</sup>, DCK01, JZ01, MORB<sup>+15</sup>, NKA<sup>+11</sup>, PSP<sup>+09</sup>, SLS<sup>+09</sup>, SLD<sup>+13</sup>, WBM96, ZDA<sup>+16</sup>]. **Activity** [NS93, BMRP02, BFL00, BSP00, BHSJ16, BVB<sup>+14b</sup>, BHS<sup>+10</sup>, BEJS93, CRJB08, CDJM04, DKT<sup>+01</sup>, DC08, DBDT03, DKGT04, ERR97, FC15, FD98, FMH<sup>+02</sup>, GQ09, GBVG<sup>+02</sup>, HMGD17, HMLS<sup>+06</sup>, Hol96, HD02, HLM<sup>+01</sup>, IAC<sup>+03</sup>, JBS<sup>+10</sup>, KN97, KSS00a, LWM<sup>+09</sup>, LWL<sup>+16</sup>, LRL<sup>+22</sup>, LNDH<sup>+17</sup>, MGS<sup>+10</sup>, MMSS14, MPTW11, OJK<sup>+10</sup>, PPR<sup>+20a</sup>, PJ99, RSR<sup>+19</sup>, SMGB02, SMGB03, SMB03, TB97, TGA<sup>+09</sup>, TOSH08, ULTL16, ZJA16, ZHB<sup>+07</sup>]. **acuminata** [VSGGPR14]. **acute** [TPW<sup>+16</sup>]. **acutorostrata** [LAP<sup>+17</sup>]. **acutus** [GIPL<sup>+14</sup>, HZL94, PTWM12]. **Adamussium** [SL06]. **Adaptation** [BLM<sup>+14</sup>, AH17, LCT<sup>+07b</sup>, PKZ93, RJP18, XZW<sup>+19</sup>]. **adaptations** [STB<sup>+17</sup>, SBM<sup>+13</sup>]. **Adapted** [VAMPR<sup>+17</sup>, BCN<sup>+17</sup>, PFW<sup>+09</sup>]. **adapting** [RHD<sup>+18</sup>]. **adaptive** [VPdP06]. **ADCP** [FK98, HVBO08, KF01, SMPSG<sup>+04</sup>, YXC<sup>+19</sup>]. **added** [BMF<sup>+01</sup>]. **addition** [CWTJ03, FSK<sup>+05</sup>, Had11, HNK<sup>+12</sup>, KTP<sup>+05b</sup>, KTB<sup>+05</sup>, LAW<sup>+05</sup>, LSS<sup>+11</sup>, LB98b, PST<sup>+05</sup>, PZK<sup>+05</sup>, SVD97, WN01]. **additions** [BTV<sup>+11</sup>, Thi05]. **adeliae** [CHPF10, NCR<sup>+08</sup>]. **Adélie** [WLR<sup>+00</sup>, CHU<sup>+00</sup>, BHB<sup>+07</sup>, CHPF10, EBG<sup>+11</sup>, ERPFF11, NCR<sup>+08</sup>, PCL22, WLR<sup>+00</sup>, WB03]. **Aden** [GOH<sup>+15</sup>]. **adjacent** [Ala15, Bea09, BPPJ15, BCE18, BMK09, CKFC18, CAK15, GC15, HSS<sup>+12</sup>, JT07, JLY<sup>+16</sup>, Kam15, KWPB15, KTF07, KKVP15, MN10, MA15, MA18a, MA18b, Mar18, MNR<sup>+11</sup>, NMC<sup>+07</sup>, NEN<sup>+07</sup>, OPV11, PWITH15, PW15, RLB<sup>+18a</sup>, SA18, SA15b, SKS<sup>+23</sup>, SNS<sup>+07</sup>, SC15, TAMTC<sup>+13</sup>, TLR<sup>+00</sup>, VVV04b, VD98, VT01, WKLM15, YNK07, YMMC11, ZBC<sup>+13</sup>]. **adjoining** [HHNK<sup>+04</sup>]. **adjoint** [BMRTL93, SOW01]. **adjustment** [DGR02, PN93, WGB01]. **Admiralty** [NKA<sup>+11</sup>, SJD<sup>+11</sup>]. **adopted** [dLWFB08]. **Adriatic** [AAG19, AGM<sup>+93</sup>, KMG<sup>+20</sup>, KLC<sup>+19</sup>, TŠŠ<sup>+19</sup>]. **Adult** [SGI<sup>+19</sup>, CRJ<sup>+08</sup>]. **Adult-mediated** [SGI<sup>+19</sup>]. **Advanced** [MV23, RFF<sup>+02</sup>, PMLM<sup>+02</sup>]. **Advances** [CHS17, HAE<sup>+15</sup>, JFC18, ELP13, MDS<sup>+16</sup>, Pal19, YHC<sup>+15</sup>]. **Advancing** [RBG18]. **Advection** [KCA05, MMHB98, SNFK20, AVS<sup>+20</sup>, BMT20, CAFK03b, CK10, HCG<sup>+01</sup>, SFG98, SHB14, TLW<sup>+94</sup>]. **advective** [DGS<sup>+05</sup>, HSR<sup>+23</sup>, WPLN96]. **Aegean** [DFA<sup>+20</sup>, PVK<sup>+20</sup>, STD<sup>+20</sup>, TGLN93, TKP<sup>+20</sup>, Uys06, VPA<sup>+20</sup>]. **aeglefinus** [BD06]. **aeolian** [VOK<sup>+24</sup>]. **aequalis** [FARLR<sup>+13</sup>]. **Aequorea** [MCCM<sup>+98</sup>]. **Aerial** [BBS14, MRE<sup>+11</sup>, KI18, LPK<sup>+17</sup>, PLD<sup>+17</sup>]. **Aerobic**

[MF09, TŠŠ<sup>+</sup>19, DW15b, SBG<sup>+</sup>98, WCB98]. **Aerosol**  
 [LCW<sup>+</sup>07, BJB<sup>+</sup>06, MHA<sup>+</sup>15, PLL<sup>+</sup>06, bsBD<sup>+</sup>20]. **Aerosols**  
 [TP99, HMA20, SML15, Ste04]. **AESOPS** [SA03, SAM<sup>+</sup>00]. **aff** [GW98].  
**affect** [BBR<sup>+</sup>18, RLD<sup>+</sup>15, RCKCK07, TSB<sup>+</sup>14]. **affected**  
 [And00, GGM<sup>+</sup>16, MMWM00, PFAZL09, RNR20, SBB<sup>+</sup>05, ZJA16].  
**affecting** [AST<sup>+</sup>05, EGL<sup>+</sup>16, PSUH<sup>+</sup>16, SSG14]. **affinis** [BBB<sup>+</sup>01, HC13].  
**affinities** [WAP<sup>+</sup>18, ZRC<sup>+</sup>11]. **Africa**  
 [RLB03, AJP<sup>+</sup>22, HSR<sup>+</sup>23, HRSJ23, LTF<sup>+</sup>19, LPPK14, NFD<sup>+</sup>02, RPB02,  
 RLH<sup>+</sup>03, SLC<sup>+</sup>15, WB09, WC07a, YLBdR03]. **African**  
 [BMGC09, SV09, JRG<sup>+</sup>22, KHGL<sup>+</sup>02, MCD<sup>+</sup>09]. **Africanacetus** [IATK17].  
**after** [BSJ13, Blu01, BJSH14, Bor01, EBS99, GBB<sup>+</sup>17, GSB<sup>+</sup>03, GBD<sup>+</sup>11,  
 HML99, Joy16, JBÖ<sup>+</sup>16, LMH<sup>+</sup>18, PJ99, SEM16, SBE<sup>+</sup>99, SDLZ13,  
 TBEW99, VKGP<sup>+</sup>11, YNG<sup>+</sup>16]. **again** [IDSM04]. **against** [PST<sup>+</sup>05]. **Age**  
 [LZL<sup>+</sup>22, VFFM13, WZC<sup>+</sup>19, CBSS02, CCC<sup>+</sup>23, CP02, CRD<sup>+</sup>17, DMH19,  
 EWF<sup>+</sup>18, FHAH16, FNS20, GEP<sup>+</sup>16, HJS<sup>+</sup>10, HSBT19, HSFN13, KM15,  
 MMS<sup>+</sup>19, MO96, MZH16, SHM13, SHPM14, Vri13, WCS07]. **age-0**  
 [CBSS02, CCC<sup>+</sup>23, DMH19, FHAH16, GEP<sup>+</sup>16, HSFN13, MMS<sup>+</sup>19, MZH16,  
 SHM13, SHPM14, WCS07]. **age-1** [SHM13]. **age-class** [EWF<sup>+</sup>18].  
**age-composition** [MO96]. **aged** [KFW01]. **agent** [BSSE16]. **agents**  
 [KSDE16, TD16]. **ages** [DNG<sup>+</sup>12, KFTE14, PFDD16]. **agglutinated**  
 [SSSN19]. **aggregate** [PLPS98, SBHS20]. **aggregated** [BS98]. **aggregates**  
 [AZYT16, ESA<sup>+</sup>09, LPA<sup>+</sup>95, dJMTGG11, SCPC98, SBG<sup>+</sup>98, WCB98].  
**aggregating** [LMLC<sup>+</sup>17, OLP<sup>+</sup>20]. **Aggregation** [AJ95, BS01, CCH95,  
 PA95, ZD04, AHML95, AGPR95, BRG17, EB01, REWH11]. **aggregations**  
 [BPR<sup>+</sup>10, LWSA08, LWAS08, MGGTM19, RBP<sup>+</sup>05, ZPG14]. **Agriculture**  
 [BH19b]. **Agulhas** [AJP<sup>+</sup>22, BRL<sup>+</sup>03, DKdS<sup>+</sup>03, GNG<sup>+</sup>22, HSR<sup>+</sup>23,  
 HRSJ23, HNCW23, JRJ<sup>+</sup>22, JKJ<sup>+</sup>22, LBR03, MRRG23, MPH<sup>+</sup>22, NGS<sup>+</sup>15,  
 NPA<sup>+</sup>22, PMG<sup>+</sup>22, SBZ<sup>+</sup>03, TBBM03, WW23, vAvVV<sup>+</sup>03]. **aid** [BHS<sup>+</sup>17].  
**Air**  
 [ALWW04, DOBH02, JKB04, KOLA<sup>+</sup>18, Zül05, ÁRR02, AKBD13, CMB02,  
 DLF<sup>+</sup>09b, FWG<sup>+</sup>97, FUGG<sup>+</sup>09, GLCP12, GCS<sup>+</sup>12, HLS<sup>+</sup>11, HTS<sup>+</sup>09,  
 ITMG18, KRF01, KFJ<sup>+</sup>05, KIS02, LRFK99, MLS01, MLVM02, OSG<sup>+</sup>13,  
 Pap05a, Sco05, SDCH99, SSC<sup>+</sup>23, TSS<sup>+</sup>02, TSW<sup>+</sup>09, YZZ<sup>+</sup>16, YZZ<sup>+</sup>19].  
**air-sea** [SSC<sup>+</sup>23]. **Airborne** [HWS<sup>+</sup>98a, CMV<sup>+</sup>20, THV<sup>+</sup>99, YAS<sup>+</sup>93].  
**Akademik** [CP22, Ste13]. **Akashiwo** [OM14]. **Akutan** [FBB<sup>+</sup>13]. **al**  
 [BJF16, BMM<sup>+</sup>99, GAL<sup>+</sup>20, PTMH16, KMSM11, MV99, MHFM15, SBD05,  
 VM01]. **ALACE** [CDDC03]. **alalunga** [WAN<sup>+</sup>15, ZKSS06]. **Alan** [Ano19].  
**Alarcón** [TMC04]. **Alaska** [CM16a, DB16, MD17, ALHP18, ARWM13,  
 AISR<sup>+</sup>16, ABC<sup>+</sup>05, BC05, BOHW22, Blo02, BCB<sup>+</sup>18, BZMC20, BMB<sup>+</sup>18,  
 BT04, BWOR22, Cam18, CWS05, CM16b, CP05, CHH19, Cra05, CBPT05,  
 CBA<sup>+</sup>05, DMFD19, DMFB19, DHM<sup>+</sup>22, DTWW17, DO19, DTWW21,  
 DMH19, DBMI17, DHS<sup>+</sup>09, DM16b, DSC<sup>+</sup>19, FME<sup>+</sup>09, GS06a, GSC<sup>+</sup>19,  
 GBS<sup>+</sup>22, GDAMS19, GKR<sup>+</sup>18, HMGD17, HHD<sup>+</sup>09, HLC<sup>+</sup>16, HCG<sup>+</sup>09,  
 HPH<sup>+</sup>16, HSC<sup>+</sup>19, HDJP05, HNB<sup>+</sup>13, JWO<sup>+</sup>09, JMSW05, KAI21, Kli09,



KMOM19, LWO<sup>+09</sup>, LSC05, LCH<sup>+09</sup>, LC16, LCS16, LB18, LDGH16, LBD<sup>+22</sup>, LSWH07, MMS<sup>+19</sup>, MPC99, MHTZ19, MHPS19, MC18b, MCH22, MD14, MHSV18, MOA<sup>+18</sup>, MSK<sup>+19</sup>, MBC<sup>+09b</sup>, MZH16, OMS06, OMAA18, OBH<sup>+19</sup>, PHH<sup>+16</sup>, PWH05, PSZ<sup>+19</sup>, PDC<sup>+21</sup>, RHD<sup>+18</sup>, RDSA<sup>+21</sup>, Roy05, SCD14, SHB14, SDB<sup>+19</sup>, SMBL19, SCB<sup>+16</sup>, SRN02, SBC<sup>+16</sup>, SGM<sup>+14</sup>, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, SMB<sup>+18</sup>, SFB16, SFB19]. **Alaska** [SPP22, TBH09, TMW<sup>+05</sup>, VBM<sup>+19</sup>, WDR05, YSMW05, Zim19, ZDO19]. **Alaskan** [FTT<sup>+17</sup>, BRD<sup>+18</sup>, CBK<sup>+22</sup>, LPM<sup>+19</sup>, OCP18, PAUB19, RHD<sup>+18</sup>, RSC07, RNB07, SBK<sup>+16</sup>, VSM17, ZRG16]. **albacares** [BSN<sup>+15</sup>, DABMAMA04, DWM<sup>+15</sup>, LCW20, WLT20]. **albacore** [DKP<sup>+17</sup>, GDA<sup>+15</sup>, LSNH15, PPYN15, RSB<sup>+17</sup>, SA14, SLHS20, WAN<sup>+15</sup>, ZKSS06]. **albatross** [PWB<sup>+06</sup>, WSP19]. **albatrosses** [KRLH14, SSB<sup>+06</sup>]. **albatrus** [PWB<sup>+06</sup>]. **Alboran** [LGR<sup>+14</sup>, CV17, SABP<sup>+16</sup>]. **Aleutian** [BZMC20, NHCL14, PHH<sup>+16</sup>, RBO07]. **Alexandrium** [ASK<sup>+05</sup>, AKK<sup>+05</sup>, AKM<sup>+05</sup>, AKK<sup>+14</sup>, AJG<sup>+10</sup>, Ano05a, ABS<sup>+14</sup>, BFG<sup>+10</sup>, BKS<sup>+10</sup>, BFK<sup>+14</sup>, BAD<sup>+14</sup>, CTCD05, DPS<sup>+14</sup>, DTP<sup>+05</sup>, EPK<sup>+10</sup>, ESAG10, ER05, GTTKB14, GKQ<sup>+05</sup>, KCMA05, KCA05, KTP05a, LLK05, LTH05, MPH<sup>+05</sup>, MLH14, MTK05, MAST05, MALT05, MTK<sup>+14</sup>, MBC<sup>+14</sup>, PTD<sup>+14</sup>, PHK<sup>+14</sup>, PAM<sup>+14</sup>, PKA05, SKM14a, SMSA05, TFR<sup>+10</sup>, TBT05, TPT05, TMTR14, TB05, TDKA05, VCM<sup>+14</sup>]. **Alexandrium-imposed** [LTH05]. **algae** [BMS<sup>+18</sup>, BMR<sup>+14</sup>, EWBW99, Gra09, RPZ<sup>+14</sup>, Ste10]. **algae-degrading** [RPZ<sup>+14</sup>]. **Algal** [AHHCR23, CCBL14, RVS11, BBL14, BSG<sup>+02</sup>, DB97a, FMS08, GSMB01, GLW<sup>+97</sup>, Gra09, PLGCL09, RBMY14, RCF<sup>+16</sup>, SM96a, SLT<sup>+14</sup>, SMLS02, TRWB99]. **Algerian** [IFFGL<sup>+04</sup>]. **algorithm** [PW15]. **Algorithms** [COJ<sup>+09</sup>, BMML06, CC15, GG95, KKD06, LMvDA16, PG18, RD97, WPAP01]. **Alicella** [JLL<sup>+13</sup>]. **Alicellidae** [JLL<sup>+13</sup>]. **Alien** [SAKP<sup>+22</sup>]. **Aliphatic** [MRP<sup>+17</sup>, HTPM14, ULH<sup>+21</sup>]. **alissae** [CP18a]. **alkalic** [SWB<sup>+18</sup>]. **alkaline** [KN97]. **Alkalinity** [HM06, Che02, CSL<sup>+07</sup>]. **Alkane** [HT17]. **alkenone** [SBR<sup>+97</sup>]. **Alle** [KH02]. **allocation** [Arm06, SHM13, SH16]. **ALOHA** [CBT01, AML01, BGS<sup>+08</sup>, CTGD08, Chi96, DK96, FSL<sup>+01</sup>, KCD<sup>+96</sup>, KBD<sup>+01</sup>, LAMS<sup>+01</sup>, LDWK96, PLT<sup>+13</sup>]. **Alone** [EGMB13]. **along** [ABC<sup>+04</sup>, AMN<sup>+02a</sup>, AAG02, ADE22, AHVB<sup>+17</sup>, BRG<sup>+19</sup>, BJB<sup>+06</sup>, BK96a, BHS<sup>+19</sup>, BFH<sup>+11</sup>, BHSJ16, BFB<sup>+18</sup>, BL01b, BSS15, BBA<sup>+01</sup>, BBD<sup>+03</sup>, BCF<sup>+04</sup>, ÇYB<sup>+18</sup>, CFT<sup>+04</sup>, CGR<sup>+96</sup>, CWTJ03, CRMI18, CMB02, CG04, CAÖT04, DRH<sup>+09</sup>, DONF08, DJR<sup>+01</sup>, Duc08, Dud06, ERPF11, ECS<sup>+17</sup>, FHR<sup>+11</sup>, FCW<sup>+15</sup>, FG97, GRWW01, GPÇ18, GLLC04, GARVK04, HHH<sup>+15</sup>, HBCG14, HZMH07, HFM<sup>+00</sup>, HSY08, ILWH03, JWO<sup>+09</sup>, JLL<sup>+15</sup>, JBS<sup>+10</sup>, JNBJ17, KNK15, KR95, KRB95, KT02, KDG<sup>+97</sup>, LHD<sup>+22</sup>, LWSA08, LWAS08, LOB<sup>+09</sup>, LSM<sup>+06a</sup>, LWSZ13, LBB95, LBE06, LKK<sup>+95</sup>, MS09, MY99, MPZ04, MGNB96, MKS<sup>+20</sup>, MCD<sup>+09</sup>, MLBB14, MRD13, MLG<sup>+04</sup>, NFD<sup>+02</sup>, NTH10, OBC<sup>+14</sup>, OB22a, OB22b, PHM06, PDA<sup>+20</sup>, PH96, PFC19, PSK<sup>+00b</sup>, PHDK11, PGK14, RHL<sup>+22</sup>, RV00, RSB<sup>+15</sup>, RP05, RPZ<sup>+14</sup>, RDC<sup>+18a</sup>, RDC<sup>+18b</sup>, RYT01,

SMCA01, SH99c, SLB18, SWL<sup>+18</sup>, SHB14, SZV<sup>+19</sup>]. **along** [SGB<sup>+08</sup>, SKMDR02, SIFS10, SBK08, SBH<sup>+02</sup>, SSJ<sup>+22</sup>, SKSW02, SSR<sup>+14</sup>, SHY<sup>+08</sup>, SWGPK17, SLP<sup>+17</sup>, SB22, TŠŠ<sup>+19</sup>, TBSP<sup>+18</sup>, TMP<sup>+13</sup>, VKC09, VCDAL14, WLR<sup>+00</sup>, WNA<sup>+10</sup>, WS11, WZB<sup>+14</sup>, Yu03, ZSB01, dChdOF<sup>+18</sup>, vHHH<sup>+11</sup>]. **along-shelf** [VCDAL14]. **along-slope** [CRMI18]. **alongshelf** [SMS01]. **Alongshore** [HZN<sup>+16</sup>]. **alpha** [Car07]. **alpha/beta** [Car07]. **alteration** [TGG<sup>+09</sup>, WOM<sup>+16</sup>]. **Alterations** [DPK<sup>+14</sup>, LLK<sup>+09</sup>]. **altered** [DAA<sup>+20</sup>]. **alternations** [OCT<sup>+19</sup>]. **Alternative** [MMTT<sup>+20</sup>, TCEW07]. **Altimeter** [SJ00, BB03, BSS<sup>+02</sup>, HFKY05, WEB93]. **Altimeter-derived** [SJ00]. **altimetric** [Mit96]. **altimetry** [KFH01, LM13, MMXS02, SMS03, SMPSG<sup>+04</sup>, WH01b, XAY<sup>+11</sup>]. **Aluminium** [VVTM97, MvSdBL11]. **aluminum** [CW97, KAI21, PCDM11]. **alutus** [CM16a, CM16b, SCH<sup>+19b</sup>]. **ALVIN** [RSH10, NKB<sup>+18</sup>]. **Alvinella** [DCA<sup>+98</sup>]. **alvinellid** [PZL<sup>+09</sup>]. **Am** [LLL<sup>+03</sup>, MPS<sup>+03</sup>]. **Amazon** [HMSMK04]. **ambient** [NSvH<sup>+11</sup>, TGRB02, UW99]. **amendments** [JMN<sup>+15</sup>, MAT<sup>+12</sup>, RJM<sup>+15</sup>]. **America** [BMK05, PPM02, SW09]. **American** [RSCFT<sup>+16</sup>, WLM23, DKP<sup>+14</sup>, FBS94, RSCFT<sup>+13</sup>]. **americium** [LGP<sup>+03</sup>]. **Amino** [GK02, VCSM09, GGO<sup>+14</sup>, ILWH03, KCZ<sup>+19</sup>, PRC<sup>+09</sup>, SJSI00]. **Ammodytes** [SLLT10]. **ammonia** [YLD09]. **ammonia-oxidizing** [YLD09]. **ammonium** [BFT<sup>+97</sup>, BCDV02, CCK<sup>+16</sup>, GMT<sup>+09</sup>, GMLB99, HSS<sup>+18</sup>, MF09, MSRM08, RWJ06, SFW08, SGD14b, WR01]. **ammonium-oxidizing** [HSS<sup>+18</sup>]. **amo** [YLD09]. **AMOC** [CH11, MZD<sup>+11</sup>]. **among** [BSR<sup>+18</sup>, BRBD17, Bro19, CDM23, DFD<sup>+11</sup>, DSC<sup>+19</sup>, IGN<sup>+10</sup>, KCM<sup>+14</sup>, KCL20, NLSL09, OCP18, PKHH17, SW09, SVJ<sup>+08</sup>, WCS07]. **amongst** [CAGL13]. **Ampelisca** [SR08b]. **ampeliscid** [SW08]. **Amperima** [BBR<sup>+10</sup>]. **Ampharetidae** [KEA<sup>+17</sup>, QRE<sup>+17</sup>]. **Amphimelissa** [MA05]. **Amphipod** [CBK<sup>+07</sup>, BVL04, DHST13, JLL<sup>+13</sup>, Jaz15, LMLJ18]. **Amphipoda** [HNS<sup>+11</sup>, BV04, DHST13, KGS23, LJB18, SR08b, WT12]. **amphipods** [AGD96, DEJ08, DYEJ08, HP08, HTD13, KBF<sup>+08</sup>, RJP18, SW08]. **amplification** [GPC14]. **Amplified** [MN10]. **amplitude** [LH06]. **AMSR** [MS12, OCKA<sup>+11</sup>]. **AMSR-E** [MS12, OCKA<sup>+11</sup>]. **AMT** [BMML06, RPH<sup>+06</sup>, CMB09]. **Amundsen** [AMvD<sup>+12</sup>, ALvD12, BLB<sup>+11</sup>, CKJ<sup>+16</sup>, CCK<sup>+16</sup>, GAL<sup>+12</sup>, GAL<sup>+20</sup>, HKY<sup>+16</sup>, JLY<sup>+16</sup>, KAW<sup>+16</sup>, KCY<sup>+16</sup>, KLJ<sup>+16</sup>, KHL<sup>+16</sup>, KYKJ16, LLK<sup>+16</sup>, LPJ<sup>+16</sup>, MDS<sup>+16</sup>, MAT<sup>+12</sup>, SKK<sup>+16</sup>, TAL<sup>+12</sup>, TLP<sup>+12</sup>, YJL16]. **anaerobic** [CCK<sup>+16</sup>, GMT<sup>+09</sup>, HSS<sup>+18</sup>, HFL<sup>+15</sup>, TCG<sup>+18</sup>, WJS<sup>+10</sup>]. **analog** [AWL<sup>+09</sup>]. **analogues** [MR15]. **Analyses** [PPR<sup>+20b</sup>, BS05, BS06, DCC<sup>+13</sup>, GBP00, GKB<sup>+18</sup>, HSHM02, KOS<sup>+16</sup>, KHT<sup>+20</sup>, MC18a, MKKF18, OTNT05, OSCS00, PGFP<sup>+08</sup>, PSK00a, PCP<sup>+17</sup>, RKM23a, WMH<sup>+07</sup>, WPFB11, WPSB11]. **Analysis** [BES11, DCL<sup>+21</sup>, FGH<sup>+13a</sup>, HA03, KCTG16, MPM<sup>+16</sup>, SMPSG<sup>+04</sup>, BBS<sup>+20</sup>, BGB08, BK96b, BOJ<sup>+10</sup>, CP22, CCM<sup>+20</sup>, COJ<sup>+09</sup>, CHV<sup>+15</sup>, CTW<sup>+20</sup>, CFL<sup>+16</sup>, DF16, Dan95, DRD06, DIM<sup>+12</sup>, DABMAMA04, DBD03, DKC<sup>+17</sup>,

DBMI17, DBC<sup>+02</sup>, ETP<sup>+16</sup>, ESK06, FGH<sup>+13b</sup>, GGC19, HGB<sup>+13</sup>, HiII<sup>+19</sup>, HiII<sup>+20</sup>, HRS<sup>+23</sup>, HSR<sup>+22</sup>, HZ19, IS07, JSBC15, JBOH10, KY17, KTSI07, KGW96, KS10, KW00, LDHO<sup>+14</sup>, LM13, LH15, LL13, LPL<sup>+20</sup>, MN10, MMY<sup>+20</sup>, MDI<sup>+12</sup>, MB03, MSJS08, MMT08, NHS<sup>+13</sup>, OAH<sup>+16</sup>, PSK<sup>+14</sup>, PPS<sup>+16</sup>, Pör06, RH14, RWT<sup>+20</sup>, RJDR06, RI05, RVZ02, SSWM18, SGP<sup>+11</sup>, SSB<sup>+06</sup>, TSW<sup>+12</sup>, VSR<sup>+00</sup>, WZC<sup>+19</sup>, WSB13, WDMEL01, WHLR13, WvdE00, WvdEP<sup>+10</sup>, WLT20, XZW<sup>+19</sup>, YFL<sup>+23</sup>, YQMB20, YBHM05].

**Analytical** [ÇYFB<sup>+06</sup>, OGC09, WLD<sup>+07</sup>]. **analyzed** [IFFGL<sup>+04</sup>, LB98a]. **Analyzing** [KLM13]. **Anammox** [GMT<sup>+09</sup>, BRM18, HSS<sup>+18</sup>]. **Anatolian** [ÇYB<sup>+18</sup>, GPC<sup>+18</sup>]. **Anatomy** [ABG<sup>+20</sup>, MFFM03, VPS97]. **anchovy** [CDG00, DFY<sup>+23</sup>, EEAA<sup>+19</sup>, LTL<sup>+23</sup>, MGGTM19, NSBL94, WWH<sup>+10</sup>, DBC<sup>+19</sup>]. **Ancient** [PPM02]. **Andaman** [JMW<sup>+20</sup>, NG10, PS23, VV23]. **ANDEEP** [BDG<sup>+04</sup>, BBB<sup>+07</sup>, BEG07, GJ11, VK04]. **ANDEEP-material** [GJ11]. **anemone** [MBD<sup>+17</sup>, PB13, SS13a]. **Anemones** [AD08, RLGG07]. **Angel** [MLB<sup>+10</sup>]. **angelikae** [Ste13]. **anglerfish** [LAÁ<sup>+14</sup>]. **Angola** [BMD<sup>+17</sup>, DZL<sup>+17</sup>, JBD<sup>+09</sup>, LOB<sup>+09</sup>, OCG<sup>+09</sup>, SBDB09, vCO09]. **Anguilla** [HK19, KT06]. **animal** [ELP13, Fed13, HBM<sup>+07</sup>, TT17, WLD<sup>+07</sup>]. **animal-attached** [HBM<sup>+07</sup>]. **animals** [BCE18, KPML20, KG20, MN10]. **Annelid** [NRSL17, QNL<sup>+16</sup>, VHM17]. **Annelida** [Ala18, AP22, ALSF<sup>+17</sup>, GLMB18, KMA<sup>+18</sup>, KEA<sup>+17</sup>, RRT<sup>+17</sup>, SE07, SSAL<sup>+17</sup>, SRAL<sup>+17</sup>]. **annelidicolous** [CBMM15]. **annelids** [OBKA17]. **annotated** [PDB<sup>+20</sup>]. **Annual** [AvD04, ALvD12, BMH05, BSS<sup>+02</sup>, CSS<sup>+22a</sup>, HM93, HdBB<sup>+02</sup>, LGHD20, LN01, PIP<sup>+02</sup>, PDS00, SFW08, WMC06, AVA23, ASFI02, BCM02, BT04, BD06, CTW<sup>+15</sup>, Chi96, DGA<sup>+11</sup>, FMS08, HLL<sup>+10</sup>, HHH<sup>+14</sup>, HZT<sup>+06</sup>, HXC<sup>+22</sup>, KPPL00, KMDW01, MSGO18, PVRA07, PLHMA06, RMBG11, SMLP04, SNS<sup>+16</sup>, SMS03, WGST08]. **Annular** [MMH<sup>+08</sup>].

**anomalies**  
[DVS<sup>+97</sup>, GOH<sup>+15</sup>, GOGCDB18, KD13, KLM13, MPZ04, SMH<sup>+11</sup>].

**Anomalous** [AFB<sup>+94</sup>, PLHMA06]. **anomaly**  
[DGR19, GPMZ<sup>+10</sup>, RdGM<sup>+09</sup>, TGFE02, WTWC07]. **Anomura** [CRT<sup>+00</sup>].

**Anoplopoma** [CM16a, CM16b, RDSA<sup>+21</sup>]. **anoxic**  
[HM06, KMLT06, TBSP<sup>+18</sup>]. **Anoxygenic** [TŠŠ<sup>+19</sup>]. **ANT** [BPRS11, FdBGP11, GJ11, Kyt02b, Kyt02c, RSD<sup>+97</sup>, SDB<sup>+97</sup>, SBvdL<sup>+02</sup>, SGP<sup>+11</sup>].

**ANT-XXIII** [BPRS11, FdBGP11, SGP<sup>+11</sup>]. **ANT-XXIII/3**  
[BPRS11, FdBGP11, SGP<sup>+11</sup>]. **ANT-XXIV** [FdBGP11]. **ANT-XXIV/3**  
[FdBGP11]. **Antarctic**  
[ARW<sup>+04</sup>, ADG<sup>+08</sup>, BLBW<sup>+11</sup>, BSR<sup>+18</sup>, BLO<sup>+17</sup>, BMG<sup>+17</sup>, BCF<sup>+04</sup>, CAMA<sup>+02</sup>, CR06, Can06, CHM<sup>+17</sup>, CA06b, DKS11, DT08, DZ08, DFK<sup>+06</sup>, ERPFF11, EWA<sup>+03a</sup>, ECD<sup>+17</sup>, ECS<sup>+17</sup>, FJF<sup>+11</sup>, GSM<sup>+08</sup>, HBT<sup>+08</sup>, HBO11, ITMG18, JFM<sup>+17</sup>, KNK15, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, KMMS18, LWSA08, LWAS08, LBM<sup>+17</sup>, LAGK<sup>+18</sup>, MDTS11a, MSI<sup>+08</sup>, MBW<sup>+08</sup>, MSJS08, MMC11b, MdSLH13, NKA<sup>+11</sup>, PDT11a, PHS<sup>+17b</sup>, RVZ02, ŠHW<sup>+04</sup>, ŠH11b, SBS<sup>+08</sup>, TCM<sup>+04</sup>, VFS02, VNBW18, WAL<sup>+11</sup>, dCHdOF<sup>+18</sup>, BDG<sup>+04</sup>, ARLB00, ARNB01, ADBW16, AS02a, AF01,

AGW<sup>+13</sup>, AE02, AAMF<sup>+02</sup>, ACSI15, AHV<sup>+17</sup>, Ano06b, ASMM11, ASH<sup>+11</sup>, AHB<sup>+17</sup>, ASF<sup>+12</sup>, BCE<sup>+07</sup>, Bai09, BDE07, BFF<sup>+07</sup>, BLO04, BSS20, BVL04, BV04, Ber07, BCVCHW04, BRW00, BSZ99, Bol08, BSR<sup>+18</sup>, BSCR11, BKPA06, BKCV10, BBB13, CEG<sup>+11</sup>, CVF11, CHPF10, CMG<sup>+11</sup>, CSW<sup>+17</sup>, CSP05, CMNM16, CWTJ03, CBC02, CKH<sup>+08</sup>, CWD<sup>+10</sup>, DSB<sup>+18</sup>].

**Antarctic**

[DURP03, Dal04, DNM<sup>+16</sup>, DVS<sup>+97</sup>, DND04, DDS11, DO01, DK04, DPS<sup>+11</sup>, DKGT04, DLB02, Duc08, DEK<sup>+08</sup>, ETDB11, ECD06, EWA<sup>+03b</sup>, FCG18, Fig02, FG97, FWM<sup>+11</sup>, FMWD07, Gag04, GTSC08, GHM18, GMS<sup>+02</sup>, GSK02, GP08, GAP<sup>+06</sup>, GD07, GJ11, GWDP11, GS06b, GDC11, GBVG<sup>+02</sup>, Gut06, GBD<sup>+11</sup>, HNS<sup>+11</sup>, HTA<sup>+17</sup>, HWN<sup>+04</sup>, HKN<sup>+04</sup>, HCWH00, HH03, HWCT08, HWCT11, HKO<sup>+17</sup>, HHP04, HRM<sup>+11</sup>, HPM02, JKK<sup>+10</sup>, JSM<sup>+16</sup>, JBS<sup>+13</sup>, JCM<sup>+13</sup>, JHS<sup>+17</sup>, JSSW14, JH04, JVL<sup>+16</sup>, KGB<sup>+11</sup>, KNK15, KRS<sup>+11</sup>, KKM<sup>+10</sup>, KMB11, Kla97, KHB<sup>+04</sup>, KSM<sup>+11</sup>, KBF<sup>+08</sup>, LCVV06, LSB<sup>+02</sup>, LBR<sup>+11</sup>, LCvdM<sup>+16</sup>, Lar04, LL01, LSS<sup>+11</sup>, LWA<sup>+04</sup>, LT16, LB93, LCG03, LWC05, Lin04, LGBC06, LBE06, LZL<sup>+22</sup>, LRM<sup>+02</sup>, LDD<sup>+97</sup>, MAH<sup>+12</sup>, Mal04, MB07b, MDH08, MDTS11b, Mar19, MGJ<sup>+18</sup>, MOT98, MKB<sup>+10</sup>, MNG<sup>+11</sup>, MTK<sup>+18</sup>, MTD<sup>+18</sup>, MAB<sup>+01</sup>, MSV<sup>+17</sup>, MSvL17].

**Antarctic** [MBOvL08, MHVM<sup>+08</sup>, MBT97, MGC<sup>+01</sup>, MS11, MPTW11, NKK<sup>+00</sup>, NTS<sup>+11</sup>, NRBO<sup>+05</sup>, OMG<sup>+11</sup>, OPDM11, OA11, OSHB07, OCKA<sup>+11</sup>, PHOM09, PH17, PG97, PNH<sup>+00</sup>, PBG07, PDT<sup>+11b</sup>, PB13, PAVGBG02, PHS<sup>+11b</sup>, PG18, PHD<sup>+11</sup>, PHDK11, Pör06, PRMM<sup>+17</sup>, PDTS08, RTB02, RDW<sup>+22</sup>, RPMS95, RAF<sup>+11</sup>, RHPC<sup>+19</sup>, RVS11, RLG07, RQNO04, RQM<sup>+08</sup>, RPZ<sup>+14</sup>, RFB97, SWR<sup>+95</sup>, SM00, SGGW11, SSWM18, SvDMC<sup>+16</sup>, SL06, SH11a, SAVP12, SBB<sup>+11</sup>, SBE<sup>+07</sup>, SLA<sup>+01</sup>, SBM<sup>+18</sup>, SRB<sup>+11</sup>, SK07, SPEPS18, SDB<sup>+97</sup>, SKMDR02, SK02, SMD06, SMS<sup>+08</sup>, SMD08, SMSI08, SMH<sup>+11</sup>, SHW<sup>+16</sup>, SSG<sup>+11</sup>, SGB<sup>+02</sup>, SGP<sup>+02</sup>, SBvdL<sup>+02</sup>, SWGPK17, SLP<sup>+17</sup>, SP06, SKH10b, TGU<sup>+06</sup>, THT11, TNBL95, UWvdE<sup>+16</sup>, URDP01, VMBS03, VBM97, VGBGPA02, VK04, VKGP<sup>+11</sup>, VMB17, VPdP06, VMI<sup>+08</sup>, VPSL15, WMB<sup>+08</sup>, WTS08, WSE<sup>+16</sup>, WBCB06, WGMW10, WGWW11, WGST08, WNA<sup>+10</sup>]. **Antarctic** [WS11, WRBS10, WMA11, WvdE00, WBA03, WPFB11, WZB<sup>+14</sup>, YKY<sup>+07</sup>, You99, dSEDW11, vFvdBB<sup>+02</sup>, vWMR<sup>+17</sup>, vdLBB<sup>+02</sup>, vdLCS<sup>+11</sup>, vGFGS02].

**Antarctica** [CR06, Can06, CDT11, DBDT03, HVBO08, IMP<sup>+02</sup>, MISC<sup>+02</sup>, PIP<sup>+02</sup>, RJGBF02, VSGM03a, AvD04, ALvD12, BS03, BFC<sup>+06</sup>, BS01, BLB<sup>+11</sup>, BN04, BCDV02, BAKF03, CHPS00, CDL<sup>+00</sup>, CCZ<sup>+21</sup>, CHU<sup>+00</sup>, CKJ<sup>+16</sup>, CCK<sup>+16</sup>, CA06b, CMW<sup>+08</sup>, CB01, CMK<sup>+18</sup>, Cri95, CKL03, DBD03, Dia04, DÁSCP02, DDK<sup>+00</sup>, DCC<sup>+01</sup>, EBG<sup>+11</sup>, FMS08, GZGH22, GRS00, GR10, GUSB03, GCJ<sup>+00</sup>, HCL<sup>+22</sup>, HDR<sup>+11</sup>, HB03, HBBD03, HMAW11, HSR<sup>+16</sup>, HSK<sup>+00</sup>, HSD04, HWS<sup>+07</sup>, HWTN22, HZL94, HKY<sup>+16</sup>, JKB04, JR11, JKK<sup>+10</sup>, JCP<sup>+22</sup>, JLY<sup>+16</sup>, JFK<sup>+10</sup>, KFG<sup>+03</sup>, KRW03, KGB<sup>+14</sup>, KCY<sup>+16</sup>, KLJ<sup>+16</sup>, KHL<sup>+16</sup>, KL03, KMD<sup>+01</sup>, LRR<sup>+04</sup>, LPJ<sup>+16</sup>, LXWC21, LCDS00, LT03, MMTT<sup>+20</sup>, MBS<sup>+13</sup>, MGH<sup>+16</sup>, MLH<sup>+22</sup>, NPBS00, NKK<sup>+00</sup>, NVK<sup>+04</sup>, NCR<sup>+08</sup>, OVKN11, PNH<sup>+00</sup>, PDT<sup>+10</sup>,

PEC<sup>+04</sup>, PBO<sup>+11</sup>, PDBH03, RJT11, RCF<sup>+08</sup>, RCF<sup>+16</sup>, RBS<sup>+17b</sup>, RHZ<sup>+03</sup>, SCM<sup>+02</sup>, SRS<sup>+20</sup>, SMV<sup>+03</sup>, SFW08, SLS<sup>+10</sup>, SHWW22, SRF95, SMHB00].

**Antarctica** [SDKH03, SBKS03, SBG<sup>+03</sup>, SGW<sup>+00</sup>, SGD<sup>+03</sup>, SHC<sup>+00</sup>, SSH<sup>+00</sup>, TCG00, TWD<sup>+08</sup>, TLP<sup>+12</sup>, TMT<sup>+11</sup>, TML<sup>+16</sup>, TKF16, VSGM03b, VMF<sup>+16</sup>, WvdEM00, WT12, WLA11, WLR<sup>+00</sup>, WNRM08, WMP<sup>+11</sup>, WSL<sup>+11</sup>, YJL16, ZGGF22, bsBD<sup>+20</sup>, vdMLB<sup>+11</sup>, BTFB12, BTC13, CWEHT22, SDMC03, VVM<sup>+12</sup>, ZDW<sup>+20</sup>]. **antarcticum** [OMG<sup>+11</sup>]. **antarcticus** [LZL<sup>+22</sup>, NCL13, PB13]. **ANTARES** [DRBM97, Gai97, PPRLO2]. **Antares-4** [PPRL02]. **ANTARES-I** [DRBM97, Gai97]. **Antartica** [GSK96]. **Anthozoa** [SS13a, Dau18, MBD<sup>+17</sup>, RLG07, dMGPT<sup>+14</sup>]. **Anthropogenic** [AAW<sup>+16</sup>, DCC<sup>+17</sup>, MDTG13, PDG<sup>+03</sup>, SZB<sup>+19</sup>, Wal94a, Aar03, AAG06, Ano96f, AAL<sup>+17</sup>, BCWT00, BFM<sup>+14</sup>, CHL<sup>+95</sup>, FPB<sup>+14</sup>, IPTH03, MHK<sup>+03</sup>, OGJ<sup>+19</sup>, PWF03, RPF01, ZMYS13, KGdC<sup>+18</sup>]. **anticipated** [ML20]. **anticyclonic** [EMW<sup>+08</sup>, IFGL<sup>+04</sup>, LML<sup>+01</sup>, MRLLO1, MML06, PWH05, RSC07, WR01].

**Antifreeze** [CDT11]. **Antimony** [CCFL01, RZS<sup>+16</sup>]. **antioxidant** [TTDR13]. **Antipatharia** [ROS<sup>+17</sup>, YBRT17, dMGPT<sup>+14</sup>]. **Antipathella** [ROS<sup>+17</sup>, dMGPT<sup>+14</sup>]. **ANTXXIV** [VvdLS11]. **ANTXXIV-3** [VvdLS11].

**any** [PHH<sup>+16</sup>]. **AOAC** [DRR<sup>+14</sup>]. **AOL** [YAS<sup>+93</sup>]. **AOSN** [FH09, RDL<sup>+09</sup>, DJCF09]. **AOSN-II** [FH09, RDL<sup>+09</sup>, DJCF09]. **aperture** [JLAD95]. **aphyonid** [MGN<sup>+18</sup>]. **aplacophoran** [SI09]. **Aplustridae** [CC13]. **apparent** [BHS<sup>+10</sup>]. **appendicularians** [ADS<sup>+02</sup>]. **appendix** [Ano96d, CDB94]. **applicability** [SJL05]. **applicable** [Ano17f, Ano17g, Ano17h]. **Application** [CAJE15, GGP<sup>+14</sup>, KBE<sup>+04</sup>, YKN07, AS02a, DLR<sup>+01</sup>, DRR<sup>+14</sup>, FSG02, FCP99, KS10, PDC<sup>+21</sup>, RSC<sup>+09</sup>, SAM96, XSL<sup>+17</sup>, ZRG16]. **Applications** [DGN96, GBS<sup>+22</sup>, PAR<sup>+08</sup>, BL06, RAF<sup>+14a</sup>, RAF<sup>+14b</sup>, SS05b]. **applied** [FNYK02]. **apply** [PTO<sup>+16</sup>]. **Applying** [HCJ<sup>+22</sup>, SOW01]. **appraisal** [Sha01]. **Appreciation** [Ano12, Ano13a, Ano13b, Ano16, SYR<sup>+11</sup>].

**approach** [AST07, ATLD<sup>+20</sup>, AGN<sup>+02</sup>, BdBJ<sup>+14</sup>, BDL<sup>+14</sup>, BCH<sup>+19</sup>, DWW<sup>+02</sup>, EHB19, FSP<sup>+16</sup>, GMB13, HFM<sup>+02</sup>, HGK<sup>+18</sup>, HAM<sup>+15</sup>, HD14, KYS94, KYW20, LDHO<sup>+14</sup>, LVP13, LS17, MYN<sup>+96</sup>, PCDM11, PWL07, PK03, PCB<sup>+17</sup>, QED<sup>+14</sup>, RN06, STB<sup>+17</sup>, SBL<sup>+18</sup>, SZB<sup>+19</sup>, SSB<sup>+06</sup>, SSB<sup>+07</sup>, TTLP06, TVL<sup>+00</sup>, TBSP<sup>+18</sup>, TTL<sup>+16</sup>, ZMYS13]. **Approaches** [SDGH14, ETP<sup>+16</sup>, NB10, DHS<sup>+14</sup>]. **approch** [CTH<sup>+98</sup>]. **approximation** [SJL05]. **April** [Ano98m, BSMV03, DTP<sup>+05</sup>, IF95, TDKA05, Ano00m, Ano22a, Ano23a, Ano24a, BCI02, CRD01, MLG<sup>+02</sup>, VPK<sup>+19</sup>]. **Apulia** [BFT10]. **Apulian** [Di 10, MTR<sup>+10</sup>, SC10]. **Aqaba** [BKP<sup>+19</sup>]. **Aqua** [CWP<sup>+15</sup>]. **aquaculture** [OSM<sup>+20</sup>]. **aquaria** [LPdR<sup>+14</sup>]. **aquarium** [KKM<sup>+10</sup>]. **aqueous** [PFAZL09, SLS<sup>+09</sup>]. **Aquitanian** [ERB<sup>+99</sup>, dMCNC99]. **ARABESQUE** [Bur99]. **Arabian** [BG09a, CL09, GBSL98, GNHS05, HLL<sup>+09</sup>, JJVH18, KFH01, KRG<sup>+01</sup>, LG00, LG09, LMB<sup>+98</sup>, LGML00, Men23, MCG<sup>+98</sup>, PPZ93, PSAY20,

RRMM05, SMBM99, SW00, WJD<sup>+00a</sup>, ZB00, AYN19, AYMSAS19, ASFI02, BN05, BDF00, BRM18, BRJM18, BE00, BEGC04, BMB<sup>+01</sup>, BMC99, BL99, BCBF03, BH19a, BDM<sup>+03</sup>, BFL00, BSP00, BL00, BSS<sup>+00</sup>, BSS<sup>+02</sup>, BDR<sup>+03</sup>, BLW<sup>+09</sup>, BLB<sup>+99</sup>, BLC<sup>+02</sup>, BBA<sup>+98</sup>, BGH<sup>+19</sup>, BBB<sup>+01</sup>, CLC<sup>+98</sup>, CD99, CWB02, CB00a, CM00, CDA98, CLH<sup>+00</sup>, CML<sup>+09</sup>, DC00, DCM<sup>+99</sup>, DMS<sup>+98</sup>, DOB<sup>+01</sup>, DG18, DSC<sup>+01</sup>, EBS99, EOB03, FLTV97, FL02, FWR<sup>+02</sup>, FK98, FHW06, GGRW99, GGH98, GGH<sup>+00</sup>, GMR<sup>+05</sup>, GMLB99, GBLS00, GBBS00, GW98, GRSW00, GGRW98, HP98, HML99, HLS<sup>+02</sup>, HDPI99, HKMS03, HXC<sup>+22</sup>, JTW00, JPZ93, JLB<sup>+99</sup>, KMD<sup>+99</sup>, KMDW01, KBSS93, KSS00a, KW00, KN05, KSS<sup>+00b</sup>, LRGH<sup>+05</sup>, LBC<sup>+98</sup>]. **Arabian** [LB98a, LLB<sup>+00</sup>, LMB<sup>+98</sup>, LJBF00, LL00, LCL<sup>+98</sup>, LWGS00, LOFC00, MGHN01, MDH<sup>+98</sup>, MTBB00, MPS<sup>+21</sup>, MGN99, MMWM00, MV99, MDO<sup>+98</sup>, MBM<sup>+00</sup>, ML20, MCS<sup>+99</sup>, MFM<sup>+18</sup>, MPS<sup>+03</sup>, MMM<sup>+00</sup>, MBG09, NISG05, NS93, OHFW93, PLdL97, PL00, PSK00a, PMGH01, PTA<sup>+99</sup>, PJ99, PS05, PDS00, PVT<sup>+21</sup>, RSR05, RJDR06, RSF<sup>+99</sup>, RHI00, RI05, RIBW99, RSW<sup>+00</sup>, RNP93, RBB<sup>+97</sup>, Sam01, SSI<sup>+99</sup>, SBS<sup>+00</sup>, SBD05, SWC09, SOS01, SW01, SRP<sup>+98</sup>, SLH<sup>+00</sup>, Smi01, SSR96, SP00, SBE<sup>+99</sup>, SZS<sup>+07</sup>, SBS<sup>+02</sup>, SJSI00, TBEW99, TLF97, TP99, TLR<sup>+00</sup>, TWG00, VJF23, WPHL02, WBJ<sup>+98</sup>, WFR<sup>+02</sup>, WJD<sup>+00b</sup>, WMM02, WDMEL01, WGG98, WP00, Wit00, WLL00, WLC99, WRS99, Zon97, dSG09a]. **Arabian/Persian** [PSAY20]. **aragonite** [MCM<sup>+14</sup>]. **Arc** [Lin04, TTD13]. **Archaea** [TGA<sup>+09</sup>, WLM23, MTDK98]. **archaeal** [BRJM18, LTG<sup>+09</sup>, NKA<sup>+11</sup>, QLU09, SPEPS18, XGL15]. **archaeobacterial** [GD07]. **archaeological** [BOC18, DCS<sup>+18</sup>]. **archaic** [GAP<sup>+06</sup>, BSCR11]. **Archipelago** [CSS<sup>+10</sup>, ES04, NCT13, CHH<sup>+22</sup>, FPGH02, MDG13, RVC<sup>+13b</sup>, ATI<sup>+23</sup>, BNM<sup>+07</sup>, DAN23, GBL<sup>+08</sup>, TRM<sup>+07</sup>, VFFM13]. **archipelagos** [CSM13b]. **Archipiélago** [SCC98]. **archival** [CFK15, TCEW07]. **archived** [LSL<sup>+15</sup>]. **Arctic** [Ano05b, CGG<sup>+12</sup>, GCS<sup>+12</sup>, GH05, GHS09, HD07, LJL<sup>+12</sup>, LGK15, MORB<sup>+15</sup>, MBL<sup>+15</sup>, MWFS17, ORFA<sup>+14</sup>, PSA14, RGS<sup>+97</sup>, SSF97, SSH09, YKJ<sup>+15</sup>, Arr15, Arr16, ATN<sup>+12</sup>, BFL<sup>+20</sup>, BKP<sup>+20</sup>, BDL<sup>+22</sup>, BFD<sup>+23</sup>, BBLS14, BCWT00, BIH10, BH97, BHK<sup>+10</sup>, CFK15, CSA<sup>+09</sup>, CAS<sup>+97</sup>, CMNO23, CDM23, CWP<sup>+15</sup>, CLQ<sup>+18</sup>, CAC<sup>+97</sup>, CLGM05, CGG<sup>+19</sup>, Cra97, CMPB18, CJM<sup>+22</sup>, DBJ97, DTWF17, DTWW17, DTWW21, DLWW23, DBMI17, DSW20, DCF<sup>+18</sup>, DGS<sup>+05</sup>, DGT17b, DSYH09, EAF<sup>+17</sup>, FPLB<sup>+08</sup>, Fer06, FNS20, FTT<sup>+17</sup>, GMD07, GVW<sup>+19</sup>, GGCM17, GLW<sup>+97</sup>, GBI10, GNB<sup>+17</sup>, GMCF19, GKBG17, GF97, HHH<sup>+15</sup>, HMGD17, HTPM14, HCAK17, HM14, HC05, HALV18, HK07, HPK<sup>+97</sup>, HEW15, INTS02, JYM<sup>+15</sup>, JDL<sup>+12</sup>, JLJ<sup>+12</sup>, KM05a, KCZ<sup>+19</sup>, KB95, KMC05, KHC<sup>+09</sup>, KEA<sup>+17</sup>, KH10, KCO<sup>+19</sup>, LKD<sup>+15</sup>, LCS<sup>+06</sup>, LKJ<sup>+15</sup>, LDG<sup>+23</sup>, LMvDA16, LLM<sup>+17</sup>, Liv95, LPMS09, LWJR22, MBI<sup>+10</sup>, MEB<sup>+23</sup>]. **Arctic** [MGK19, MS12, MSGO18, MSV18, MES97, MKH<sup>+05</sup>, MWFS17, NPF<sup>+09</sup>, NED09, OACA19, PLL<sup>+06</sup>, PWP<sup>+05</sup>, PLGCL09, PFPJ<sup>+09</sup>, PDE<sup>+16</sup>, PHKW10, RLB<sup>+18a</sup>, RHK<sup>+10</sup>, RFF<sup>+02</sup>, RWRS08, RHD<sup>+18</sup>, RFQ99,

RKS<sup>+95</sup>, SSLP95, SvdLM95, SE95, SFPH<sup>+08</sup>, SCGB18, SBSW07, SFP<sup>+09</sup>, TCH<sup>+16</sup>, VSFF09, WHF<sup>+19</sup>, WLM23, WBO07, WYOS18, WWH97, Whe97, WWN<sup>+22</sup>, WTT<sup>+20</sup>, WCJ97, YHK15, YBHM05, ZCG<sup>+12</sup>, ZWL<sup>+22</sup>].

**Arctocephalus** [AHB<sup>+17</sup>]. **Arcturoid** [GMB18]. **Area** [BJK<sup>+22</sup>, DKC<sup>+17</sup>, GASGB<sup>+14</sup>, AMJRD19, AAMF<sup>+02</sup>, BM17, BCNS15, BCE18, BEM<sup>+15</sup>, BFG<sup>+10</sup>, BVGE<sup>+06</sup>, COV<sup>+08</sup>, CSGV13, CWJ99, CDJM04, DJC<sup>+14</sup>, EMG<sup>+15</sup>, FB15, FEB<sup>+15</sup>, FSG02, FS14, GHIM04, HH93, HDF<sup>+01</sup>, IMP<sup>+02</sup>, LUV99, LWDH06, LMS15, LGO08, LVP15, Mah16, MB15, MXC15, MQACB08, MHM<sup>+14</sup>, PWMC01, PAUB19, PFAZL09, SdS01, SP09, WSP19, vGCM00]. **Areas** [LVP<sup>+17</sup>, PRDB<sup>+17</sup>, Ala13, AE02, BCVCHW04, CSM<sup>+13a</sup>, CLQ<sup>+18</sup>, DC12, HD17, HSC<sup>+19</sup>, HWCT08, HON<sup>+13</sup>, JT07, KCD<sup>+17</sup>, KGB16, LCWJI<sup>+19</sup>, LPS14, OMAA18, RNP93, SAG<sup>+10</sup>, SKS<sup>+23</sup>, SNS<sup>+07</sup>, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, VGBGPA02, VVV04b, WLZ<sup>+19</sup>, WCS07, YLG<sup>+18</sup>, YNK07]. **Argentina** [RdL<sup>+13</sup>, FSCC07, HZS00, MP17, PRP15, SGB14]. **Argentine** [AFM93, AHK99, BW93, EI193, FSM93, Led93, MF93a, OA11, RWG93, WEB93, Wea93]. **Argo** [PVT<sup>+21</sup>, CWS<sup>+23</sup>, Fre13, Gou05, JBC<sup>+21</sup>, KK20, MPS<sup>+21</sup>, PK13, PPR<sup>+20b</sup>, WXL<sup>+23</sup>]. **ARGOS** [RTC<sup>+07</sup>]. **armatus** [MSW<sup>+13</sup>, RCCP13]. **aromatic** [HTPM14, HT17, LTS<sup>+97</sup>, WSS<sup>+08</sup>]. **array** [ARLB00, GMCF19, KCO<sup>+19</sup>, MT98, WWB04]. **arrowtooth** [DDAH<sup>+14</sup>, DMH19, SCH<sup>+19a</sup>]. **Arsenic** [BSE<sup>+16</sup>, CCFL01, PSP<sup>+09</sup>, RZL<sup>+10</sup>, RZS<sup>+16</sup>, TD16, WSLC15].

**Artedidraconidae** [LCVV06]. **Artic** [Ano96f, CHL<sup>+95</sup>]. **articulata** [JR11]. **artificial** [AS01a, STF09, Tho97]. **artisanal** [TMGLM19]. **ASAR** [OCKA<sup>+11</sup>]. **ascertained** [LMLC<sup>+17</sup>]. **Asellota** [EGMB13, KBK<sup>+18</sup>, Gol15, Gol18, GM22, MB07b, MB15, MB18, MG22, RHW04, RMBW07]. **asexual** [TGU<sup>+06</sup>]. **Asia** [GKB19]. **Asian** [JRK<sup>+17</sup>, WKM<sup>+07b</sup>, WKM<sup>+07c</sup>, Bro19, BH19b, LP19, PH19, SPDW19, Sum19]. **Aspects** [BCP<sup>+15</sup>, KBSS93, OVKN11, ASB<sup>+02</sup>]. **asperum** [WZC<sup>+19</sup>]. **asphalt** [FYS<sup>+17</sup>, NMN<sup>+17</sup>]. **assay** [EPK<sup>+10</sup>, PBG<sup>+10</sup>]. **assemblage** [LCCC07, CSGV13, DSE<sup>+14</sup>, GVW<sup>+19</sup>, GAP<sup>+06</sup>, KRHS20, LS14a, LHZJ13, MKKB14, MSK<sup>+06</sup>, MSS<sup>+02</sup>, MBO07, WAP<sup>+18</sup>]. **assemblages** [ATJ05, Ala22, AAG02, AFC<sup>+17</sup>, ARB<sup>+13</sup>, ANS<sup>+11</sup>, AKHR<sup>+20</sup>, BAS00, BHS<sup>+19</sup>, BH94, BSCR11, BBW<sup>+15</sup>, CBNR<sup>+09</sup>, CPF<sup>+14</sup>, CJA<sup>+06</sup>, CG21, CDM23, CD20, CHR97, CPA<sup>+11</sup>, DHS<sup>+14</sup>, FKS18, FS14, GCCG13, GPCT23, GDAMS19, GMBL10, GSdS<sup>+14</sup>, HNM<sup>+20</sup>, Hec94, HSR<sup>+22</sup>, Hus16, IMG<sup>+19</sup>, IKR<sup>+12</sup>, JTW00, JBD<sup>+09</sup>, KBG<sup>+10</sup>, KNI<sup>+05</sup>, LWDH06, LWSZ13, LBB<sup>+07</sup>, MBI<sup>+10</sup>, MRMP09, NSWY20, NHBM10, OKY<sup>+17</sup>, OT12, PWCL98, PMS<sup>+20</sup>, PZL<sup>+09</sup>, QSA<sup>+09</sup>, RVZ02, SKdS<sup>+14</sup>, Sor99, SPB<sup>+10</sup>, SB22, SRS11, Tan03, TT05, TVLB08, TMP<sup>+13</sup>, VGBGPA02, VH99, VT01, WAM<sup>+18</sup>, WRBS10, ZBC<sup>+13</sup>]. **assess** [FSP<sup>+16</sup>, MBP<sup>+20</sup>]. **Assessing** [BS21, BHS<sup>+10</sup>, CMG<sup>+11</sup>, CNOC13, FA03, GWP<sup>+98b</sup>, HPWP07, Hei02, PSUH<sup>+16</sup>, Pas18, SSSN19, SMH<sup>+06</sup>, SSP<sup>+09</sup>, TBPS22, Vri09, DTB<sup>+02</sup>, TBSP<sup>+18</sup>]. **Assessment** [COS<sup>+16</sup>, CWP<sup>+15</sup>, DM16a, LL13, MB96,

MFN<sup>+02</sup>, PPR<sup>+20a</sup>, SHS<sup>+12</sup>, STP<sup>+16</sup>, VTA<sup>+11</sup>, ATI<sup>+23</sup>, APB<sup>+09</sup>, BFH<sup>+23</sup>, CDM23, CML<sup>+14</sup>, DMC<sup>+17</sup>, DBG<sup>+16</sup>, EHB19, FBP<sup>+17</sup>, GGP<sup>+14</sup>, HCBP97, HIA<sup>+16</sup>, KFW01, LTG<sup>+09</sup>, LTF<sup>+19</sup>, LCL<sup>+22</sup>, Lip01, NP03, RP18, RDSA<sup>+21</sup>, TRF<sup>+97</sup>, WSL07, WPW<sup>+14</sup>, YKSI19, BKS<sup>+16</sup>, ESW<sup>+16</sup>, Mah16]. **assessments** [IHPA16, SPW<sup>+22</sup>]. **assimilated** [FHW06]. **Assimilation** [Fri01, SP09, CFZ<sup>+18</sup>, FM03c, HDGM19, HFKY05, LHS96, LDWK96, MD14, OBM<sup>+93</sup>, SRA<sup>+09</sup>, SJL05, SS01, TDC08, WO99]. **assimilative** [CLF<sup>+09</sup>, MHB<sup>+23</sup>]. **assist** [AKZL16]. **associated** [Ala22, AP22, dSVC<sup>+14</sup>, BW04, BPKJ15, BCKH07, BRBD17, BAKF03, BPR<sup>+10</sup>, BVGE<sup>+06</sup>, BLC<sup>+08</sup>, CBNR<sup>+09</sup>, CR06, CdST<sup>+17</sup>, CH24, Cha03, CSG<sup>+15</sup>, CKJ<sup>+16</sup>, CCK<sup>+16</sup>, COQ<sup>+18</sup>, CCM15, CTT09, EHL02, ERR97, EHK09, FR10, FSK<sup>+02</sup>, GLCU<sup>+17</sup>, HDR<sup>+11</sup>, HLL<sup>+10</sup>, HMA20, JCF<sup>+06b</sup>, KLL098, KKK<sup>+17</sup>, LBV<sup>+08</sup>, LSUB94, LSM<sup>+06a</sup>, LPPCF10, LXS<sup>+13</sup>, LMLC<sup>+17</sup>, MCS<sup>+09</sup>, NMN<sup>+17</sup>, OGG<sup>+15</sup>, OB22a, OLP<sup>+20</sup>, PLRV22, Pas16, PHD<sup>+18</sup>, PZL<sup>+09</sup>, PRSS23, SMZ<sup>+08</sup>, SYT<sup>+10</sup>, SL94, SAVP12, SBBP<sup>+15</sup>, SZH<sup>+04</sup>, SSAL<sup>+17</sup>, SS02, SSI19, SM03, SSS<sup>+11</sup>, Sot09, TSS<sup>+21</sup>, Thu06, TLR<sup>+00</sup>, WPD22, WCH<sup>+93</sup>, WCB98, ZPG14, ZPT<sup>+13</sup>, ZA16]. **associates** [BVL04]. **association** [ALH<sup>+01</sup>, AHVB<sup>+17</sup>, ADG<sup>+08</sup>, ACG<sup>+17</sup>, BDL<sup>+14</sup>, GS06a, NKA<sup>+11</sup>, PGPP<sup>+13</sup>, SPH<sup>+08</sup>, YBC<sup>+17</sup>, TTU01]. **associations** [BWH<sup>+17</sup>, HSY08, KFW01, LWAS08, MBB<sup>+02</sup>, NYH<sup>+20</sup>, OMS06, SJJ19, YSMW05, YSBH06]. **assumptions** [GLF<sup>+03</sup>]. **asteroid** [FSG02, MMD15]. **Asteroidea** [Mah16]. **Astrid** [DKdS<sup>+03</sup>, vAvVV<sup>+03</sup>]. **asymmetry** [DWW<sup>+02</sup>, MS12]. **asymptotic** [CJ19, Mar19]. **At-sea** [CFGR07, WJR<sup>+16</sup>]. **Atheresthes** [DDAH<sup>+14</sup>, DMH19, SCH<sup>+19a</sup>]. **athesphatos** [BG10]. **Atlantic** [AFB<sup>+94</sup>, ARK<sup>+94</sup>, Ang10, Ano96g, BBB94, BMK96, Bea09, BDL<sup>+14</sup>, BA94, Bis94, BRP<sup>+13</sup>, BY04, BHLS15, BAC<sup>+15</sup>, BWH<sup>+17</sup>, BJ15, BSS15, BOJ<sup>+10</sup>, CFJL96, CAGL13, CdST<sup>+17</sup>, CMT93, CRR01, CPH01, CNM17, CWdE99, DMJ93, DKT<sup>+01</sup>, DOBH02, DGN96, DSE<sup>+14</sup>, DKQ<sup>+93</sup>, FBS94, FS05, FHR<sup>+14</sup>, FCW<sup>+15</sup>, FPW02, FKH13, GG93, GdSP11, GNT<sup>+17</sup>, GOP<sup>+01</sup>, HCBL<sup>+17</sup>, HAH<sup>+01</sup>, HC13, HS93, HM93, HFP94, JKB04, JLL<sup>+15</sup>, JPM99, KM96, KFF<sup>+94</sup>, KD01, LRFK99, LSUB94, LDBvdB17, LDHI93, LDFS93, LL13, LTS<sup>+13</sup>, LN01, MHS01, MP17, MK96, MRD13, MTM<sup>+13</sup>, NTF01, NKB<sup>+18</sup>, NESB<sup>+15</sup>, OLG<sup>+01</sup>, QW15, RTFB09, ROL<sup>+15</sup>, RSB<sup>+15</sup>, RDFS93, SH00, SSUB15, SBP13, SSAL<sup>+17</sup>, SLB13a, SKdS<sup>+14</sup>, SE14, SPB<sup>+10</sup>, SGL99, SS99a, SJST13, Ste04, SCB<sup>+01</sup>, SLB13b, SMB03, SS13b, TRB98, TCJ<sup>+11</sup>, TRM<sup>+15</sup>, Wal94a, WCH<sup>+93</sup>, WBBM01]. **Atlantic** [WBML06, Wir94, WSLC15, YQMB20, You99, ZBC<sup>+13</sup>, ZPT<sup>+13</sup>, ABD<sup>+13</sup>, ADV<sup>+01</sup>, APB<sup>+09</sup>, AGL<sup>+19</sup>, ACV<sup>+01</sup>, ACG<sup>+01</sup>, ARB<sup>+13</sup>, ARC02, ANL13, ABKL96, AKBD13, Ano99a, AMV<sup>+09</sup>, Ark13, AHVB<sup>+17</sup>, AL13, BC11, Bae11, BJB<sup>+06</sup>, BMS<sup>+18</sup>, BMGF93, BMP<sup>+09</sup>, Bat01, BSK<sup>+97</sup>, Bau02, BDWG02, BFDB17, Bec97, BMML06, BJA13, BMS99, BGWF08, BW99a, BBR<sup>+10</sup>, BG94, BSJ13, BCH<sup>+11</sup>, BBR<sup>+18</sup>, BSZ99, BNP<sup>+09</sup>, BRBD17, BLG11, BHAL13, BG10, BBB<sup>+07</sup>, BHJ<sup>+14</sup>, BFB<sup>+18</sup>, BSW<sup>+13</sup>, BCL14, BZvHH00, BR14, BD06, BEJS93, CVA<sup>+13</sup>, CAH<sup>+09</sup>, CFK15,



CSEP+17, CHN+10, CSM+13a, CPF+14, CH11, CRDP02, CSM13b, CM99a, CZVR02, CWWB04, CFT+04, COJ+09, CM03, CBW01, CMH09, CW09, CSH+13, CAJE15, CGPM13, CHV09, CSGV13, CSCP13, CLJ+13, CLB13, CHR97, CBS11, CPA+11, CM99b, CCFL01, CC01, DLR+01, DDN+04, DMC+17, DSK+13, DTB+02]. **Atlantic** [DB97a, DONF08, DJR+01, DKJ13, Dri09, DSW20, DOC01, DB97b, DH93, Dud06, DHST13, DJC+14, DFMG01, EQW+13, EHL02, EWP+99, FVW08, FRW00, FWS94, FHP94, FS07, FD01, FUGG+09, FCBD08, FCAD04, Fro04, FPB04, FYS+17, GGF+08, GRWW01, GLCU+17, GOD+01, GWR93, GM11, GSW99, GCI+01, GGDF08, GSW+09, GDA+15, GBSL98, GMBL10, GAJ+13, GAHD+17, GLMB18, HTD00, HT01, Ham07, HHH+93, HMW+15, HAF+15, HCWW01, HH93, HIK+08, HWP+11, HDF+01, HdMR+99, HZT+06, HMC09, HK07, HTD13, HSY08, HMSMK04, HTT15, HWJ20, JSBC15, JZ93, JPSB93, JWS01, JR04, JAP+13, JNB17, KBK+18, KBG+10, KSL+04, KRF01, KD13, KJB+08, KCM+14, KFS+17, KSU+06, KMK+20, KMKA20, KPBK08, KLM+11, KEPZ93, KST+99, KLM13, LVJC17, LRGH+05, LOA15, LPD+17, LNJ+00, LSdC+10, LAÁ+14, LML+01, LB93, LOA13, LMG93]. **Atlantic** [LH01, LH08, LWC05, LAJP13, LLM+17, LS18, LBB11, LMLC+17, LBB+06, LGB13, LFKF+17, MBW+03, MAH+12, MZD+11, MFB18, MH93, MFG+93, MR01, MC09, MLP+10, MPL15, MD06, MS99, MLS01, Mas01, MCB+15, MB03, MA05, MSW+13, MSD+18, MHFM15, MKD+20, MRMP09, MDG13, MG13, MBK97, MdBL+11, Mil94b, MGR03b, MWB+09, MGK+17, MBMGK08, MFE+02, MKW11, MR15, NHH+13, NMK+20, NDT+01, NHS+13, NRBO+05, OBC+14, OL15, OUJ+19, OGBF08, OPB15, PPA10, PLS+10, Pak04, PF04a, PF04b, PH17, PK08, PP93, PWCL98, PKR+01, PRDB+17, PGPI+13, PPRHLF02, PB08, PBN10, PMM+94, PGS14, PSB14, PPFS17, PPM02, PSE+93, PGPP+13, PHH+06, PD01, PBB+13, QTPS97, QB02, RCL+09, RH99, RRL+14, ROS+17, RLD+15, RHK+11, RWJ06, RSB+17, RSW+13, RHB+04, RvAH10, RKHK+11, RF99, RLB18b]. **Atlantic** [RKB18, RPF01, RCCP13, RWL+93, RHJ06, RPH+06, RHJL09, RMPI+17, RCM+17, RFLW00, SA14, SHI06, SMB+13, SSP14, SKC99, SLdB+15, SLDL93, SAA+17, SBG05, SSMC10, SFV+01, SBB+11, SWB+09, SRDV07, SLHS20, SFR+06, SRF+09a, SF11, SPF+94, SML15, SSV02, SBP13, SRAL+17, SRBR05, SKW+04, SVS93, SGB+08, SBK08, Sor99, SABP+16, SMA01, SHY+08, SS99b, SKKM20, SBvdL+02, SWGPK17, SLP+17, SMM+06, THJ+17, TZS+01, THZ06, THM+13, TTLP06, TGK+11, TSPH09, TBBM03, TLK+02, TLP+19, TCH+16, VKG93, VALM17, VSS+93, VCRDF99, VM01, VCR02, VCO+15, WH01a, WCJ+11, WW04a, WHNS04, Wat09, WB01, dLWFB08, WBM+10, Wil98, WR01, WR15, WW04b, Wun13, Yal01, YSC+20, YSHS08, YS01, ZV13, ZBvH+00, dMGPT+14, vdLBB+02]. **atlanticus** [EWP+99]. **Atlantis** [GTB15]. **Atmosphere** [GSF+19, GSF+20, AGL+19, BPF+03, DWW+02, KD13, KFA+20, Mas01, MW06, NHS+09, RFHL99, SWLL23, SDMS06, WBA03]. **Atmosphere-Ocean** [GSF+19, GSF+20]. **Atmospheric**

[BA02, GCN<sup>+97</sup>, HSR<sup>+23</sup>, KMT20, KWN<sup>+09</sup>, TP99, WBJ<sup>+98</sup>, BJB<sup>+06</sup>, CBBM12, CKH<sup>+05</sup>, CB09a, DWBP13, DLF<sup>+09b</sup>, DBL<sup>+05</sup>, DJCF09, EHL02, HSR<sup>+16</sup>, Hei02, JDL<sup>+22</sup>, LRFK99, MSM<sup>+02</sup>, MCJ<sup>+99</sup>, Mun07, NMW<sup>+09</sup>, PW05, PNL<sup>+19</sup>, PMJ20, RW95, SYT<sup>+10</sup>, SBD05, SZG<sup>+13</sup>, SLB13a, SUK<sup>+06</sup>, TMP<sup>+19</sup>, WBO07, YK16]. **atomic** [LZS<sup>+18</sup>]. **attached** [HBM<sup>+07</sup>, LWW<sup>+15</sup>, RVS11]. **attachment** [MCS07, RCKCK07]. **attempt** [Gut06]. **attending** [ACD<sup>+17</sup>]. **Attenuation** [CWWB04, RRWR08, BTS<sup>+08</sup>, CGR<sup>+96</sup>, DO96, SWR<sup>+95</sup>, SBHS20, SM96a]. **attracting** [MDSA19]. **attributes** [HMAW11, MK21, MA09, Zim19]. **Atwater** [FR10]. **augment** [NBBBT13]. **augmenting** [BL06]. **August** [Ano00k, Ano98k, Ano98j, Ano99i, Ano22b, Ano23b, ACG<sup>+17</sup>, Dan95, GGH98, HKM00, HLS<sup>+02</sup>, LCK95, PC08, RBP<sup>+05</sup>]. **Austral** [Ano95b, ADG<sup>+08</sup>, BSM01a, BLO04, BCH<sup>+11</sup>, BND<sup>+04</sup>, CRF04, CBJ<sup>+23</sup>, DSN<sup>+20</sup>, DO01, DZ08, FG97, FWM<sup>+11</sup>, FPGH02, Fro04, FPB04, GCB04, HMS<sup>+13</sup>, HHW<sup>+08</sup>, HKN<sup>+04</sup>, JH04, KYKJ16, MAB<sup>+01</sup>, NTH10, PAM<sup>+04</sup>, PF04a, PF04b, PDA<sup>+20</sup>, PMS<sup>+20</sup>, Pee97, PRB<sup>+11</sup>, QTPS97, QB02, RCF<sup>+08</sup>, SLC<sup>+20</sup>, SCM<sup>+02</sup>, SRS<sup>+20</sup>, SMS<sup>+07</sup>, SSHM<sup>+08</sup>, SLMP07, SMP<sup>+15</sup>, SDB<sup>+97</sup>, SLP<sup>+17</sup>, TPS<sup>+15</sup>, VPS97, VKM<sup>+10</sup>, YMC<sup>+22</sup>, ZZP04, ÁRR02, AAMF<sup>+02</sup>, ARW<sup>+04</sup>, BTR95, BLO<sup>+17</sup>, BRSIW95, CRDP02, GCR<sup>+02</sup>, GGLP02, HSK<sup>+00</sup>, KNV<sup>+10</sup>, KHB<sup>+04</sup>, LAF<sup>+02</sup>, NKK<sup>+00</sup>, PNH<sup>+00</sup>, PAVGBG02, SHGB95, TCG00, VFS02, VABCR<sup>+24</sup>, WAPL95, WPW95]. **austral-winter** [HMS<sup>+13</sup>]. **australe** [ASMM11]. **Australia** [PvRR18, PHE<sup>+18</sup>, BSG<sup>+11</sup>, BOB20, BGDT11, BHS<sup>+17</sup>, DPS<sup>+11</sup>, ETDB11, HWTP07, HYMD11, HF21, IIM02, KBW<sup>+11</sup>, MGJ<sup>+18</sup>, MMC11b, PKW07, SKW07, TBW<sup>+11</sup>, TRHA01, TWPP07, WGW11, WAP<sup>+18</sup>, WAM<sup>+18</sup>, YHC<sup>+11</sup>]. **Australian** [Beg18, BPM18, BSL11, CMC11, DSvR<sup>+18</sup>, EMEP18, EPHE18, FKS18, FBPG18, HDD<sup>+11</sup>, HGM<sup>+11</sup>, HRM<sup>+18</sup>, LBR<sup>+11</sup>, MBG18, MDJS11, MMMC07, OGRdO18, Pas18, PvRR18, SYB<sup>+11</sup>, SRS11, STS11, WAP<sup>+18</sup>, WAM<sup>+18</sup>, YHC<sup>+11</sup>, vRPD<sup>+18</sup>, APT11, BES11, ETD<sup>+11</sup>, FMFW07, Gau07, KNK15, NHD11, PHD<sup>+11</sup>, dSEDW11]. **australis** [MB07a]. **Authigenic** [FC15, GF07, NEO<sup>+07</sup>, PUP<sup>+07</sup>, ÇYB<sup>+18</sup>, LMG17, LSL<sup>+15</sup>, PBVC<sup>+16</sup>, RH07, SHM<sup>+07</sup>]. **Author** [Ano96a, Ano01a, Ano95g]. **automated** [SMY<sup>+98</sup>]. **Automatic** [TAB<sup>+16</sup>]. **Autonomous** [RDL<sup>+09</sup>, BCT21, BKY<sup>+17</sup>, CSW<sup>+18</sup>, CB09b, KR11, KOR06, MCM<sup>+14</sup>, PNS<sup>+09</sup>, FH09, HLR<sup>+09</sup>]. **autotrophic** [DB97a, MLK<sup>+12</sup>, YLD09, Yal01]. **autotrophy** [RvAH10]. **autumn** [AHGCNM<sup>+04</sup>, AGM<sup>+93</sup>, BRG17, BSKD<sup>+07</sup>, COQ<sup>+18</sup>, FPLB<sup>+08</sup>, FWC<sup>+12</sup>, FPGH02, LHZ<sup>+16</sup>, NPA<sup>+22</sup>, PAM<sup>+04</sup>, PMG<sup>+22</sup>, WAW05b, ZSZ<sup>+19</sup>]. **AUV** [PGM<sup>+15</sup>]. **availability** [BFSK08, BCG04, GGCM17, KY17, LG09, LL01, LRN<sup>+14</sup>, NTK<sup>+09</sup>, PDE<sup>+16</sup>, RBS<sup>+17b</sup>, VM13, WWC<sup>+19</sup>, ZAC<sup>+15</sup>]. **averaged** [SF11, SS13b]. **AVHRR** [FCP99, OMS06]. **AVHRR-derived** [OMS06]. **AVHRR/NOAA** [FCP99]. **AVHRR/NOAA-11** [FCP99]. **Avilés** [SGPD<sup>+14</sup>, GBDM<sup>+14</sup>, LPS14]. **avulsions** [SSHB03]. **Axial** [MTB09]. **Axiidae** [Mar18]. **Axis**

[BvWR<sup>+20</sup>, CTW<sup>+20</sup>, CD20, CS20, KFA<sup>+20</sup>, LWB<sup>+20</sup>, RWT<sup>+20</sup>]. **Azores** [BRP<sup>+13</sup>, PNLFS02, PNLF02, PNLFS03, AGS<sup>+02</sup>, CP13, CSM<sup>+13a</sup>, CGPM13, DONF08, HMH<sup>+02</sup>, MDG13, PPM<sup>+17</sup>, PNLF02, PGPI<sup>+13</sup>, PGPP<sup>+13</sup>, RVC<sup>+13a</sup>, RVC<sup>+13b</sup>, ROS<sup>+17</sup>, SMB<sup>+13</sup>, SWZA02, SAM05, SBK08, THM<sup>+13</sup>, VFFM13, dMGPT<sup>+14</sup>].

**B** [Ano97c, Eif05, LWAS08, ONSSVGR04, WW04a, EGOO22, EBG<sup>+22</sup>]. **B.** [BRG17]. **Ba** [JDS<sup>+08</sup>]. **Bab** [Sme04, SJM02]. **batchei** [MCCM<sup>+98</sup>]. **back** [IDSM04]. **backarc** [iITT<sup>+15</sup>]. **Background** [KL96a, VGD14]. **backscatter** [LCG03, WH01a, WGR<sup>+95</sup>]. **backscattering** [Ano97b, FCG18, LLK<sup>+16</sup>, WMS<sup>+96</sup>]. **Bacteria** [TGA<sup>+09</sup>, BRM18, BCG04, BCO<sup>+96</sup>, BAKF03, CKJ<sup>+16</sup>, GMT<sup>+09</sup>, HSS<sup>+18</sup>, JBR<sup>+18</sup>, KBLA97, KSH<sup>+09</sup>, KRB95, KHC<sup>+09</sup>, KMO<sup>+10</sup>, KFK06, LDHI93, LH01, LWW<sup>+15</sup>, LIS<sup>+02</sup>, LLT<sup>+00</sup>, MFM<sup>+18</sup>, PvRR18, RRMM05, RJM<sup>+15</sup>, SSV02, TR02, VKGP<sup>+11</sup>, WLM23, ZXLL10, ZHK<sup>+05</sup>]. **Bacterial** [AHR<sup>+06</sup>, BFL00, DSJ<sup>+11</sup>, GCB04, HHH<sup>+15</sup>, JBS<sup>+98</sup>, LXS<sup>+13</sup>, LBGW97, MQD06, MBT97, RBA<sup>+01</sup>, RSF<sup>+99</sup>, SSLA95, SNW08, TB97, TOSH08, YNK07, ADBU18, AZYT16, BN97, BRJM18, BCN<sup>+16</sup>, BFML<sup>+08</sup>, BGG<sup>+09</sup>, DKT<sup>+01</sup>, DC08, DCK01, DDK<sup>+00</sup>, GKB<sup>+18</sup>, HRM<sup>+06</sup>, JJVH18, JMN<sup>+15</sup>, JS14, KKK<sup>+17</sup>, KMC05, KNC<sup>+09</sup>, LLK<sup>+09</sup>, MNB02, OCL<sup>+08</sup>, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, RSR<sup>+19</sup>, RGS<sup>+97</sup>, SBSH99, SIS<sup>+02</sup>, SGC03, SPEPS18, TGRB02, WvdEM00, XGL15, YNG<sup>+16</sup>, ZDA<sup>+16</sup>, ZSB01]. **Bacterioplankton** [Duc93, DQC95, GVD<sup>+97</sup>, HZL<sup>+12</sup>, KHE<sup>+11</sup>, PJ99, CDS96, DKQ<sup>+93</sup>, DSC<sup>+01</sup>, DCC<sup>+01</sup>, HKY<sup>+16</sup>, MPTW11, ORFA<sup>+14</sup>, XZW<sup>+19</sup>, ZFA<sup>+02</sup>]. **Bacterivory** [Wei99, RPAD99, SSV02]. **BAD** [GWP<sup>+98b</sup>]. **Baeonectes** [MGE13]. **Baffin** [HdVGHM02]. **Bahamas** [BBW<sup>+15</sup>, PP13]. **Bahamian** [YERT13]. **Bahia** [DCH04, ONSSVGR04, SVJRSON04, RAR04]. **Baiona** [BFG<sup>+10</sup>]. **bait** [KJB<sup>+08</sup>]. **Baited** [JSWB21, LDBvdB17, LLM<sup>+17</sup>, CLJ<sup>+13</sup>]. **Baiyun** [MWS<sup>+15</sup>]. **Baja** [DCH04, AMJRD19, AHGCNM<sup>+04</sup>, DGR19, ECM<sup>+06</sup>, RAL04, SMPSG<sup>+04</sup>]. **Balaena** [OCP18]. **Balaenoptera** [BRG17, ESWL20, LAP<sup>+17</sup>, MHM<sup>+14</sup>]. **balance** [AKH<sup>+02</sup>, AMV<sup>+09</sup>, BBB94, BMK<sup>+13</sup>, CW97, FDC<sup>+18</sup>, HCBP97, HdBB<sup>+02</sup>, LGO08, MBK08, MBW<sup>+08</sup>, Qua97, RdGM<sup>+09</sup>, RJWD01, SPSM23, SFR<sup>+06</sup>, SLB<sup>+16</sup>, TRF<sup>+97</sup>]. **balanced** [MMTT<sup>+20</sup>, SCSMT20]. **balances** [LST<sup>+11</sup>]. **Balearic** [COS<sup>+16</sup>, GLCU<sup>+17</sup>, PRDB<sup>+17</sup>]. **Baleen** [DBL<sup>+19</sup>, ZFP<sup>+16</sup>, PTS17, RHB<sup>+04</sup>]. **Bali** [SNH<sup>+23</sup>]. **ballast** [ALH<sup>+01</sup>, APLW09, LPW<sup>+09</sup>]. **ballasting** [ESA<sup>+09</sup>, EAS<sup>+09</sup>, ZdBB<sup>+07</sup>]. **Baltic** [LL14, BSE<sup>+16</sup>, BKS<sup>+16</sup>, GK16, KGB16, OT10, SKH<sup>+10a</sup>]. **Baltimore** [BWH<sup>+17</sup>]. **bamboo** [STR<sup>+14</sup>]. **band** [BCT21, SL11]. **Banda** [HXF<sup>+23</sup>]. **Bank** [Ano97b, AJP<sup>+22</sup>, Di 10, GASGB<sup>+14</sup>, HC13, NHH<sup>+13</sup>, PR05, SKdS<sup>+14</sup>, GSM<sup>+08</sup>, LDG94, MDC<sup>+10</sup>, ADGA01, ABB<sup>+01</sup>, AGD96, BDW<sup>+96</sup>, BBR<sup>+96</sup>, BSM01b, BHC<sup>+01</sup>, BL04, BD06, BK96b, BGMH01, CRD01, CPF<sup>+14</sup>, CBF01, CHV09, CBS<sup>+01</sup>, DVC14, DPS<sup>+14</sup>, DL01, DC06, FC01, GDE<sup>+96</sup>, GTTKB14, GNG<sup>+22</sup>, HSR<sup>+23</sup>, HRSJ23, HLNO96, HF01,

HNCW23, IAA96, JRJ<sup>+22</sup>, JKJ<sup>+22</sup>, JCF<sup>+06a</sup>, JCF<sup>+06b</sup>, LCD01, LMDW06, LB96, LM96, LCR<sup>+96</sup>, LM01, LBB<sup>+06</sup>, LPS14, LLW01, MRRG23, MB96, MS01, MC06, MB01, MPH<sup>+22</sup>, MLW<sup>+01</sup>, MTK<sup>+14</sup>, MO96, MT96, NLHB01, NDE14, NDG96, NPA<sup>+22</sup>, PWMC01, PTD<sup>+14</sup>, PMG<sup>+22</sup>, RPJ<sup>+06</sup>, RG06a, RYT01, SMS01, SHFM01, SM96b, TP96, TT01, TMTR14, TLW<sup>+94</sup>, WPLN96, WMS<sup>+96</sup>, WB96, WBBM01, WBML06, WBI<sup>+01</sup>, WOU06, YO96]. **Banks** [DPK<sup>+14</sup>, DKP<sup>+14</sup>, PDK<sup>+14</sup>, DMS<sup>+10</sup>, SMD06]. **Banzare** [WMP<sup>+11</sup>]. **Baranof** [SBK<sup>+16</sup>]. **Barbara** [GBG15, KTL<sup>+00</sup>, MPB<sup>+18</sup>, OS04, Thu98]. **barbatus** [CBK<sup>+22</sup>]. **barcode** [ABE<sup>+11</sup>, BOJ<sup>+10</sup>, JBOH10]. **Barcoding** [DLB<sup>+11</sup>, OBPY10, BHK<sup>+10</sup>, HNS<sup>+11</sup>, WBCB06]. **Barents** [PTP09, PKA95, AI09, CZP<sup>+08</sup>, CDRA08, DEJ08, DYEJ08, HK08, KBE<sup>+04</sup>, LSHB09, LD07, MA09, MR08, NVBJ08, ODR<sup>+09</sup>, PAR<sup>+08</sup>, RRWR08, RMC<sup>+08</sup>, RWRS08, SEN<sup>+95</sup>, SNW08, SESS08, TRH<sup>+08</sup>, TOSH08, WCB08, YD09, Ynd09, ZCP<sup>+08</sup>, ZNPR09]. **Barite** [HZMH07, PG07]. **Barite-forming** [HZMH07]. **Barium** [DJS<sup>+08</sup>, GF97, DSO<sup>+97</sup>, DC96, NISG05, PHS<sup>+17b</sup>]. **Barkley** [JMM<sup>+13</sup>]. **Barnard** [RMBW07]. **Baroclinic** [PN93, AGHS04, KAW<sup>+16</sup>, LH08, LBB11, SHA04]. **barotropic** [AGHS04, KAW<sup>+16</sup>, SJL05]. **barred** [WYL<sup>+20</sup>]. **barriers** [BHC<sup>+17</sup>, GGI03, YSC<sup>+20</sup>]. **Barrow** [LMM<sup>+17</sup>, LRDS18, OACA19, PNL<sup>+19</sup>, PPL<sup>+19</sup>, RLB<sup>+18a</sup>, SP19b]. **base** [BBS<sup>+20</sup>, NCSB<sup>+98</sup>]. **Based** [SSH<sup>+11</sup>, AH17, ALH<sup>+01</sup>, Arm06, BCBB12, BLBW<sup>+11</sup>, BSN18, BJP<sup>+22</sup>, BGMH01, CDCC03, CDM23, CC03, DIM<sup>+12</sup>, DGT<sup>+17a</sup>, DFMW13, DW15b, Eks07, EHB19, EMV09, GMC18, GSC<sup>+19</sup>, GKB19, GAHD<sup>+17</sup>, HLC<sup>+16</sup>, HPH<sup>+16</sup>, HIN<sup>+02</sup>, HXC<sup>+22</sup>, HAD19, ITM<sup>+12</sup>, ITK<sup>+16</sup>, JBOH10, JDL<sup>+22</sup>, JBD<sup>+09</sup>, KOS<sup>+16</sup>, KR11, KY17, KHT<sup>+20</sup>, LXWC21, LPM<sup>+19</sup>, LCL<sup>+10</sup>, MGJ<sup>+18</sup>, MDTS08, MPH<sup>+16</sup>, MARFP08, MBMGK08, MRM<sup>+12</sup>, MLG<sup>+04</sup>, NKE11, NAT<sup>+12</sup>, NGF09, NHS<sup>+13</sup>, OTNT05, PCT18, PTD<sup>+17</sup>, PJLO<sup>+17</sup>, PCP<sup>+17</sup>, PFAZL09, QQJ<sup>+21</sup>, ROPB03, RSB<sup>+17</sup>, RSW<sup>+13</sup>, RTC<sup>+07</sup>, RDSA<sup>+21</sup>, SIA<sup>+05</sup>, STJ<sup>+08</sup>, SAA<sup>+17</sup>, Sch02a, SNMH18, SLP<sup>+09</sup>, STP<sup>+16</sup>, SVS<sup>+20</sup>, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, TSS<sup>+02</sup>, TCM<sup>+22</sup>, TT05, TTU01, TSSR20, TdFAL19, TTL<sup>+16</sup>, VSGGPR14, VvdLS11, WMH<sup>+07</sup>, WZC<sup>+19</sup>, WLC99, WCL<sup>+15b</sup>, WPFB11, ZQ97, ZHM<sup>+24</sup>, ANL13, CTW<sup>+20</sup>, GDD<sup>+09</sup>, PBG<sup>+10</sup>]. **Baseline** [MAH<sup>+12</sup>, CM99b, HRM<sup>+18</sup>, MPB<sup>+18</sup>]. **baselines** [LGP<sup>+15</sup>]. **Basin** [Ano96f, Ano05b, ASV18, BSM01a, BTP<sup>+18</sup>, CSG<sup>+15</sup>, CHL<sup>+95</sup>, DLL<sup>+15</sup>, Gol18, GH05, GHS09, GC18, HAH<sup>+01</sup>, HB19, MB18, MML06, MW05b, MTMK<sup>+13</sup>, MPB<sup>+18</sup>, NRH<sup>+06</sup>, OGG<sup>+20</sup>, PUP<sup>+07</sup>, PFAZL09, SBQ<sup>+02</sup>, Sot09, Thu98, ZT00, ZB00, ACBV<sup>+18</sup>, BMD<sup>+17</sup>, BGS09, CKH<sup>+05</sup>, CHN<sup>+10</sup>, DM16a, DC08, DKP<sup>+17</sup>, EFR<sup>+19</sup>, Ell93, GKH<sup>+07</sup>, GBP<sup>+13</sup>, GHD<sup>+18</sup>, HC05, HBV19, HBVG20, HBVG22, HWJ20, IFFGL<sup>+04</sup>, iTT<sup>+15</sup>, KM05a, KK20, KMO09, LMS09, MGE13, Mar13, PNLFS02, PNLFS03, SVKT20,

SMG<sup>+07</sup>, WC06a, YHK15, DSW20, ABG<sup>+20</sup>, AZK<sup>+20</sup>, AFM93, AHK99, ALT<sup>+13</sup>, AKHR<sup>+20</sup>, BW93, BN04, BIH10, Bor01, BCP<sup>+15</sup>, BLP<sup>+15</sup>, BRSB16, CHW<sup>+12</sup>, CB00b, DB05, DH97, DZL<sup>+17</sup>, DQSF02, EMV09, FSM93, FKW01, GBG15, GBO01, GMC<sup>+12</sup>, HKR<sup>+01</sup>, HZL<sup>+12</sup>, HFM<sup>+02</sup>, HO99, JSP<sup>+17</sup>, KNK15, KWA<sup>+20</sup>, KME18, KKK<sup>+17</sup>, KTL<sup>+00</sup>, KHL<sup>+01</sup>, KVPK20]. **Basin** [Kos01, KFW01, KH10, KWH<sup>+05</sup>, KHH<sup>+17</sup>, LF07, Led93, LWL<sup>+16</sup>, LKTS01, MWS<sup>+15</sup>, MBI<sup>+10</sup>, MA18a, MF93a, MySHD01, MAR<sup>+17</sup>, MWW<sup>+05</sup>, MKKF18, MKVT<sup>+04</sup>, MSBS01, ÖHÜ<sup>+93</sup>, PG97, PPRLO2, PVRA07, RBA<sup>+01</sup>, RWG93, RSN01, SMB<sup>+93</sup>, SdS01, SA18, SLM<sup>+20</sup>, SSI19, SM01, STWW01, TSP<sup>+18</sup>, TTW<sup>+05</sup>, TCG<sup>+18</sup>, ULH<sup>+21</sup>, WWL02, WEB93, Wea93, Wei15, dSSB<sup>+01</sup>]. **Basin-scale** [HAH<sup>+01</sup>, NRH<sup>+06</sup>, SMG<sup>+07</sup>]. **Basin-wide** [DLL<sup>+15</sup>, MW05b]. **Basins** [DLHH11, CRS<sup>+19</sup>, GK16, KMK<sup>+20</sup>, KMKA20, LVJC17, MS11, PVK<sup>+20</sup>, SvdLM95, SKKM20, SJA<sup>+97</sup>, TKP<sup>+20</sup>, vCHM18, VVTM97]. **Basinwide** [DSC<sup>+01</sup>]. **basis** [Tho04]. **bassana** [GMD07]. **batch** [MNB02]. **batch-culture** [MNB02]. **Bathyal** [BJA13, CSCP13, CLJ<sup>+13</sup>, FS14, LAJP13, PP13, ARB<sup>+13</sup>, BGB08, CC13, CBW01, Dau18, DND04, EGMB13, GM22, GBBS00, Gri13, HSR<sup>+22</sup>, HTD13, JT07, Kam13, KCM<sup>+14</sup>, KPBK08, LG98, LBB<sup>+07</sup>, LPS14, Mar18, MCD<sup>+09</sup>, PHS17a, PRSS23, RJT11, SW09]. **bathyal-abyssal** [Dau18]. **Bathycallisoma** [LMLJ18]. **Bathyonchoecetta** [CB18]. **Bathylagus** [LZL<sup>+22</sup>]. **Bathymetric** [MC15, PC98, RE98, RHM13, CLW<sup>+23</sup>, CSF<sup>+12</sup>, GJ11, MBMM<sup>+99</sup>, OBKA17, QSA<sup>+09</sup>]. **Bathymetry** [PS03, Bol08, MP94, RCF<sup>+08</sup>, RKB18, SC10, ZDO19]. **bathypelagic** [BHS<sup>+10</sup>, CHN<sup>+10</sup>, GD07, KSS00a, LTG<sup>+09</sup>, NTA<sup>+10</sup>, OGBF08, RSR10, SNS10, YLD09]. **BATS** [Ano96g, BMK96, CRR01, DGN96, GOP<sup>+01</sup>, KM96, MHS01, OLG<sup>+01</sup>, SCB<sup>+01</sup>, SMB03, AL13, HBCO01, HA96, Lip01, SMA01]. **Bay** [ARW<sup>+04</sup>, ADG<sup>+08</sup>, BLO<sup>+17</sup>, CHM<sup>+17</sup>, CCZ<sup>+21</sup>, CLW<sup>+23</sup>, CMW<sup>+08</sup>, CWJ99, CDT11, DDLK06, DTP<sup>+05</sup>, DWHM06, FJF<sup>+11</sup>, FMS08, FS14, GBDM<sup>+14</sup>, GSF<sup>+19</sup>, GSF<sup>+20</sup>, HLR<sup>+09</sup>, HWTN22, HVBO08, HBO11, JCP<sup>+22</sup>, KL06, KKD06, KC00, KD00, LBM<sup>+17</sup>, LPS14, MDTS11a, MMTT<sup>+20</sup>, MBW<sup>+08</sup>, MLH<sup>+22</sup>, NKA<sup>+11</sup>, OC00, PLRV22, PC00, PC18, PEC<sup>+04</sup>, PKA05, RAC<sup>+20</sup>, RLP<sup>+98</sup>, RCF<sup>+08</sup>, RBS<sup>+17b</sup>, SRS<sup>+20</sup>, SHD<sup>+14</sup>, SFW08, SRC98, SJD<sup>+11</sup>, SAB<sup>+07</sup>, TDKA05, UPS04, WCD<sup>+09</sup>, WDKC00, ZHY<sup>+13</sup>, TMC<sup>+14</sup>, ZGW<sup>+23</sup>, AML<sup>+19</sup>, ARWM13, Ake19, AGGdC14, AVS<sup>+20</sup>, AHV<sup>+17</sup>, BSMV03, BLO04, BH99a, BPF<sup>+03</sup>, BS21, BFG<sup>+10</sup>, BMT20, CFR<sup>+14</sup>, CFL<sup>+99</sup>, CMP14, CCP<sup>+18</sup>, CRF04, Cha03, CRP<sup>+05</sup>, CWL<sup>+23</sup>, DAKR20, DHCV19, DGP20, DT08, EHB19, EWP<sup>+99</sup>, EEAA<sup>+19</sup>, ERB<sup>+99</sup>, ER05, FGF<sup>+14</sup>, FCP99, GSP14, GMR<sup>+05</sup>, GLM04, GSM<sup>+20</sup>, GGT<sup>+02</sup>, HdVGHM02, HHH<sup>+14</sup>]. **Bay** [HdMR<sup>+99</sup>, HKFL03, HTW14, HCG19, IDSM04, IKQU03, JLM20, JRKR19, JCP05, JMW<sup>+20</sup>, JWCC99, KWF<sup>+19</sup>, KCA05, KSB<sup>+03</sup>, KVL<sup>+19</sup>, KDSR19, LCD<sup>+24</sup>, LUV99, LFPC14, LAB<sup>+17</sup>, LCL<sup>+22</sup>, MGR<sup>+03a</sup>, MDTS11b, MPH<sup>+05</sup>, MLH14, MDSA19, MSB<sup>+03</sup>, NSKG96, NWZL23, PCT18, PLRV22, PDT11a, PS20, PLA<sup>+17</sup>, PS19, PLPS98, Pin93, PGS14, PWJF20, PFW<sup>+20</sup>, PPM02, PP20, PSWF19,

RH99, RDL<sup>+09</sup>, RHPC<sup>+19</sup>, RRS<sup>+98</sup>, RSSM19, RBCG10, SSSN19, SP19a, SSSC19, SLP<sup>+09</sup>, SGJ<sup>+20</sup>, SP09, SRA<sup>+09</sup>, SGI<sup>+19</sup>, SWDB<sup>+14</sup>, SMS03, Sor99, SE14, UIS<sup>+03</sup>, VLSS<sup>+04</sup>, VJP<sup>+10</sup>, VMB17, VDS<sup>+20</sup>, VLP<sup>+17</sup>, WMB<sup>+08</sup>, WTJ<sup>+19</sup>, Yu03, ZZP04, dLC<sup>+14</sup>, dMCNC99, vdBGM<sup>+17</sup>]. **Bay/California** [HLR<sup>+09</sup>]. **Bayesian** [KG20, Pas18, PFAZL09, SVS<sup>+20</sup>]. **be** [CHG15, EBG<sup>+15</sup>, KBB07, OSM<sup>+20</sup>, AFB<sup>+94</sup>, CAFK03b, CLGM05, YKS03]. **beaches** [LMH<sup>+18</sup>]. **beaked** [BCT21, RAT<sup>+13</sup>]. **Beam** [CGR<sup>+96</sup>, CWD<sup>+10</sup>, DBBWH20, DO96, MP94, NCSB<sup>+98</sup>, SWR<sup>+95</sup>]. **beamforming** [MT98]. **bearded** [CBK<sup>+22</sup>]. **bearing** [AS01a, CC13, LCK<sup>+18</sup>, NCK<sup>+22</sup>, OCG<sup>+09</sup>, PBVC<sup>+16</sup>]. **Beaufort** [AGP05, BHMC05, BBH05, CMV<sup>+20</sup>, EGG<sup>+05</sup>, FNS20, Gra09, HCS05, LGC<sup>+12</sup>, LPM<sup>+19</sup>, LFC16, OCP18, PCAS05, PPF<sup>+15</sup>, CMNO23, DB05, GNB<sup>+17</sup>, LRDS18, MSM10, SFH<sup>+18</sup>, WDM<sup>+05</sup>, WCC05]. **Béchervaise** [NCR<sup>+08</sup>]. **bed** [HvH04, LB14, Zim09]. **Bednarsek** [PTMH16]. **beds** [BBS<sup>+20</sup>, KBFH14]. **Before** [Joy16, JR04, ULTL16]. **Behavior** [ANI09, RZL<sup>+10</sup>, BCF<sup>+04</sup>, BHBC08, CHPF10, CW97, CP05, DFMW13, EWG94, NSBL94, PP13, RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>, RQNO04, RG06a, RG06b, SMA<sup>+17</sup>, TLW<sup>+94</sup>, TT17, VF08, WAN<sup>+15</sup>, ZWQ<sup>+19</sup>, ZD04]. **Behavioral** [PCL22, SM12, SFMG13, MT98, VALW23]. **Behaviors** [KPML20, NOT<sup>+09</sup>, TMH<sup>+08</sup>, TNS<sup>+09</sup>]. **behaviour** [ATM<sup>+07</sup>, BCE<sup>+07</sup>, BFDB17, BGOL01, CRS<sup>+19</sup>, CW15, ELP13, EPHE18, GMD07, GSPT13, GJC98, HAGW<sup>+13</sup>, KKM<sup>+10</sup>, KYS94, KBR18, MBTM97, PBD<sup>+02</sup>, RAR04, RTC<sup>+07</sup>, RCKCK07, TCEW07, UGSK<sup>+20</sup>, WH01a, WMB<sup>+08</sup>, WLR<sup>+00</sup>, YKN07]. **Behavioural** [MCB<sup>+15</sup>, WHLR13]. **behaviours** [FKW01]. **behind** [AGL<sup>+19</sup>]. **Belgica** [LDBvdB17, WLA11]. **Belief** [Pas18]. **Bellingshausen** [Ano95b, PAM<sup>+04</sup>, SMS<sup>+08</sup>, WLA11, Ald95, AS95, BTR95, BRSIW95, BES95, BOP95, Cri95, Kyt02a, LTW<sup>+11</sup>, MAH<sup>+12</sup>, MWB95, OCKA<sup>+11</sup>, PRA<sup>+95</sup>, RAF<sup>+11</sup>, RHB<sup>+95</sup>, SHGB95, SRF95, TO95, TOP95, WAPL95, WGR<sup>+95</sup>, WPW95, XAY<sup>+11</sup>]. **Belt** [OSCS04]. **Beluga** [SFH<sup>+18</sup>, EF98, SCGB18]. **belyaevi** [SC15]. **benchmark** [XA09]. **beneath** [ADBW16, APP<sup>+14</sup>, BW99b, HSM11, LGML00, SvdMC<sup>+16</sup>, SHM<sup>+11</sup>]. **benefit** [WTT<sup>+20</sup>]. **Bengal** [Ake19, EHB19, GSF<sup>+19</sup>, GSF<sup>+20</sup>, AML<sup>+19</sup>, AVS<sup>+20</sup>, BSMV03, BPF<sup>+03</sup>, BS21, BMT20, Cha03, CRP<sup>+05</sup>, DAKR20, DGP20, GMR<sup>+05</sup>, GSM<sup>+20</sup>, GGT<sup>+02</sup>, HKFL03, HCG19, IKQU03, JLM20, JRKR19, JMW<sup>+20</sup>, KWF<sup>+19</sup>, KSB<sup>+03</sup>, KVL<sup>+19</sup>, KDSR19, MGR<sup>+03a</sup>, MDSA19, MSB<sup>+03</sup>, NSKG96, PLRV22, PS20, PS19, PWJF20, PFW<sup>+20</sup>, PP20, PSWF19, RAC<sup>+20</sup>, RSSM19, SSSN19, SP19a, SSHB03, SSSC19, SGJ<sup>+20</sup>, SMS03, SAB<sup>+07</sup>, UIS<sup>+03</sup>, VDS<sup>+20</sup>, WTJ<sup>+19</sup>, Yu03]. **Benguela** [GBP00, RG03, SGD<sup>+14a</sup>, SCGDU09]. **Bentart** [Can06]. **Benthic** [AAG02, BGB08, BG94, BN04, BJSH14, CR06, Can06, CDRA08, CL09, DDB<sup>+97</sup>, DJC<sup>+14</sup>, EWP<sup>+99</sup>, Har11, HBT<sup>+08</sup>, IBD10, KCZ<sup>+19</sup>, KGB16, KRHS20, MBI<sup>+10</sup>, MS09, MFG<sup>+04</sup>, Pfa93, PHK<sup>+14</sup>, QSA<sup>+09</sup>, RWG93,

SMCA01, VSR<sup>+10</sup>, WLM23, vWDB<sup>+01</sup>, AKI<sup>+16</sup>, BGS98, BS98, BB98, BAD<sup>+97</sup>, BW99a, Bla94, BMOW09, BBR<sup>+18</sup>, BFM<sup>+14</sup>, BSP00, BNKJ23, BEZ<sup>+22</sup>, BVB14a, BDG<sup>+04</sup>, BVB<sup>+14b</sup>, BW14, BFS<sup>+17</sup>, CMP14, CDM23, CB18, CBW01, CBS<sup>+01</sup>, CRM<sup>+16</sup>, CSG<sup>+13</sup>, CG04, CKB<sup>+07</sup>, DGN<sup>+17</sup>, DC08, DCR94, DFA<sup>+20</sup>, DGS<sup>+05</sup>, DGT14, FHT<sup>+14</sup>, Gag04, GMR<sup>+09</sup>, GCCG13, GBSL98, GGT<sup>+02</sup>, GRSW00, GHM02, GSB<sup>+03</sup>, GG02, HDK08, HDR<sup>+11</sup>, HT17, HDF<sup>+01</sup>, HZS00, HSM<sup>+01a</sup>, Hil94, HRM<sup>+18</sup>, HWS<sup>+13</sup>, HSC<sup>+07</sup>, JBD<sup>+09</sup>, KPML20, KCTG16, KBKW13, KCY<sup>+16</sup>, KMA<sup>+18</sup>, KSS<sup>+00b</sup>, LEP14, LWM<sup>+09</sup>, LBE06, LCT<sup>+07b</sup>, LRDS18, LT03, LWGS00, Lut09, MRRG23]. **benthic** [MMS<sup>+16</sup>, MC18a, MSD<sup>+18</sup>, MGK19, MSJS08, MGK<sup>+17</sup>, MKH<sup>+05</sup>, MR08, MB08, NCSB<sup>+98</sup>, PDK<sup>+14</sup>, PHS17a, PSK00a, PGPP<sup>+13</sup>, PBO<sup>+11</sup>, PDTS08, RBA<sup>+01</sup>, RdGM<sup>+09</sup>, RMC<sup>+08</sup>, RSN01, RLG07, RPZ<sup>+14</sup>, SSSN19, SCD14, SNPS01, SS09, SKdS<sup>+14</sup>, SBD<sup>+97</sup>, SHM<sup>+20</sup>, SHM<sup>+01</sup>, SLZ<sup>+16</sup>, SSR<sup>+14</sup>, SP06, SBS<sup>+08</sup>, SNK07, TDCV<sup>+06</sup>, WHF<sup>+19</sup>, WWC<sup>+19</sup>, WACGH11, Wil08, WGMC14, WTA<sup>+18</sup>, WP00, WSB<sup>+09</sup>, WZB<sup>+14</sup>, XSM<sup>+19</sup>, Sor99]. **benthic-pelagic** [CBS<sup>+01</sup>]. **bentho** [CA06b, DBBWH20, SMD06]. **bentho-pelagic** [CA06b, DBBWH20, SMD06]. **Benthocometes** [GPCC<sup>+17</sup>]. **benthopelagic** [CM00, CMH09, PCP<sup>+17</sup>]. **Benthos** [BHMK08, RK08, SJD<sup>+11</sup>, CA06b, CLGM05, DSD12, JMM<sup>+13</sup>, MBP<sup>+20</sup>, SL94, GG02]. **Benthoosema** [WL20]. **berglax** [PK08]. **Bering** [CSE<sup>+22</sup>, CCL<sup>+14</sup>, CCS<sup>+16</sup>, CHH<sup>+21</sup>, CBSS02, DTWF17, DKZP16, ENM<sup>+16</sup>, GCCG13, HCAK17, KKSA19, LS12, Lin16, LWJR22, LMC<sup>+12</sup>, MG22, MiSW08, MSRM08, RKM23a, RD02, SKS<sup>+16</sup>, SSSA13, SH02, SDK<sup>+16</sup>, SWSL14, SWG14, VSM17, WSB13, ZFP<sup>+16</sup>, AM22b, ATJ05, Ala22, AP22, ASF<sup>+16</sup>, ATN<sup>+12</sup>, AKI<sup>+16</sup>, AM07, BDR16, BH14, BFD<sup>+23</sup>, BZ20, BMK<sup>+13</sup>, Blo02, BA02, BEZ<sup>+22</sup>, BZMC20, BWC<sup>+02</sup>, BOKA16, CHW<sup>+12</sup>, CAS<sup>+16</sup>, CMNO23, CG07, CP22, CDRB16, CMC<sup>+05</sup>, Cok16, CKS05, CLPL<sup>+09</sup>, CJF<sup>+12</sup>, CSG<sup>+13</sup>, CGG<sup>+19</sup>, CP02, CBK<sup>+07</sup>, CKB<sup>+07</sup>, CPEN08, CBK<sup>+22</sup>, CMB12, CML<sup>+14</sup>, DF16, DEL<sup>+17</sup>, DAA<sup>+20</sup>, DSD12, DDAH<sup>+14</sup>, DC12, DGK<sup>+22</sup>, DABF<sup>+16</sup>, ENM<sup>+14</sup>, EGL<sup>+16</sup>, EZB<sup>+20</sup>, EBG<sup>+22</sup>, ESWL20, ESDM13, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, FBB<sup>+13</sup>, FHAH16, FMC<sup>+20</sup>, FJR<sup>+20</sup>, FWZM12, FZW<sup>+13</sup>, FAMY20, GEP<sup>+16</sup>, GdRGH<sup>+14</sup>, GGC19, GM22, GLSK<sup>+17</sup>, GBC<sup>+05</sup>, HPS<sup>+13</sup>, HPL<sup>+12</sup>]. **Bering** [HS13, HSFN13, HSHM02, HGB<sup>+13</sup>, HGB<sup>+16</sup>, HKC<sup>+21</sup>, HRS<sup>+23</sup>, HH20, HBC<sup>+12</sup>, HHH<sup>+22</sup>, HWS<sup>+13</sup>, HSW<sup>+02</sup>, HBj02, HSSN08, HRK14, HRG<sup>+16</sup>, HBB<sup>+13</sup>, HON<sup>+13</sup>, Hus16, IS07, ITT12, IOTS16, IKR<sup>+12</sup>, ITK<sup>+16</sup>, JHHK14, KHS<sup>+02</sup>, KT05, KBVM13, KAHS20, KKT16, KAM<sup>+20</sup>, KMO09, KGS23, KIM08, KL13, KLD21, KRLH14, KCL20, Lad14, LGC<sup>+12</sup>, LZZ<sup>+16</sup>, LBM<sup>+20</sup>, LS14b, LSOM16, MHO02, Mac08, MMY<sup>+20</sup>, MCM<sup>+14</sup>, MA09, MDH16, MGC<sup>+14</sup>, MLK<sup>+12</sup>, MFS<sup>+23</sup>, MKD23, MCL<sup>+12</sup>, MHG<sup>+17</sup>, NAT<sup>+12</sup>, NBB<sup>+02</sup>, NHCL14, NCK<sup>+22</sup>, NCE<sup>+23</sup>, NSWY20, NYH<sup>+20</sup>, NBCT13, NBBBT13, NZT97, OHT12, OYM<sup>+13</sup>, OM16, OTNT05, OTA<sup>+05</sup>, OSCS04, OS02, OT12, OAH<sup>+16</sup>, OBA02, OWW<sup>+12</sup>, PHH<sup>+16</sup>, PSHF<sup>+13</sup>, PSUH<sup>+16</sup>, PBVC<sup>+16</sup>,

PCH<sup>+22</sup>, PC08, PSS<sup>+16</sup>, PAUB19, PRSS23, POA<sup>+16</sup>, RS02, RDW<sup>+12</sup>, RTI<sup>+16</sup>, RBO07, RRK<sup>+20</sup>, RKM<sup>+22</sup>, RKM<sup>+23b</sup>, SMZ<sup>+08</sup>, SBM16, SSK<sup>+23</sup>].  
**Bering** [SA18, SSR13, SKS<sup>+23</sup>, SHM13, SZH20, SKR<sup>+12</sup>, SSE<sup>+14</sup>, SNS<sup>+16</sup>, SMB<sup>+17</sup>, SS02, SDAH<sup>+12</sup>, SHR02, SKSW02, SBS07, SFK<sup>+12</sup>, SKM<sup>+12</sup>, SBB<sup>+19</sup>, SGM<sup>+14</sup>, SL12, SHPM14, SF08, SKM<sup>+14b</sup>, SMLS02, SAB08, Tak05, TRO16, TT05, TSOT16, TKF07, TIS<sup>+13</sup>, TTA<sup>+16</sup>, UKM16, UKJ<sup>+20</sup>, VNA<sup>+16</sup>, VCDAL14, WOS12, WBA<sup>+17</sup>, WOM<sup>+16</sup>, WWV12, WWN<sup>+22</sup>, WCS07, YCA<sup>+20</sup>, Zar16, ZWM12]. **beringiensis** [AM22a]. **Bermuda** [Ano96g, BMK96, CRR01, DGN96, MK96, SCB<sup>+01</sup>, ANL13, CFJL96, CRR01, DZY<sup>+01</sup>, DOC01, GOP<sup>+01</sup>, HTD00, HT01, HBCC13, KM96, MHS01, OLG<sup>+01</sup>, RAL<sup>+01</sup>, SWO<sup>+01</sup>, SKM01, SMA01, SMB03]. **beta** [Car07]. **Betamorpha** [RMBW07]. **better** [DLWW23]. **between** [ATM<sup>+07</sup>, Ano97b, Ano05d, AGP05, ASF<sup>+12</sup>, BPD<sup>+11</sup>, BL99, BCBF03, BMK05, BRW00, BKD06, BWAS02, BHSJ16, BGKB06, BKS<sup>+10</sup>, BHS<sup>+10</sup>, CFGR07, CPF<sup>+14</sup>, CFL<sup>+99</sup>, CMT93, CD20, CJF<sup>+12</sup>, CSG<sup>+13</sup>, CBK<sup>+07</sup>, CM01, CBA<sup>+20</sup>, DMFB19, DEL<sup>+17</sup>, DSN<sup>+10</sup>, DONF08, DMW<sup>+07</sup>, DJR<sup>+01</sup>, DJC<sup>+14</sup>, EQW<sup>+13</sup>, FUGG<sup>+09</sup>, GLCU<sup>+17</sup>, GSC<sup>+19</sup>, GSGS01, HBP<sup>+14</sup>, HHMF11, HV98, HSFN13, HGK<sup>+18</sup>, HCG<sup>+09</sup>, HSC<sup>+19</sup>, HWCT11, HD02, JCP05, JRG<sup>+22</sup>, JML08, KNK15, KDU<sup>+10</sup>, KHGL<sup>+02</sup>, KFS<sup>+10</sup>, KSM<sup>+11</sup>, LVJC17, LPZ<sup>+04</sup>, LR97, LMG93, LG98, LW15, LZC<sup>+16</sup>, LW10, LGVK<sup>+14</sup>, LZZ<sup>+16</sup>, LTH05, MDJS11, MGS<sup>+10</sup>, MKB<sup>+10</sup>, MBS05, MCS<sup>+09</sup>, MST<sup>+14</sup>, NRS14, NDG96, OCT<sup>+19</sup>, PBG07, PSK00a, PMM<sup>+94</sup>, PRMM<sup>+17</sup>, RWJ06, RPM07, RW95, RHB<sup>+95</sup>, RNB07, SWR<sup>+95</sup>, SCGDU09, SLT<sup>+11</sup>, SFR<sup>+06</sup>, SRC98, SLP<sup>+09</sup>, SIS<sup>+02</sup>, SH16, SDMS06, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, SZS<sup>+07</sup>].  
**between** [SLB<sup>+15</sup>, JMP<sup>+19</sup>, TDvdE<sup>+10</sup>, UPS04, VRL<sup>+02</sup>, WMS<sup>+96</sup>, WCL<sup>+15b</sup>, YFL<sup>+23</sup>, YD09, YK05, ZJFV15, ZGGF22, ZSB01, vdLBB<sup>+02</sup>, vdMLB<sup>+11</sup>].  
**Beyond** [GAHD<sup>+17</sup>, Phi17, HD17]. **bias** [WCJ<sup>+11</sup>]. **biases** [LWS21].  
**bibliography** [EG96]. **biennial** [MV19]. **Bifurcation** [PUB<sup>+06</sup>]. **bigeye** [DKP<sup>+17</sup>]. **bigger** [MCH<sup>+13</sup>]. **Bight** [Beg18, BWH<sup>+17</sup>, KFF<sup>+94</sup>, PvRR18, WAP<sup>+18</sup>, ARC02, AFB<sup>+94</sup>, ARK<sup>+94</sup>, BBB94, BPM18, BA94, Bis94, BPD<sup>+15</sup>, BY04, CZVR02, CP03, DOBH02, DTB<sup>+02</sup>, DSvR<sup>+18</sup>, EMEP18, EPHE18, FWS94, FHP94, FPW02, FKS18, FBPG18, HRM<sup>+18</sup>, HFP94, LSUB94, MBG18, OGRdO18, Pas18, PHE<sup>+18</sup>, RTFB09, SPF<sup>+94</sup>, VCR02, Wal94a, WAM<sup>+18</sup>, Wir94, vRPD<sup>+18</sup>]. **bights** [PMM<sup>+94</sup>]. **bijuga** [RRS<sup>+98</sup>]. **billed** [TMH<sup>+08</sup>, WTI<sup>+20</sup>]. **billfish** [CWSH20, YHC<sup>+11</sup>]. **billfishes** [LH15]. **Bimodal** [LL14]. **binding** [BBB13, GBL<sup>+08</sup>, Sei13]. **Bio** [Ano07c, BRPI02, FCG18, Fig02, FWM<sup>+11</sup>, HBM<sup>+07</sup>, KGB06, MAA<sup>+04</sup>, MAA<sup>+05</sup>, Pon07, PVT<sup>+21</sup>, RTM<sup>+20</sup>, SWO<sup>+01</sup>, dCHdOF<sup>+18</sup>, AL98, ARLB00, ANS<sup>+11</sup>, BBLs14, DMS<sup>+98</sup>, DNK<sup>+08</sup>, ELP13, HWS<sup>+98a</sup>, IHSS<sup>+10</sup>, JBB<sup>+13</sup>, KMD<sup>+99</sup>, KFS<sup>+17</sup>, KBE<sup>+04</sup>, LBV<sup>+08</sup>, MFH04, NTK<sup>+09</sup>, PTA<sup>+99</sup>, SSI<sup>+99</sup>, SCM<sup>+08</sup>, WMC06, WTSP07, MPS<sup>+21</sup>, PPR<sup>+20b</sup>]. **bio-** [LBV<sup>+08</sup>]. **Bio-Argo** [PVT<sup>+21</sup>, MPS<sup>+21</sup>, PPR<sup>+20b</sup>]. **bio-availability**



[NTK<sup>+</sup>09]. **bio-diversities** [KFS<sup>+</sup>17]. **bio-loggers** [JBB<sup>+</sup>13]. **Bio-logging** [Ano07c, HBM<sup>+</sup>07, Pon07, ELP13]. **Bio-optical** [BRPI02, FCG18, Fig02, FWM<sup>+</sup>11, KGB06, MAA<sup>+</sup>04, MAA<sup>+</sup>05, SWO<sup>+</sup>01, AL98, ARLB00, DMS<sup>+</sup>98, DNK<sup>+</sup>08, IHSS<sup>+</sup>10, KMD<sup>+</sup>99, KBE<sup>+</sup>04, MFH04, PTA<sup>+</sup>99, SSI<sup>+</sup>99, SCM<sup>+</sup>08, WTSP07]. **bio-optics** [BBLS14, HWS<sup>+</sup>98a]. **Bio-physical** [RTM<sup>+</sup>20, dCHdOF<sup>+</sup>18, ANS<sup>+</sup>11, WMC06]. **Bioaccumulation** [BIP<sup>+</sup>02, KSDE16]. **Bioactive** [BLO<sup>+</sup>17, NEN<sup>+</sup>07]. **Bioavailability** [GWZ16, DB05, NKF<sup>+</sup>10]. **bioavailable** [Rai11]. **biochemical** [ABC<sup>+</sup>04, BHS<sup>+</sup>10, CKJ<sup>+</sup>16, CKL03, DM16a, FLLGR04, HJS<sup>+</sup>10, HPL<sup>+</sup>12, JKP<sup>+</sup>17, KJL<sup>+</sup>17, MiSW08, PVK<sup>+</sup>20]. **Biocomplexity** [NL11]. **biodegradability** [BS01]. **Biodegradation** [SKD<sup>+</sup>16, LAPL<sup>+</sup>16]. **Biodiversity** [AFC<sup>+</sup>17, CPA<sup>+</sup>11, DCH04, GLMB18, GBD<sup>+</sup>11, LGBC06, MB13, MCB18, MDC<sup>+</sup>10, NG10, SLdB<sup>+</sup>15, ALSF<sup>+</sup>17, BDG<sup>+</sup>04, BBB<sup>+</sup>07, BE09, BEB11, BM15, CHS17, EMG<sup>+</sup>15, EAB<sup>+</sup>20, GCKC07, GDC11, LMG17, LdSN<sup>+</sup>18, Lut09, MWF<sup>+</sup>19, NG07, OFV09, OPDM11, PGZ<sup>+</sup>09, RE98, RKB18, Rog00, SGB14, SO98, SV09, Sig17, SLM98, TDCV<sup>+</sup>06]. **Bioenergetic** [MBC<sup>+</sup>09b]. **bioenergetics** [DSBS20, KKUK10]. **bioerosion** [BFT10]. **biofilms** [BGCH20, OGG<sup>+</sup>15]. **Biogenic** [BAD<sup>+</sup>97, Cri95, KNB11, QB02, RGTV97, VQ97a, VQ97b, ZWC<sup>+</sup>15, AAMF<sup>+</sup>02, BSB<sup>+</sup>99, BBA<sup>+</sup>01, CAFK03a, CDH<sup>+</sup>00, DURP03, DeM02, DBN<sup>+</sup>11, FBS94, FGW02, FPB04, GRD<sup>+</sup>08, GBP00, HTML98, HML99, HM93, ITK<sup>+</sup>16, JDS<sup>+</sup>08, KBV<sup>+</sup>97, KWW<sup>+</sup>12, KLD21, LGHD20, LSST20, LQF<sup>+</sup>02, MHB<sup>+</sup>95, MDT<sup>+</sup>08, NAB<sup>+</sup>02, NW01, NRM<sup>+</sup>99, PSK00a, RBP<sup>+</sup>94, RSR<sup>+</sup>00, SSH<sup>+</sup>02, SVC<sup>+</sup>08, SVR<sup>+</sup>00, SMCA01, SL94, SNIT02, STD<sup>+</sup>20, SBD<sup>+</sup>97, SAB<sup>+</sup>07, TRWB99, VSR<sup>+</sup>00, WKM<sup>+</sup>07a]. **Biogeochemical** [Ano99a, Ano05c, AMN<sup>+</sup>02b, BMO93, CGG<sup>+</sup>12, CMW<sup>+</sup>05, CW97, CVM<sup>+</sup>01a, CVM<sup>+</sup>01b, DCSV19, GHGMI05, HWC07, JBS<sup>+</sup>10, MGS<sup>+</sup>10, QTPS97, STN<sup>+</sup>09, SDKH03, SHC<sup>+</sup>00, SMB03, TIKS03, ZHX<sup>+</sup>16, BSG<sup>+</sup>11, Bat01, BTFB12, BNM08, BGS<sup>+</sup>08, CM03, CLMK13, CWS<sup>+</sup>23, CL09, DRD06, DZY<sup>+</sup>01, DGR19, DGT14, FML<sup>+</sup>93, Gai97, Gre01, GGSC03, HKR<sup>+</sup>01, HMGD17, HLL<sup>+</sup>10, Hat02b, Hei02, HLM<sup>+</sup>01, JBC<sup>+</sup>21, KHL<sup>+</sup>15, LWLS98, LCS<sup>+</sup>06, LPSS03, LCL<sup>+</sup>10, LBJ<sup>+</sup>13, MGH<sup>+</sup>16, MDTG13, NC97, PMJ20, PLR02, RTFB09, SKM01, SSP<sup>+</sup>06, SH10, SLP<sup>+</sup>17, TVL<sup>+</sup>00, TO95, TCH<sup>+</sup>16, VGZ<sup>+</sup>19, VCG<sup>+</sup>20, WCMB06]. **biogeochemistries** [GMLB99]. **Biogeochemistry** [Bau02, HC01, MGR<sup>+</sup>03a, NG07, WSLC15, XGF18, AF01, BBLS14, Boy02, BG09a, BAR<sup>+</sup>02, CVM<sup>+</sup>01b, CW09, CCFL01, DGK<sup>+</sup>22, DKS03, DWJ<sup>+</sup>15, GAL<sup>+</sup>12, GAL<sup>+</sup>20, JAM<sup>+</sup>14, KGHA<sup>+</sup>01, KGB06, LCvdM<sup>+</sup>16, MSD<sup>+</sup>18, MNPT06, NTA<sup>+</sup>10, NL11, PLS<sup>+</sup>10, PL00, RZS<sup>+</sup>16, RSA<sup>+</sup>10, SM96a, SDB<sup>+</sup>97, SCB<sup>+</sup>01, SBvdL<sup>+</sup>02, VCSM09, WWW<sup>+</sup>02, WKM<sup>+</sup>07c, WRS99]. **Biogeographic** [Wat09, CPF<sup>+</sup>14, PB08, WAP<sup>+</sup>18]. **Biogeographical** [STD<sup>+</sup>20, AM22b, BVB14a]. **Biogeography** [CHG20, JNB17, KB15, PWN<sup>+</sup>11, RLGG07, SO98, BCVCHW04, BTM<sup>+</sup>98, BKS<sup>+</sup>10, GO10, GCKC07, GAJ<sup>+</sup>13, HPN<sup>+</sup>12, HXC<sup>+</sup>22, LGBC06, OA11, TB98].

**biogeography-based** [HXC<sup>+</sup>22]. **Biography** [EG96]. **Biological** [CGG<sup>+</sup>19, DPLB94, Dia04, EMB<sup>+</sup>22, EDF<sup>+</sup>04, ECD<sup>+</sup>17, GMCF19, Hin09, KTP<sup>+</sup>20b, KCO<sup>+</sup>19, LMDW06, MQ01, MPH<sup>+</sup>95, MLS<sup>+</sup>06, MK19, PST<sup>+</sup>05, SID19, SVS<sup>+</sup>20, SBB<sup>+</sup>19, TRM<sup>+</sup>07, AST<sup>+</sup>05, ACFS02, ANS<sup>+</sup>11, ARF<sup>+</sup>13, BNM<sup>+</sup>07, BL99, BLSW05, BB09, BNM08, BCW03, BLD<sup>+</sup>06, BL08, BHS<sup>+</sup>10, CCG04, CHU<sup>+</sup>00, CBSS02, CWTJ03, CPC<sup>+</sup>03, CL09, CJM<sup>+</sup>22, DLR<sup>+</sup>01, Dan95, DSN<sup>+</sup>10, DHS<sup>+</sup>14, DP07, DP99, DGN96, DGT14, DJC<sup>+</sup>14, DC96, ELB<sup>+</sup>02, Eck94, FVSR14, FC01, GMR<sup>+</sup>05, GLF<sup>+</sup>03, GFW07, GHB<sup>+</sup>05, HV98, HBC<sup>+</sup>23, HIA<sup>+</sup>16, HIN<sup>+</sup>02, HKMS03, HBM<sup>+</sup>07, HAD19, JCD<sup>+</sup>03, JAM<sup>+</sup>14, KSBK01, KBVM13, KRG<sup>+</sup>01, KND<sup>+</sup>08, LBSB<sup>+</sup>17, LR97, LBD<sup>+</sup>02, LAP<sup>+</sup>17, LMG17, LDG94, LNDH<sup>+</sup>17, MSF<sup>+</sup>22, MALT05, MBLM03, MKS<sup>+</sup>20, MNR<sup>+</sup>11, MPH<sup>+</sup>16, MFE<sup>+</sup>02, MWB95, NKD<sup>+</sup>08, NPBS00, NW01, NZT97, PBFS06, PWITH15, PWMC01, PPRHLF02, PGK14, RLB<sup>+</sup>18a, RPB02]. **biological** [RB06, RSB<sup>+</sup>17, RD16, SM00, SH99c, SRC98, SNMH18, SFV<sup>+</sup>98, SMSA05, SCQ<sup>+</sup>09, SYB<sup>+</sup>11, TSS<sup>+</sup>02, Tho04, TLMT97, WRZ<sup>+</sup>19, WHNS04, WB96, WBBM01, YHC<sup>+</sup>11]. **biological-physical** [DGN96, LDG94]. **biological/oceanographic** [CHU<sup>+</sup>00, NPBS00]. **biological/physical** [DP99]. **biologically** [CWWB04, FLTV97]. **Biology** [BKPA06, CG15, DCA<sup>+</sup>98, GGTMG<sup>+</sup>10, GGRJD<sup>+</sup>10, MBD<sup>+</sup>17, PDH<sup>+</sup>11, Urb20, CHS17, FARLR<sup>+</sup>13, GTSC08, HSBT19, KP10, LH08, MT11, MEB<sup>+</sup>23, NB10, Phi17, QRE<sup>+</sup>17, ROS<sup>+</sup>17, SCB<sup>+</sup>01, TPW07, VAM97, WYL<sup>+</sup>20]. **Bioluminescence** [MBC<sup>+</sup>09a, HIK<sup>+</sup>08]. **bioluminescent** [GDD<sup>+</sup>09]. **biomagnification** [FHT<sup>+</sup>14, FTT<sup>+</sup>17]. **Biomarker** [LLH<sup>+</sup>15, BNP<sup>+</sup>09, PDS00, SHS<sup>+</sup>12, WPHL02]. **Biomarker-derived** [LLH<sup>+</sup>15]. **biomarkers** [BGG<sup>+</sup>09, FBBW<sup>+</sup>10, SNIT02, WHL<sup>+</sup>97, WLP<sup>+</sup>09, YBHM05]. **Biomass** [GLLC04, HWN<sup>+</sup>04, HKY<sup>+</sup>16, KRB95, LDHI93, MSK<sup>+</sup>06, NMC<sup>+</sup>07, RHB<sup>+</sup>04, TLSY11, VALM17, WDKC00, Ake19, ACBMQ08, AGAB19, ALR<sup>+</sup>14, ASFI02, BMHR08, BPD<sup>+</sup>11, BSK<sup>+</sup>97, Bec97, BWS<sup>+</sup>98, BGB08, BDL<sup>+</sup>14, BSSK<sup>+</sup>08, BL00, BH97, BSL08b, BFS<sup>+</sup>17, BL01b, CTBNL08, CSW<sup>+</sup>17, CLSS15, CAC<sup>+</sup>97, CJF<sup>+</sup>12, CBK<sup>+</sup>07, CPEN08, CBA<sup>+</sup>05, DLLK15, DLR11, Dem04, DC08, DCM<sup>+</sup>99, DB97a, DKI<sup>+</sup>00, ESK06, EGL<sup>+</sup>16, FLLGR04, FMS08, FPB04, FC09, GVW<sup>+</sup>19, GGC19, GS08, GFS99, Gra09, HAH<sup>+</sup>01, HHH01, HZL<sup>+</sup>12, HKN<sup>+</sup>04, HHNK<sup>+</sup>04, HP08, HSZS17, KFG<sup>+</sup>03, KMDW01, KLM<sup>+</sup>02, KMK<sup>+</sup>20, KWW04, KWW<sup>+</sup>12, KSM<sup>+</sup>11, KSS<sup>+</sup>00b, LB07, LAMS<sup>+</sup>01, LDS<sup>+</sup>08, LHD<sup>+</sup>22, LJHAA19, LWSA08, LWAS08, MPZ04, MC05, MPH<sup>+</sup>95, MGHN01, MHS01, MC09, MBMM<sup>+</sup>99, MGK19, MNSMN<sup>+</sup>04, MAT<sup>+</sup>12, MNV<sup>+</sup>20, MPTW11, NMK<sup>+</sup>20, OHK<sup>+</sup>02, PF02, PAVGBG02, Pee97, PHH<sup>+</sup>06, RRMM05, RVJG<sup>+</sup>02]. **biomass** [RVJG<sup>+</sup>05, RWN<sup>+</sup>08, SCD14, SOS01, SBSH99, SBP13, SMHB00, SDKH03, SMS<sup>+</sup>08, SWSL14, SNW08, SPH<sup>+</sup>08, TOSH08, TSW<sup>+</sup>12, TLSW15, TRB98, UKM16, VSGM03a, VSGM03b, VGBGPA02, VFS02, VSS<sup>+</sup>93, WSE<sup>+</sup>16, WMW<sup>+</sup>20, WZW<sup>+</sup>95, WJD<sup>+</sup>00a, WJD<sup>+</sup>00b, WGG98, Yal01, YCA<sup>+</sup>20, YBC<sup>+</sup>17, ZJH08, ZSKL19, ZWJ<sup>+</sup>19, ZXLL10, vC97]. **biomes** [SDB<sup>+</sup>18].

**biomimetic** [AWL<sup>+</sup>09]. **biominerals** [ILWH03]. **BioOptics** [SWO<sup>+</sup>01].  
**Biophysical** [GWR93, SRW<sup>+</sup>10, YSC<sup>+</sup>20, HHD<sup>+</sup>09, HGB<sup>+</sup>13, HGB<sup>+</sup>16, HCG<sup>+</sup>09, JRG<sup>+</sup>22, Rai14, SS05a, SS05b, SHB14, SCH<sup>+</sup>19b, SCH<sup>+</sup>19a].  
**Biopolymer** [TGRB02]. **bioproductivity** [MT15]. **bioregional** [FKS18].  
**Bioregionalization** [HSR<sup>+</sup>22]. **bioregions** [WAV<sup>+</sup>12]. **Biosonar** [RAT<sup>+</sup>13].  
**biosphere** [GFK24, LWWF18]. **biostratigraphy** [Hus16, IOTS16, OSHB07, TSOT16]. **biota** [GFS99, HTPM14, HDF<sup>+</sup>01, MS18, PSK00a, PFG<sup>+</sup>03, SRB<sup>+</sup>11]. **biotag** [BKST13]. **biotic** [JB01, MPB<sup>+</sup>18]. **biotopes** [DHS<sup>+</sup>14, MG22].  
**BIOTRANS** [Pfa93]. **Bioturbation** [GAC<sup>+</sup>02, MMWM00, SKM14a, STWW01, TWG00, CAC<sup>+</sup>97, DCR94, ESDM13, GSW99, MDTS08, PDSS96, SMB<sup>+</sup>98, SLH<sup>+</sup>00, YCT<sup>+</sup>22].  
**biovolume** [CLB13, ZSZ<sup>+</sup>19]. **biramosa** [Gol18]. **bird** [CRI18, JVDH08, KRW03, ZPG14]. **birds** [CTH<sup>+</sup>98, GSK96, HDJP05, MK19, SBA18, YSBH06]. **Birstein** [Mal15].  
**birsteini** [BPKJ15, GMB18]. **Biscay** [CMP14, CWJ99, FGF<sup>+</sup>14, GBDM<sup>+</sup>14, LPS14, Sor99, AGGdC14, BH99a, CFR<sup>+</sup>14, CFL<sup>+</sup>99, EWP<sup>+</sup>99, EEAA<sup>+</sup>19, ERB<sup>+</sup>99, FCP99, FS14, GSP14, GLM04, HHH<sup>+</sup>14, HdMR<sup>+</sup>99, JWCC99, LUV99, LFPC14, LAB<sup>+</sup>17, PLA<sup>+</sup>17, Pin93, PGS14, RH99, SHD<sup>+</sup>14, SGI<sup>+</sup>19, SWDB<sup>+</sup>14, SE14, VLP<sup>+</sup>17, WC01b, WC01a, dLC<sup>+</sup>14, dMCNC99, vdBGM<sup>+</sup>17]. **Bivalve** [Kam18, BBS<sup>+</sup>20, GGC19, MGK19, TMBTS09]. **bivalves** [BLM<sup>+</sup>10, BSW<sup>+</sup>13, CMVS<sup>+</sup>10, GGCM17, Kam13, Kam15, KCD<sup>+</sup>17, Lin04, SW09, YBC<sup>+</sup>17]. **Bivalvia** [SGB14, BBAL<sup>+</sup>20, KKVP15, LVJC17, vCO09].  
**biweekly** [RSSM19]. **Black** [HM06, KBE<sup>+</sup>04, MCK<sup>+</sup>19, CCM<sup>+</sup>20, EWF<sup>+</sup>18, HZWW16, KFTE14, LAÁ<sup>+</sup>14, RVC<sup>+</sup>13a, ROS<sup>+</sup>17, VM13, WSP19, CBBM12, ÇYFB<sup>+</sup>06, ÇYAYT06, ESK06, GLK<sup>+</sup>06a, GLK<sup>+</sup>06b, KFK06, KMLT06, KOR06, MQD06, Mur06, OE06, POI17, RTC06, UFAK06, Uys06, WYPY06, YCD<sup>+</sup>06, YET06, YÇYTKB06]. **black-footed** [WSP19]. **black-legged** [VM13]. **Blake** [SS99a, WMB<sup>+</sup>13]. **Blanco** [BPS00, vGTG<sup>+</sup>00]. **Blanes** [AFC<sup>+</sup>17]. **bleaching** [SYK<sup>+</sup>13]. **Bleeker** [SNH<sup>+</sup>23, SWK<sup>+</sup>23]. **Bligh** [NHH<sup>+</sup>13]. **block** [FR10, MP94]. **Blocking** [SWO10]. **Blood** [Sei13]. **Bloom** [DMJ93, GG93, LDFS93, PLS07, ARLB00, APL<sup>+</sup>23, AKM<sup>+</sup>05, AS95, BBLS14, BEGC04, BMGF93, BCDV02, BFG<sup>+</sup>10, BM07, BFK<sup>+</sup>14, BL01b, BNFS01, BAR<sup>+</sup>02, CTBNL08, CGM<sup>+</sup>07, CCS<sup>+</sup>16, CKJ<sup>+</sup>16, CWS<sup>+</sup>23, CFL<sup>+</sup>16, CCH95, DD95, DKGT04, DH93, DKQ<sup>+</sup>93, DCC<sup>+</sup>01, FD01, FS02, FBPC01, GWR93, GSB<sup>+</sup>23, HBSL01, HOD<sup>+</sup>09, HHH<sup>+</sup>93, HKY<sup>+</sup>16, IGN<sup>+</sup>10, IHSS<sup>+</sup>10, IPH<sup>+</sup>17, JCF<sup>+</sup>06a, JCF<sup>+</sup>06b, JBM<sup>+</sup>08, KAHS20, KYI10a, KYI10b, KUN10, KIN<sup>+</sup>10, KMO<sup>+</sup>10, KS10, LS14a, LMG93, LDHI93, LL95, LYN<sup>+</sup>13, LDGH16, LHZJ13, LXS<sup>+</sup>13, LSS<sup>+</sup>07, MSF<sup>+</sup>22, MH93, MFG<sup>+</sup>93, MLH14, MMT08, MSH<sup>+</sup>07, MHP<sup>+</sup>07, MZR<sup>+</sup>95, MSTT07, MKS<sup>+</sup>02, NKF<sup>+</sup>10, NSY04, NRS14, NKB95, NED09, OM14, OCL<sup>+</sup>08, OE06, OHS10, OT10, OS02, ORFA<sup>+</sup>14, PSA14, PA95, PVRA07, RWR<sup>+</sup>02, RMC<sup>+</sup>93, RWZ<sup>+</sup>02, RMPI<sup>+</sup>17, STN<sup>+</sup>06, SLS<sup>+</sup>07, SVC<sup>+</sup>08, SF10, SVS93, SSLA95, SLT<sup>+</sup>14, SPB<sup>+</sup>14,

SMGB02, SMGB03, SFB16]. **bloom** [SDLZ13, SKH<sup>+10a</sup>, TS93, TFR<sup>+10</sup>, TSN<sup>+06</sup>, VPA<sup>+20</sup>, VKGP<sup>+11</sup>, VPP07, VSS<sup>+93</sup>, WCH<sup>+93</sup>, WGR<sup>+95</sup>, WABW02, WLD<sup>+06</sup>, WTZ02, WLH<sup>+16</sup>, Wya14, YOK<sup>+10</sup>, YOO<sup>+10</sup>, YK04, YOI<sup>+09</sup>, ZZX<sup>+13</sup>, vdLBB<sup>+02</sup>, BFF<sup>+10</sup>, KCMA05, RFB97]. **bloom-forming** [SKH<sup>+10a</sup>]. **bloom-recurrent** [BFG<sup>+10</sup>]. **Blooms** [Ano05a, KCA05, AMvD<sup>+12</sup>, AGPR95, AKK<sup>+14</sup>, APP<sup>+14</sup>, BLB<sup>+02</sup>, CMBPM04, DLG<sup>+14</sup>, DRD06, DVS<sup>+97</sup>, DPS<sup>+14</sup>, DTP<sup>+05</sup>, GAL<sup>+12</sup>, GAL<sup>+20</sup>, HK08, HKO<sup>+17</sup>, JLR<sup>+13</sup>, LLK05, LvDA14, LPM<sup>+15</sup>, LG15, MPS<sup>+21</sup>, MTK<sup>+14</sup>, OS04, PTD<sup>+14</sup>, PGS14, PSAY20, RBMY14, SAVP12, SSE<sup>+14</sup>, SMSA05, SNW08, SBH<sup>+01</sup>, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, TSZT13, TAL<sup>+12</sup>, TPT05, TMTR14, TB05, TDKA05, VABCR<sup>+24</sup>, YNG<sup>+16</sup>, ZAC<sup>+15</sup>, ZZZ<sup>+16</sup>, ZXH<sup>+13</sup>]. **blowout** [HSB<sup>+16</sup>, Joy16, JBÖ<sup>+16</sup>, LAPL<sup>+16</sup>, WPB<sup>+16</sup>, YNG<sup>+16</sup>]. **blubber** [FPHH<sup>+09</sup>]. **Blue** [BCB<sup>+18</sup>, FRH<sup>+98</sup>, BRG17, BOH<sup>+04</sup>, ECM<sup>+06</sup>, MGJ<sup>+18</sup>, ŠHW<sup>+04</sup>, ŠH11b, TSSR20]. **Bluefin** [KHT<sup>+20</sup>, BFDB17, EMEP18, EPHE18, GLCU<sup>+17</sup>, HHMF11, IABR<sup>+17</sup>, KOT<sup>+20</sup>, NDD<sup>+14</sup>, PHE<sup>+18</sup>, RSB<sup>+17</sup>]. **bluntnose** [CW15]. **BNL** [BSP00]. **Board** [Ano17f, Ano17g, Ano17h, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, DB16, BM15, HZK<sup>+05</sup>, Ano93a, Ano94a, Ano95a, Ano96e, Ano97a, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano24b, Ano24c, Ano24d]. **Bodega** [DDLK06, DWHM06, KL06, KKD06]. **Bodies** [Bro19]. **Body** [BZMC20, LBE06, MCBC08, DKP<sup>+14</sup>, GEP<sup>+16</sup>, RE98, VM13]. **Bohai** [NLS<sup>+10</sup>, XZM<sup>+23</sup>]. **boiling** [BAC<sup>+02</sup>]. **boiling-water** [BAC<sup>+02</sup>]. **bomb** [DTB<sup>+02</sup>, KMS<sup>+02</sup>]. **bombs** [KCTG16]. **Bone** [ALSF<sup>+17</sup>, ACD<sup>+17</sup>]. **Bone-eating** [ALSF<sup>+17</sup>]. **bones** [QRE<sup>+17</sup>]. **boobies** [YKN07]. **border** [YLG<sup>+18</sup>]. **Borderland** [HZMH07, WCK<sup>+18</sup>, HHH<sup>+15</sup>]. **boreal** [DSW20, PFPJ<sup>+09</sup>]. **boreal/Arctic** [DSW20, PFPJ<sup>+09</sup>]. **borealis** [AI09, MHM<sup>+14</sup>, NA09]. **Boreogadus** [CMNO23, CSS<sup>+22b</sup>, DTWF17, EG0022, HTPM14, HCAK17, MEB<sup>+23</sup>, ODR<sup>+09</sup>]. **Börje** [EG96]. **Bornholm** [BRSB16]. **Boston** [MS09]. **both** [HHKH<sup>+04</sup>]. **bottle** [LLB<sup>+00</sup>, LCL<sup>+09</sup>, SGP<sup>+11</sup>, TRM<sup>+15</sup>, ZOB<sup>+96</sup>]. **bottles** [GRC<sup>+03</sup>, SHF<sup>+95</sup>]. **Bottom** [ACSG15, DGN<sup>+17</sup>, GZGH22, GMS<sup>+02</sup>, LB93, NGS<sup>+15</sup>, PHOM09, PG97, SFW<sup>+13</sup>, ABS<sup>+14</sup>, BN05, BRSB16, CBCT09, CIMT19, CMH<sup>+20</sup>, DPK<sup>+14</sup>, DBDT03, DBL<sup>+19</sup>, EBG<sup>+11</sup>, EWP<sup>+99</sup>, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, GBG15, HB03, HMLS<sup>+06</sup>, HTM<sup>+03</sup>, HHR<sup>+08</sup>, IMP<sup>+02</sup>, KM98, KL13, LNJ<sup>+00</sup>, Led93, LWC05, LSM96, LAT<sup>+18</sup>, MPV<sup>+11</sup>, MISC<sup>+02</sup>, MCM<sup>+14</sup>, MAK<sup>+16</sup>, MDTs08, MHK<sup>+03</sup>, NC97, PR05, RVD<sup>+10</sup>, SHA02, SKGD14, SMS20, SS99a, SL12, TWL<sup>+15</sup>, TIS<sup>+13</sup>, WCB98, ZWM12, ZDA<sup>+16</sup>, KNK15].

**bottom-current** [Led93]. **bottom-following** [PR05]. **Bottom-up** [NGS<sup>+</sup>15, SFW<sup>+</sup>13]. **bottom-water** [HHR<sup>+</sup>08, LAT<sup>+</sup>18]. **bottom-waters** [LSM96]. **bottoms** [DCH04]. **Bougainvilliidae** [SC15]. **bound** [CSS<sup>+</sup>02, MP99, MGC<sup>+</sup>14]. **boundaries** [BM17, CCM15, JCP17, MHC<sup>+</sup>10]. **Boundary** [Car01, CK03, JDBP<sup>+</sup>05, KHGL<sup>+</sup>02, LOA13, MS06b, MJG<sup>+</sup>13, PLRV22, RMBG11, RFQ99, RMK<sup>+</sup>14, Sor99, SHKW05, TCJ<sup>+</sup>11, AFB<sup>+</sup>94, BGS98, BS98, BB98, BVB<sup>+</sup>14b, CBW01, DDL06, DJCF09, EWG94, FKS18, JDL<sup>+</sup>22, KFJ<sup>+</sup>05, LS04, LYL22, LBB11, MMS<sup>+</sup>16, MRC05, NPF<sup>+</sup>09, NZT97, OKY<sup>+</sup>17, Ou05, PSK<sup>+</sup>00b, PC98, RRL<sup>+</sup>14, RF99, SS09, SHFM01, SHM<sup>+</sup>20, SS99a, SM01, Wir94]. **boundary-layer** [DDL06, KFJ<sup>+</sup>05]. **Bowers** [OTN16, SKS<sup>+</sup>16, WOM<sup>+</sup>16]. **bowhead** [COQ<sup>+</sup>18, DCF<sup>+</sup>18, MSM10, OCP18, SCGB18]. **box** [CWJ99, FB15, PCDM11, LRM<sup>+</sup>02, VLR<sup>+</sup>02]. **BP** [HSB<sup>+</sup>16, RTI<sup>+</sup>16]. **Br** [GAC<sup>+</sup>02]. **brachycephalum** [BKPA06]. **Brachyura** [VAM97]. **Brahmaputra** [CRP<sup>+</sup>05]. **Branchiopoda** [dLC<sup>+</sup>14]. **brandtae** [MGE13]. **Bransfield** [BIP<sup>+</sup>02, BTP<sup>+</sup>18, Fig02, GCR<sup>+</sup>02, LAF<sup>+</sup>02, MISC<sup>+</sup>02, PIP<sup>+</sup>02, RVZ02, VFS02, ÁRR02, BCDV02, CR06, DÁSCP02, GGLP02, LHKHH10, ME02, vCHM18]. **Brazil** [FYS<sup>+</sup>17, GSMG04, HO99, IATK17, MAR<sup>+</sup>17, NGF09, PFAZL09]. **Brazilian** [AL14, MTG18, NKA<sup>+</sup>11]. **breach** [WWN<sup>+</sup>22]. **break** [AAG02, CBCT09, CJF<sup>+</sup>12, HLM<sup>+</sup>01, JWC<sup>+</sup>01, LWL<sup>+</sup>16, MiSW08, SHM<sup>+</sup>01]. **break-slope** [AAG02]. **break-up** [CJF<sup>+</sup>12]. **breaking** [Pap05b, YWW23]. **breakup** [KWT<sup>+</sup>16]. **breccia** [PPR<sup>+</sup>20a]. **breeding** [CWEHT22, EQW<sup>+</sup>13, HPS<sup>+</sup>13, NCR<sup>+</sup>08, WTT<sup>+</sup>20]. **brevis** [LWZ<sup>+</sup>23]. **bridges** [BHC<sup>+</sup>17]. **Bridging** [KR07]. **brief** [BMO93, CPM<sup>+</sup>18, DFF02, LPSS03, SD08, TZ09]. **brine** [ABG<sup>+</sup>20, GDL22, WJS<sup>+</sup>10]. **brines** [CRS<sup>+</sup>19]. **Bringing** [SCQ<sup>+</sup>09]. **Brinton** [MFL10]. **Brisingenes** [Mah16]. **brisingid** [Mah16]. **Bristol** [ARWM13]. **British** [DCS<sup>+</sup>18, HBCG14, PDC<sup>+</sup>99, WWB04, HSBT19, KM15, MY99, MPZ04, NDE14, Pin93]. **Brittle** [SN00]. **Broad** [DLR11, TDCV<sup>+</sup>06, JKK<sup>+</sup>10, MLW<sup>+</sup>01]. **Broad-scale** [TDCV<sup>+</sup>06, JKK<sup>+</sup>10, MLW<sup>+</sup>01]. **BROKE** [NPBS00, JFK<sup>+</sup>10, NMR10, PMJW10, SKH10b, VJP<sup>+</sup>10, WGMW10, WNA<sup>+</sup>10, WRBS10, WvdE00]. **BROKE-West** [JFK<sup>+</sup>10, NMR10, PMJW10, SKH10b, VJP<sup>+</sup>10, WGMW10, WNA<sup>+</sup>10, WRBS10]. **Brøndsted** [JR11]. **brood** [GGTMG<sup>+</sup>10]. **brooding** [MP17]. **brown** [YKN07]. **Brunhes** [LSOM16]. **Bruno** [BCD<sup>+</sup>09]. **Bryozoa** [GC18]. **bryozoan** [Gri13, GC15]. **bubble** [DME<sup>+</sup>18]. **bubbles** [SE96]. **bubbling** [TCG<sup>+</sup>18]. **bubbly** [GK04]. **budegassa** [LAÁ<sup>+</sup>14]. **budget** [ARK<sup>+</sup>94, AL13, CMG<sup>+</sup>12, CMT93, CWS<sup>+</sup>23, CML<sup>+</sup>14, DeM02, EOB03, FCG18, FWR<sup>+</sup>02, HXF<sup>+</sup>23, JCD<sup>+</sup>03, JBM<sup>+</sup>08, JWCC99, KMLT06, LTS<sup>+</sup>97, MQ01, RCL<sup>+</sup>09, RH99, SAM96, VGF02, vWMR<sup>+</sup>17]. **budgets** [BAD<sup>+</sup>97, BHS<sup>+</sup>10, CBJ<sup>+</sup>23, DRS10, GSB<sup>+</sup>23, KLKB95, LLLP<sup>+</sup>03, MC13, NAB<sup>+</sup>02, OMY<sup>+</sup>03, RJWD01, SJM02, TWN<sup>+</sup>06, ZQ97]. **buffer** [FHR<sup>+</sup>11]. **build** [DDB<sup>+</sup>17, DSE<sup>+</sup>14]. **build-up** [DDB<sup>+</sup>17, DSE<sup>+</sup>14]. **building**

[GIPLL<sup>+14</sup>, HSSH23, PSB14]. **Bulk** [CCH95]. **bungii** [KTSI07]. **Buoy** [DDLK06, AGGdC14, KKD06, NMW<sup>+09</sup>]. **buoyancy** [BY09]. **buoyant** [Gou05, Ou05]. **buoys** [Grü99, LMLC<sup>+17</sup>]. **burden** [DKP<sup>+14</sup>]. **burdens** [SW08]. **burial** [ASBM02, Cra97, DTB<sup>+02</sup>, IMP<sup>+02</sup>, KBV<sup>+97</sup>, SMCA01]. **buried** [SSAF02]. **Burnard** [Ano18]. **Bussol** [BAF<sup>+18</sup>]. **bycatch** [LS17, YLG<sup>+18</sup>]. **Bythitidae** [MGN<sup>+18</sup>].

**C** [Ano97b, Ano97c, CSL<sup>+07</sup>, DVS<sup>+97</sup>, GOH<sup>+15</sup>, HLFP08, HSH<sup>+13</sup>, MNPT06, MGG<sup>+09</sup>, ONSSVGR04, TWN<sup>+06</sup>, WWC<sup>+19</sup>, ADV<sup>+01</sup>, BCWT00, BW99a, BOP95, CHL<sup>+15</sup>, CMT93, CMVS<sup>+10</sup>, CSS<sup>+02</sup>, DTB<sup>+02</sup>, DKN<sup>+97</sup>, DBMI17, GS06b, HFK<sup>+02</sup>, KHH<sup>+17</sup>, LLB<sup>+00</sup>, MSJS08, ME02, PDTS08, QW15, RTB02, RDP<sup>+02</sup>, SRFR07, SHR02, SBN<sup>+15</sup>, TA01, WMH<sup>+07</sup>, WKM<sup>+07a</sup>, WCSA<sup>+16</sup>, WWW<sup>+02</sup>, Yu03, ZQ97]. **C-cycling** [WWC<sup>+19</sup>]. **C/Si** [CSS<sup>+02</sup>]. **C0** [BTR95]. **C02** [FWG<sup>+97</sup>]. **CA** [MPB<sup>+18</sup>, RA98, RLP<sup>+98</sup>, SRC98, SZS<sup>+07</sup>]. **Cachucho** [GASGB<sup>+14</sup>]. **CaCO** [BZvHH00, ESA<sup>+09</sup>, EAS<sup>+09</sup>, KSS00a, SMCA01]. **Cádiz** [HMLS<sup>+06</sup>, RN06, Ano06c, CJA<sup>+06</sup>, CAGLV<sup>+06</sup>, DGR02, FA02, HNRGL06, JASS02, AAG06, BGIJ<sup>+06</sup>, CRNP06, GLDCA<sup>+06</sup>, LSM<sup>+06a</sup>, MPMD<sup>+06</sup>, NRH<sup>+06</sup>, NR06, RMCAR06, RGIH<sup>+06</sup>, RGL06b, SMR<sup>+06</sup>]. **Cadmium** [WR15, QW15]. **Caecosagitta** [MMN10]. **Caenogastropoda** [FHK18]. **calanoid** [CHG20, CHSVB<sup>+19</sup>, GO10, LLW01, RFF<sup>+02</sup>, SSMM<sup>+08</sup>]. **Calanoida** [BG10, CSS<sup>+10</sup>, UFAK06]. **Calanoides** [HZZ94, PTWM12]. **Calanus** [BM07, BMK09, BK96b, CRD01, CPH01, CM01, GGDF08, HK07, LMDW06, MO96, NLY<sup>+13</sup>, PTS01, PCAS05, RPJ<sup>+06</sup>, SD06b, ST07, SFPH<sup>+08</sup>, SMG<sup>+07</sup>, UFAK06, YQMB20]. **calcareous** [GGC19]. **Calcareous** [FSG02, HTD00, ID19, RJT11, BRPH20, TTA<sup>+16</sup>]. **Calcification** [BK96a, BDF00, BDBB07, PABH07]. **calcite** [MS06a, RH07]. **calcium** [JFM<sup>+17</sup>, TCH<sup>+16</sup>, Zon07]. **CalCOFI** [BCW03, ROPB03, Reb03]. **calculated** [AKH<sup>+02</sup>]. **Calculation** [YZ00, LBM98]. **calculations** [BHS<sup>+10</sup>]. **caldera** [GSB<sup>+03</sup>, BTC13]. **calibrated** [HA96, KGKS20]. **calibration** [HJS<sup>+10</sup>, SFV<sup>+01</sup>, SBR<sup>+97</sup>, YZ00]. **California** [BL03, BPD<sup>+15</sup>, CC00, CP03, DDL06, Di 03, DCH04, DLKP14, ECM<sup>+06</sup>, HLR<sup>+09</sup>, PO15, RBP<sup>+05</sup>, SVJRSON04, TLSW15, VLK06, AL98, AMJRD19, AHGCNM<sup>+04</sup>, AST<sup>+05</sup>, BPS00, BPC05, BV98, BB98, BMOW09, BCW03, BLH05, BT03, CTW<sup>+15</sup>, CA06a, CLF<sup>+09</sup>, CFZ<sup>+18</sup>, CDG00, CMR<sup>+18</sup>, CHN<sup>+18</sup>, CPM<sup>+18</sup>, CGR<sup>+00</sup>, CPC<sup>+03</sup>, CMRI13, CCM15, CRMI18, CPW<sup>+18</sup>, CMJ<sup>+18</sup>, DD15a, DD15b, DLLK15, DHW98, DGR19, DDLK06, DWHM06, DCSV19, FRH<sup>+98</sup>, FEB<sup>+13</sup>, GGAMV<sup>+23</sup>, GMCR18, GO15, GOGCDB18, GMPS04, HS98, HV98, HZMH07, dITGCAB<sup>+03</sup>, HGAB04, HBK<sup>+98</sup>, HV03, JR15, KMLC<sup>+04</sup>, KKMSM12, KLK<sup>+15</sup>, KGKS20, KL06, KKD06, KC00, KD00, KC04, KGB06, LLR<sup>+06</sup>, LO03, LJHAA19, MDB98, MML06, MC18a, MBLM03, MNSMN<sup>+04</sup>, NOLASZ04, NR00, NCSB<sup>+98</sup>, OC00, PBS06, PUP<sup>+07</sup>, PC00, PC18, PK03, PLPS98]. **California** [ROPB03, Reb03, RMB05, RB06, RAL04, RSC<sup>+09</sup>, SVAGRCS04, SLS17,

SSL98, SBB06, SM03, SMPSG<sup>+04</sup>, Sot09, SJ00, SB05, SN00, STS<sup>+15</sup>, TBH09, TB98, Thu98, TCEW07, TMC04, TdFAL19, TAB<sup>+05</sup>, WCD<sup>+09</sup>, WDKC00, WCK<sup>+18</sup>, YSBH06, YLG<sup>+18</sup>, ZT00]. **Callao** [DOLP<sup>+09</sup>]. **Callorhinus** [CRJ<sup>+08</sup>]. **calls** [ŠHW<sup>+04</sup>]. **calm** [MPV<sup>+11</sup>]. **Calocarides** [Mar18]. **Caloric** [WGMC14, YBC<sup>+17</sup>]. **calorie** [HON<sup>+13</sup>]. **calorie-sheds** [HON<sup>+13</sup>]. **Camarinal** [BAC<sup>+02</sup>]. **Cambrian** [Cha07]. **camera** [BEB<sup>+13</sup>, BEM<sup>+15</sup>, CLJ<sup>+13</sup>, EFR<sup>+16</sup>, JSWB21, KCTG16, KJB<sup>+08</sup>, NCSB<sup>+98</sup>]. **campaign** [DJCF09, KFA<sup>+20</sup>, VJP<sup>+10</sup>]. **Campeche** [BSL08b]. **Campos** [PFAZL09]. **Can** [CHG15, DWG<sup>+15</sup>, DZL<sup>+17</sup>, LLW01, MES<sup>+23</sup>, OSM<sup>+20</sup>, BvGH<sup>+17</sup>, EBG<sup>+15</sup>, KBB07]. **Canada** [BHJ99, HZL<sup>+12</sup>, RSR<sup>+00</sup>, BIH10, BCP<sup>+15</sup>, BLP<sup>+15</sup>, CHW<sup>+12</sup>, DB05, DPK<sup>+14</sup>, DKP<sup>+14</sup>, DTJ<sup>+14</sup>, DCS<sup>+18</sup>, GMC<sup>+12</sup>, HBCG14, JMM<sup>+13</sup>, KH10, MBI<sup>+10</sup>, MPH<sup>+05</sup>, MLH14, MBD<sup>+17</sup>, MSG<sup>+00</sup>, NDE14, PDK<sup>+14</sup>, RSRL00, SJA<sup>+97</sup>, TLKT00, YHK15]. **Canadian** [Ano14, Har06, NLDJ14, SSM<sup>+00</sup>, SE95]. **Canaries** [TAB<sup>+02</sup>]. **Canary** [LRM<sup>+02</sup>, PNLFS03, VLR<sup>+02</sup>, AMN<sup>+02a</sup>, DNH<sup>+02</sup>, HFM<sup>+02</sup>, HGMA<sup>+02</sup>, JRGLJ<sup>+19</sup>, KHGL<sup>+02</sup>, MFN<sup>+02</sup>, PNLFS02, PNLF02, PMLM<sup>+02</sup>, SBH<sup>+02</sup>, ZLOR02]. **CANIGO** [PNLFS02, PNLF02, PNLFS03, BWAS02, LDV<sup>+02</sup>, TPGCCS<sup>+02</sup>]. **Cantabrian** [GASGB<sup>+14</sup>, GBDM<sup>+14</sup>, SGPD<sup>+14</sup>, LPS14]. **cantelli** [CAK15]. **Canyon** [BSL08b, CWJ99, GPMS<sup>+16</sup>, GBDM<sup>+14</sup>, GdSP11, LPS14, MBMM<sup>+99</sup>, MTM<sup>+13</sup>, NKB<sup>+18</sup>, PNL<sup>+19</sup>, PCF<sup>+18</sup>, SGPD<sup>+14</sup>, SW08, ULTL16, vOSG<sup>+11</sup>, DVS<sup>+14</sup>, HBCG14, HD14, KCM<sup>+14</sup>, KSB<sup>+03</sup>, MKKB14, MPV<sup>+11</sup>, MPPR14, MSB<sup>+03</sup>, MMSS14, OPV11, RGS<sup>+15</sup>, SGB14, Thu06, VD98, AFC<sup>+17</sup>, BJSH14, BVGE<sup>+06</sup>, DJC<sup>+14</sup>, EWP<sup>+99</sup>, FBP<sup>+17</sup>, FS14, GSW99, GSdS<sup>+14</sup>, HAC<sup>+14</sup>, JMM<sup>+13</sup>, LUV99, LMM<sup>+17</sup>, LRN<sup>+14</sup>, LRDS18, MS09, MHdS<sup>+11</sup>, dJMTGG11, OACA19, PPT<sup>+10</sup>, PGM<sup>+15</sup>, PPL<sup>+19</sup>, PPM02, RCL<sup>+09</sup>, RLB<sup>+18a</sup>, RSR10, SHD<sup>+14</sup>, SP19b, SR08b, Sor99, WC07a]. **Canyons** [BWH<sup>+17</sup>, BR14, CPA<sup>+11</sup>, DHS<sup>+14</sup>, DLKP14, FPB<sup>+14</sup>, HBCG14, IBK<sup>+11</sup>, KBI<sup>+11</sup>, LSA14, MT11, MM14, MTMH11, MSK<sup>+19</sup>, OBC<sup>+14</sup>, PGC<sup>+11</sup>, SDGH14, WGW<sup>+19</sup>, dSJB<sup>+11</sup>, vdBGM<sup>+17</sup>]. **Cap** [CWJ99, DJC<sup>+14</sup>, EWP<sup>+99</sup>, GSW99, LUV99, MBMM<sup>+99</sup>, SHD<sup>+14</sup>, Sor99]. **Cap-Ferret** [CWJ99, DJC<sup>+14</sup>, EWP<sup>+99</sup>, GSW99, LUV99, MBMM<sup>+99</sup>, SHD<sup>+14</sup>, Sor99]. **Capacity** [SH02, HSH<sup>+13</sup>, SRFR07, ZSKL19]. **Capbreton** [BJSH14, FS14]. **Cape** [WC07a, AAG02, ASBM02, BPS00, BH94, BD94, Bla94, BLS<sup>+03</sup>, CLT94, CDL94, DCR94, GZGH22, GAC<sup>+02</sup>, Hec94, JDBP<sup>+05</sup>, LF07, LRV<sup>+02</sup>, MDC<sup>+10</sup>, MBB<sup>+02</sup>, MP94, RLVF02, RH94, SGD<sup>+14a</sup>, SSV02, TBA<sup>+02</sup>, Wal94b, vGTG<sup>+00</sup>]. **Capel** [DLHH11]. **Capel-Faust** [DLHH11]. **capelin** [ASF<sup>+16</sup>, LSHB09, LSWH07, MHTZ19, ODR<sup>+09</sup>]. **Caprellidae** [KGS23]. **Capsular** [LZS<sup>+18</sup>]. **capture** [LWB<sup>+07</sup>, ZSLL15]. **captured** [FCBD08, PWJF20, SRS<sup>+20</sup>]. **carangid** [STS11]. **carbohydrate** [HHP<sup>+96</sup>, ZA16]. **carbohydrates** [MZR<sup>+95</sup>]. **Carbon** [AZK<sup>+20</sup>, ARK<sup>+94</sup>, AT10, Ano08, BRG<sup>+19</sup>, BLS<sup>+97</sup>, ÇYAYT06, CBJ<sup>+23</sup>, CML<sup>+09</sup>, JLTD11, LSUB94, LLB<sup>+00</sup>, LFM02, LKJ<sup>+15</sup>, LKH<sup>+07</sup>, LCE<sup>+23</sup>,

MTE<sup>+02</sup>, MYE<sup>+02</sup>, RJWD01, RFB97, SCGDU09, Sch02a, SSH<sup>+11</sup>, SSS<sup>+11</sup>,  
 VBM97, WCB08, WTL<sup>+06</sup>, WCWW99, vGTG<sup>+00</sup>, AML01, AAG02,  
 ASBM02, ÁRR02, ACH02, AE02, AKH<sup>+02</sup>, Ano96g, ATS<sup>+96</sup>, AHHCR23,  
 ALH<sup>+01</sup>, BCH<sup>+96</sup>, BDB97, BWL01, BNM<sup>+07</sup>, BPD<sup>+11</sup>, BBL<sup>+13</sup>, BMK96,  
 BBH05, BMD<sup>+17</sup>, BDW<sup>+98</sup>, Bau02, BLM<sup>+10</sup>, BPB<sup>+94</sup>, BFM<sup>+14</sup>, BAH<sup>+95</sup>,  
 BBA<sup>+98</sup>, BBA<sup>+01</sup>, BHS<sup>+10</sup>, CTBNL08, CD95, CHN<sup>+10</sup>, CZP<sup>+08</sup>, CAGL13,  
 CCP<sup>+18</sup>, CMB<sup>+97</sup>, CEG<sup>+11</sup>, CSGC03a, CM99a, CMB99, CSGC03b,  
 CCW<sup>+08</sup>, CB09a, CMW<sup>+05</sup>, COJ<sup>+09</sup>, CMT93, CBW01, CWS<sup>+23</sup>, Cra97,  
 CMB12, CML<sup>+14</sup>, CMRL11, DURP03, DZBR95, Dan95, DP07, DPLB94,  
 DCA09, DJS<sup>+08</sup>, DRR17, DJR<sup>+01</sup>, DLF<sup>+09b</sup>, DÁSCP02, DGB<sup>+98</sup>,  
 DKQ<sup>+93</sup>, EWBW99, EWP<sup>+99</sup>, ETD<sup>+11</sup>, FdBGP11]. **carbon**  
 [FRW00, FGW02, FCA04, FCAD04, FPB04, FC07, GWZ16, GCS<sup>+12</sup>,  
 GGRW99, GRS00, GRC<sup>+03</sup>, GMR<sup>+05</sup>, GSB<sup>+23</sup>, GdRGLS04, GCB04,  
 GOP<sup>+01</sup>, GNHS05, HBSL01, HCBP97, HP98, HC01, HMGD17, HHH01,  
 HBC<sup>+23</sup>, HMC09, HBCO01, HCRX16, HZWW16, HNRGL06, HDW<sup>+20</sup>,  
 HWC07, IHI<sup>+97</sup>, IMP<sup>+02</sup>, JDS<sup>+08</sup>, JDD<sup>+11</sup>, JBVW12, JHS<sup>+17</sup>, JBM<sup>+08</sup>,  
 KGKS20, KLL03, KH02, Kem94, KFF<sup>+94</sup>, KR95, KCD<sup>+17</sup>, KHL<sup>+16</sup>, Kli09,  
 KSU<sup>+08</sup>, KSS00a, KWW<sup>+12</sup>, LRGH<sup>+05</sup>, LQF<sup>+02</sup>, LMB<sup>+98</sup>, LJL<sup>+17</sup>,  
 LDWK96, LW15, LDFS93, LSB07, MBW<sup>+03</sup>, MPG<sup>+97</sup>, MRRG23, MSF<sup>+22</sup>,  
 MFG<sup>+93</sup>, MISC<sup>+02</sup>, MHB05, MTT<sup>+12</sup>, Met09, MWK<sup>+18</sup>, MCJ<sup>+99</sup>,  
 MDO<sup>+98</sup>, MES97, MLK<sup>+12</sup>, MSTT07, MC13, MSG<sup>+00</sup>, MKVT<sup>+04</sup>,  
 MLS<sup>+15</sup>, MYN<sup>+96</sup>, NAB<sup>+02</sup>, NSvH<sup>+11</sup>, NVBJ08, NMS09, NKB95, NW01,  
 NRM<sup>+99</sup>, OCL<sup>+08</sup>, OUK03, OENB01, PCB<sup>+00</sup>, PFP02, PW15, PKR<sup>+01</sup>,  
 PUP<sup>+07</sup>, PH96, PHH<sup>+06</sup>, PABH07, PDE<sup>+16</sup>, PCB<sup>+17</sup>, PRMM<sup>+17</sup>, Qua97].  
**carbon** [RTB02, RBDO17, RRRMM05, RSR05, RV00, RGH<sup>+24</sup>, RTC06,  
 RWR<sup>+02</sup>, RRWR08, RvAH10, RJDR06, RPF01, RIHGS00, RW95, RMPI<sup>+17</sup>,  
 RPF<sup>+16</sup>, RWN<sup>+08</sup>, RSR<sup>+00</sup>, RBH<sup>+20</sup>, SMY<sup>+98</sup>, SLS<sup>+07</sup>, SCGDL02, SdS01,  
 SVR<sup>+00</sup>, SMCA01, SH99c, SFW08, SBHS20, SRFR07, SGC03, SSM<sup>+00</sup>,  
 SDCH99, SSLA95, SMD08, SLZ<sup>+16</sup>, SS01, Sot09, SVS<sup>+20</sup>, SWGPK17,  
 SLB<sup>+16</sup>, SUL<sup>+06</sup>, SUK<sup>+06</sup>, SP06, SHC<sup>+00</sup>, SSH<sup>+00</sup>, SCM<sup>+09</sup>, TTLP06,  
 TBA<sup>+02</sup>, TVL<sup>+00</sup>, TTCD14, TP02b, TP02a, TLKT00, TA01, TDC08,  
 TBB<sup>+08</sup>, TMW<sup>+05</sup>, TNIW02, VBF<sup>+02</sup>, VS99, VSR<sup>+00</sup>, VCR02, WKM<sup>+07a</sup>,  
 WFA<sup>+95</sup>, WWH97, WCSA<sup>+16</sup>, WP00, WC01b, WWC<sup>+99</sup>, WC02, WWN<sup>+02</sup>,  
 WAC<sup>+09</sup>, WDC<sup>+15</sup>, YÇYTKB06, YOI<sup>+09</sup>, YHL<sup>+12</sup>, ZHD<sup>+08</sup>, ZD97, ZQ97,  
 ZX12, ZCG<sup>+12</sup>, ZWQ<sup>+19</sup>, ZWL<sup>+22</sup>, ZdBB<sup>+07</sup>, Zon07, dCHdOF<sup>+18</sup>,  
 vOSG<sup>+11</sup>, vWDB<sup>+01</sup>, vdLBB<sup>+02</sup>]. **carbon-nitrogen** [MFG<sup>+93</sup>].  
**carbon-rich** [KCD<sup>+17</sup>]. **carbon-to-chlorophyll-a** [CSGC03a]. **Carbonate**  
 [GW15, GNHS05, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, MYL<sup>+98</sup>, vdLEM<sup>+14</sup>, ASS02,  
 ACBV<sup>+18</sup>, ÇYB<sup>+18</sup>, CB97, CMB02, EFR<sup>+19</sup>, GBP00, GPBV<sup>+07</sup>, GTB15,  
 JFM<sup>+17</sup>, LBM<sup>+17</sup>, LAGK<sup>+18</sup>, LMF<sup>+21</sup>, LSB07, NEO<sup>+07</sup>, NRSL17,  
 RHL<sup>+16</sup>, STD<sup>+20</sup>, SBH<sup>+02</sup>, THJ<sup>+17</sup>, TWL<sup>+15</sup>, TWC<sup>+07</sup>, TCH<sup>+16</sup>,  
 WKM<sup>+07a</sup>, YZ00, ZHY<sup>+13</sup>, ZdBB<sup>+07</sup>, Zon07]. **carbonates**  
 [FR10, FRC<sup>+10</sup>, FC15, LMG17, LSL<sup>+15</sup>, PBVC<sup>+16</sup>, RFJ10]. **carcass**  
 [SRAL<sup>+17</sup>]. **carcasses** [YMC<sup>+22</sup>]. **carcinophaga** [MCBC08].



**Cardiovascular** [ECD06]. **career** [Ver13]. **Cariaco** [ALT<sup>+</sup>13, MTMK<sup>+</sup>13, MKVT<sup>+</sup>04, TSP<sup>+</sup>18]. **Caribbean** [HMSMK04, JPM99, Jur20, MCM06, Ric05]. **Caridea** [NCL13]. **Carlsberg** [MR15]. **Carnivorous** [DAGK<sup>+</sup>17, HRX17, FPGH02, JZX10]. **Carolina** [ASBM02, AAG02, BPB<sup>+</sup>94, BH94, Bla94, CLT94, CDL94, DPLB94, DCR94, GAC<sup>+</sup>02, Har94, Hil94, LRV<sup>+</sup>02, MP94, RLVF02, RH94, SL94, TBA<sup>+</sup>02, WR09]. **Carolinas** [BG94]. **carried** [NPBS00]. **Carrying** [SH02, GK16, HSH<sup>+</sup>13, ZSKL19]. **Cascais** [IBK<sup>+</sup>11, dSJB<sup>+</sup>11]. **Casco** [DTP<sup>+</sup>05, JCP05, KCA05, PKA05, TDKA05]. **Case** [TPS<sup>+</sup>15, ABE<sup>+</sup>11, BS21, CWWB04, DWG<sup>+</sup>15, DRR<sup>+</sup>14, DZL<sup>+</sup>17, EEAC<sup>+</sup>20, HGK<sup>+</sup>18, HAM<sup>+</sup>15, JTW00, KVB<sup>+</sup>09, KMA<sup>+</sup>18, LT16, LTL<sup>+</sup>23, MPM<sup>+</sup>16, MGT<sup>+</sup>20, MBB<sup>+</sup>02, MES<sup>+</sup>23, MTD<sup>+</sup>18, MS18, MQACB08, MSG<sup>+</sup>00, NC97, PLRV22, PP93, Rai14, RAC<sup>+</sup>20, RAS23, RBXM15, SCCG09, SBA<sup>+</sup>20, TSZ10, TSZT13, VAK<sup>+</sup>09, VAMPR<sup>+</sup>17, WKM<sup>+</sup>07a]. **Caspian** [KBE<sup>+</sup>04, PFG<sup>+</sup>03]. **Cassidaigne** [FBP<sup>+</sup>17]. **Castle** [KEA<sup>+</sup>17]. **catabolic** [GQ09]. **catalyzed** [FLTV97]. **Catch** [NA09, BRCFP23, BJP<sup>+</sup>22, DABMAMA04, JRG<sup>+</sup>22, LCW20, Loh08, MRSLM<sup>+</sup>19, OLP<sup>+</sup>20, SL12, ZKSS06]. **catches** [BHJ<sup>+</sup>14, DWM<sup>+</sup>15, GDA<sup>+</sup>15, MCL<sup>+</sup>19, RGIH<sup>+</sup>06, YHC<sup>+</sup>11]. **catchment** [vGCM00]. **Categorizing** [KAM<sup>+</sup>14]. **catenatum** [FRBB10]. **Cauchy** [Abr19]. **caught** [CAJE15, LFKF<sup>+</sup>17]. **Cauldron** [BLS<sup>+</sup>03]. **Causal** [YFL<sup>+</sup>23]. **causality** [YFL<sup>+</sup>23]. **Cause** [PS23, Sch07, WTI<sup>+</sup>20]. **caused** [GPC<sup>+</sup>04, KAW<sup>+</sup>16, VMB17]. **Causes** [LSdC<sup>+</sup>10, HS98, TYBY06]. **Cavibelonia** [OBH<sup>+</sup>18]. **CCAMLR** [BND<sup>+</sup>04, Dem04, HCWH00, JR04, KGE<sup>+</sup>04, KNV<sup>+</sup>10, NMR10, WGB<sup>+</sup>04, WHNS04]. **CCE** [GO15, MSS15]. **CCE-LTER** [GO15, MSS15]. **CCSM4** [VNBW18]. **CD** [Ano96d, CDB94, RSD<sup>+</sup>97, NOT<sup>+</sup>09, NEN<sup>+</sup>07]. **CD-ROM** [CDB94, RSD<sup>+</sup>97, Ano96d]. **CDOM** [CDA98, LPJ<sup>+</sup>16, MORB<sup>+</sup>15, NTS<sup>+</sup>11]. **CEAMARC** [DLB<sup>+</sup>11]. **Celebes** [MNN10, ODH<sup>+</sup>07]. **cell** [DO96, FVSRR14, JS14, LZS<sup>+</sup>18, MMJ<sup>+</sup>03, PW12, SOS01]. **celled** [HK08]. **cells** [PVMC01, TIS<sup>+</sup>13, ZOB<sup>+</sup>96]. **Celtic** [CWE<sup>+</sup>17, JWC<sup>+</sup>01]. **Cenozoic** [BDE07, Ber07, BCVCHW04, DLHH11, DBD03, MWS<sup>+</sup>15, SK07, WCJ97]. **Census** [Ano09b, SH11a, PGF<sup>+</sup>09, SJD<sup>+</sup>11]. **centennial** [MPL15]. **Central** [LBV<sup>+</sup>08, VALM17, WGNH15, ADBU18, And00, BKP<sup>+</sup>19, BB98, BH19a, BCM02, BO96, BCO<sup>+</sup>96, BCKH07, BGS09, CD95, Cha07, CLF<sup>+</sup>09, CBS<sup>+</sup>96, CDG00, CMB02, CDJM04, DMFD19, DZBR95, DO19, DFY<sup>+</sup>23, DNG<sup>+</sup>12, DOLP<sup>+</sup>09, DMY<sup>+</sup>97, FGU04, FWG<sup>+</sup>97, Fon96, GPC<sup>+</sup>04, GGPM05, GQ09, GSdS<sup>+</sup>14, HSS<sup>+</sup>18, HSR<sup>+</sup>23, Har96, HHP<sup>+</sup>96, ITT12, iTT<sup>+</sup>15, ITM<sup>+</sup>12, Joh96, KBK<sup>+</sup>18, KAW<sup>+</sup>16, KxF22, KM95, KSH12, KT02, KN97, KN05, LCK95, LKC96, LHZJ13, LL13, LTS<sup>+</sup>13, MGR<sup>+</sup>03a, MHG<sup>+</sup>04, MDH<sup>+</sup>98, Mar13, MPS<sup>+</sup>21, MWF<sup>+</sup>19, MFG<sup>+</sup>04, MAA<sup>+</sup>04, MAA<sup>+</sup>05, MES97, MYN<sup>+</sup>96, NOLASZ04, NA13, NR00, NRM<sup>+</sup>99, NCSB<sup>+</sup>98, OCP18, OHFW93, PPRHLF02, PLPS98, PDS00, PVT<sup>+</sup>21, ROPB03, RL97, RSC<sup>+</sup>09, RQRVM10, SVAGRCS04, SHD<sup>+</sup>96, SIFS10, SN00, TGLN93, TB98, TŠŠ<sup>+</sup>19,

VLSS<sup>+04</sup>, WMW96, WAW<sup>+05a</sup>, WYL<sup>+20</sup>, WAK<sup>+12</sup>, WMM02, YTF02].  
**central** [YS01, ZDWR95, ZD97, ZXH<sup>+13</sup>, Zim19, BSM01a, Fri01, KC04, LPK<sup>+17</sup>, MSC<sup>+19</sup>, MSBS01, PLD<sup>+17</sup>, PBN10, RBA<sup>+01</sup>, RGS<sup>+97</sup>, RSN01, SdS01, SSF97, SSI19, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, ULH<sup>+21</sup>, dSSB<sup>+01</sup>]. **central-south** [GQ09]. **centre** [MR15]. **centric** [RP18]. **Centrophoridae** [DWG<sup>+15</sup>].  
**Centrophorus** [CGD<sup>+15</sup>, DWG<sup>+15</sup>]. **centuries** [HdVGHM02]. **century** [BCW03, DHM<sup>+22</sup>, PL04, TdFAL19, VNBW18, WYOS18]. **century-long** [DHM<sup>+22</sup>]. **Cephalaspidea** [CC13]. **cephalopod** [LTS<sup>+13</sup>, RNP93, SLD<sup>+13</sup>]. **Cephalopoda** [SRS<sup>+20</sup>]. **Cephalopods** [LBSB<sup>+17</sup>, GMPSHA<sup>+13</sup>, LL13, MPJ<sup>+13</sup>, SJST13]. **Cercops** [KGS23].  
**cerium** [ODH<sup>+07</sup>]. **certain** [VK04]. **CESAR** [SE95]. **CESM** [CCL<sup>+14</sup>].  
**Cestodes** [CP13]. **Cetacean** [AAL<sup>+17</sup>, FWZM12, FZW<sup>+13</sup>, TCG00, TAB<sup>+05</sup>, CTW<sup>+15</sup>, PLD<sup>+17</sup>, PMF<sup>+17</sup>]. **cetaceans** [BCT21, BPM18, CWE<sup>+17</sup>, GSPT13, JNBJ17, LPA<sup>+17</sup>, LAB<sup>+17</sup>, MM14, RCM<sup>+17</sup>, SSP14, SSJ<sup>+22</sup>, SJJ19]. **cf.** [KMA<sup>+18</sup>]. **CFR** [GGP<sup>+14</sup>]. **CH** [GOH<sup>+15</sup>, GOH<sup>+15</sup>, KLLO98]. **Chaecon** [HC13]. **Chaetoceros** [BLB<sup>+02</sup>].  
**chaetognath** [MMN10]. **Chaetognatha** [PB08, PBN10]. **chaetognaths** [NG10, PS04a, UPS04]. **Chagos** [KOO<sup>+24</sup>]. **Chain** [WLH<sup>+16</sup>, MGG<sup>+17</sup>, VOK<sup>+24</sup>]. **chalcogramma** [Blo02, CBSS02, HSFN13, LSWH07, SHM13, SSDA13]. **chalcogrammus** [DABF<sup>+16</sup>, EZB<sup>+20</sup>, EBG<sup>+22</sup>, EMB<sup>+22</sup>, GEP<sup>+16</sup>, MES<sup>+23</sup>, MZH16, SCD<sup>+22</sup>, SHPM14]. **Challenger** [LAT<sup>+18</sup>]. **Challenges** [BKST13, HAE<sup>+15</sup>, HLA<sup>+06</sup>, YHC<sup>+15</sup>]. **Change** [DVCG<sup>+12</sup>, KDU<sup>+10</sup>, ATN<sup>+12</sup>, AJP<sup>+22</sup>, AAL<sup>+17</sup>, BFL<sup>+20</sup>, BBR<sup>+10</sup>, BZMC20, BTD11, BSH<sup>+11</sup>, CLMK13, CKB<sup>+07</sup>, CRI18, DW15b, DWM<sup>+15</sup>, DP02, EEAC<sup>+20</sup>, ETD<sup>+11</sup>, EAB<sup>+20</sup>, FBB<sup>+13</sup>, FRBB13, GSVCCCH12, GMC19, GBD<sup>+11</sup>, HTTS12, HKC<sup>+21</sup>, HAE<sup>+15</sup>, HBC<sup>+15</sup>, HHH<sup>+22</sup>, HSW<sup>+02</sup>, KNK15, KNG02, KKUK10, KR07, KRHS20, LSNH15, LPPC<sup>+10</sup>, LWL<sup>+16</sup>, LMF<sup>+21</sup>, LB14, LSB07, Man94, MCSF15, MGK19, MWT<sup>+17</sup>, OB22a, PRORSV<sup>+19</sup>, PNVJ13, RHL<sup>+22</sup>, Reb03, RMD<sup>+12</sup>, RHPR15, Rod13, SM12, SH11a, SMD06, SNFK20, SMSI08, SBSW07, STS<sup>+15</sup>, TSW<sup>+09</sup>, VAMPR<sup>+17</sup>, WCJ<sup>+11</sup>, WCB08, WGNH15, WWN<sup>+22</sup>, WNHF<sup>+15</sup>, YKO15].  
**Changes** [AKK<sup>+17</sup>, BDB97, BW04, BPD<sup>+15</sup>, BHB<sup>+07</sup>, CAS<sup>+97</sup>, CAGL13, DSE<sup>+14</sup>, GGC19, HSB<sup>+16</sup>, KFS<sup>+10</sup>, KRLH14, LHZJ13, MSS15, NTK<sup>+09</sup>, RLPF07, TdFAL19, TMP<sup>+13</sup>, WSB08, ZGGF22, AYMSAS19, ADRS19, AGL<sup>+19</sup>, AvD04, ALvD12, ALT<sup>+13</sup>, AKHR<sup>+20</sup>, Bae11, Bea09, BM17, BMS99, BMRP02, BDM<sup>+03</sup>, BLH05, BA01, BLG15, BGH<sup>+19</sup>, CJA<sup>+06</sup>, CG21, CLW<sup>+23</sup>, DO96, ENM<sup>+14</sup>, ENM<sup>+16</sup>, FAMY20, GZGH22, GGRW99, GCCG13, GBP00, GdRGLS04, GMBL10, GBC<sup>+05</sup>, GHM<sup>+12</sup>, GNHS05, HNW<sup>+08</sup>, HdVGHM02, HSS<sup>+12</sup>, HSBT19, HHH01, HGM<sup>+11</sup>, Jac95a, JPM99, KBG<sup>+10</sup>, KBL01, KSH<sup>+09</sup>, KCZ<sup>+19</sup>, KMMS18, KDMH18, KKT16, KAM<sup>+20</sup>, KTL<sup>+00</sup>, KY17, KST<sup>+99</sup>, KL13, KKNH02, LG09, LPdR<sup>+14</sup>, LO03, LCWJI<sup>+19</sup>, MvSHD01, MAK<sup>+16</sup>, MSW<sup>+13</sup>, MSS<sup>+02</sup>, MKH<sup>+05</sup>, MCS<sup>+09</sup>, MGGTM19, Mun07, NA13, NLS<sup>+10</sup>, OYM<sup>+13</sup>, OTK<sup>+05</sup>, OTA<sup>+05</sup>,

OTOH05, OTH05, PHS17a, PMS<sup>+</sup>20, PL04, PRORSV<sup>+</sup>19, PSAY20].

**changes**

[RDW<sup>+</sup>22, RR10, RHD<sup>+</sup>18, SVAGRCS04, SMS<sup>+</sup>07, SHN<sup>+</sup>07, SAM05, SWBKK10, SE14, SW99, SWH08, SBS<sup>+</sup>02, SGD<sup>+</sup>03, SFP<sup>+</sup>09, SBS<sup>+</sup>08, TT05, THJ<sup>+</sup>17, THZ06, TP02b, TP02a, WCH<sup>+</sup>93, WSLP10, WWC<sup>+</sup>19, WWC<sup>+</sup>99, WYW<sup>+</sup>02, WSP19, YCA<sup>+</sup>20, YPY<sup>+</sup>13, dLC<sup>+</sup>14, BCE<sup>+</sup>07].

**Changing** [BC08, GFK24, MSV<sup>+</sup>17, WYT19, CL15, DWJ<sup>+</sup>15, DCSV19, EGG<sup>+</sup>05, FBBW<sup>+</sup>10, LKLG17, LDG<sup>+</sup>23, MWFS17, PCY<sup>+</sup>13, RRK<sup>+</sup>20, SLS17, SAA<sup>+</sup>17]. **Changjiang** [AIW03, KW03, LWL<sup>+</sup>16, YLH<sup>+</sup>10].

**Channel** [BLI<sup>+</sup>09, FRH<sup>+</sup>98, GDE<sup>+</sup>96, DDB<sup>+</sup>17, MWS<sup>+</sup>15, SSHB03, VKC09, BLM<sup>+</sup>14, BEC<sup>+</sup>96, BdBJ<sup>+</sup>14, BL04, DCN<sup>+</sup>02, HBP<sup>+</sup>14, HRT14, HvH04, Hug14, JC03, JTK<sup>+</sup>14, JAM<sup>+</sup>14, LBMvdB14, LAB<sup>+</sup>17, LDHO<sup>+</sup>14, LMF<sup>+</sup>21, MB96, MBT<sup>+</sup>14, MBB<sup>+</sup>14, MSSD93, OS04, PLA<sup>+</sup>17, PGS14, PBMM14, PR05, QS04, RdR03, RTM14, SdRvLR03, SWDB<sup>+</sup>14, TBB<sup>+</sup>14, TRM<sup>+</sup>14, VLP<sup>+</sup>17, XZM<sup>+</sup>23, ZV13]. **channel-mouth** [DDB<sup>+</sup>17]. **channelling** [DCA09]. **channels** [PS04a]. **character** [GTB15, SA15a]. **Characterisation** [HDD<sup>+</sup>11, LBMvdB14, GHG<sup>+</sup>04, JKK<sup>+</sup>10, RHD<sup>+</sup>11, SW00].

**Characterising** [BHS<sup>+</sup>06, WAM<sup>+</sup>18]. **Characteristic** [SRS11, PSE<sup>+</sup>93].

**Characteristics**

[DNG<sup>+</sup>12, FMFW07, GZZC10, KHS<sup>+</sup>02, LKD<sup>+</sup>15, LPM<sup>+</sup>19, MORB<sup>+</sup>15, RG03, RPJ<sup>+</sup>06, SBA<sup>+</sup>20, UWvdE<sup>+</sup>16, VJF23, WW23, vWMR<sup>+</sup>17, ASMH08, AMvD<sup>+</sup>12, Ald95, APT11, BF14, BSL11, BLSS10, COQ<sup>+</sup>18, CG18, DGP20, DPK<sup>+</sup>14, DZL<sup>+</sup>17, DGT14, EMB<sup>+</sup>22, Fig02, GMR<sup>+</sup>05, GML99, HMA20, HBK<sup>+</sup>98, JWO<sup>+</sup>09, KBE<sup>+</sup>04, LTW<sup>+</sup>11, MGR<sup>+</sup>03a, MFPL19, MAR<sup>+</sup>17, MPI07, MAA<sup>+</sup>04, MAA<sup>+</sup>05, NRS14, NTS<sup>+</sup>11, OS04, PBFS06, PWTH15, PPB<sup>+</sup>22, RBA<sup>+</sup>01, RSB<sup>+</sup>17, SBS<sup>+</sup>00, SKSW02, SAL95, TRM<sup>+</sup>07, VKG93, WMB<sup>+</sup>08, WSB08, YCN<sup>+</sup>10, YLR18, YCYK10, dSSB<sup>+</sup>01].

**Characterization**

[ADGA05, ADGA06, ERPF11, HBO11, Kli09, MSD<sup>+</sup>18, NKE11, PLL<sup>+</sup>06, Ste04, YO96, ACBV<sup>+</sup>18, CKJ<sup>+</sup>16, CDM<sup>+</sup>16, DAB<sup>+</sup>18, FCG18, GdRGH<sup>+</sup>14, Hil94, HSC<sup>+</sup>07, KOO<sup>+</sup>24, LGR<sup>+</sup>14, MNB02, MS18, MSNL09, OBC<sup>+</sup>14, PBVC<sup>+</sup>16, SGPD<sup>+</sup>14, VSR<sup>+</sup>10, WMB<sup>+</sup>13, WLC99, ZHM<sup>+</sup>24].

**characterizations** [CBB<sup>+</sup>95]. **characterize** [LKTS01, RLB<sup>+</sup>18a].

**characterized** [GOH<sup>+</sup>15]. **Characterizing**

[BLP<sup>+</sup>15, KYW20, PCF<sup>+</sup>18, RB06]. **charged** [SHM<sup>+</sup>07]. **Charlie**

[CLJ<sup>+</sup>13, CLB13, FVW08, KJB<sup>+</sup>08, LAJP13, MSW<sup>+</sup>13, PBB<sup>+</sup>13, BSJ13, CSGV13, CSCP13, DHST13, EQW<sup>+</sup>13]. **Charlie-Gibbs** [CLJ<sup>+</sup>13, FVW08, LAJP13, MSW<sup>+</sup>13, BSJ13, CSGV13, CSCP13, DHST13, EQW<sup>+</sup>13].

**Charlotte** [WWB04]. **Charting** [CLMK13]. **Charybdis** [CB00a, VAM97].

**Chauliodus** [BBB<sup>+</sup>01, BBB<sup>+</sup>01]. **check** [PDB<sup>+</sup>20]. **Chemical** [AV97, AYN19, ARC02, EB16, FBL<sup>+</sup>98, iITT<sup>+</sup>15, TMP<sup>+</sup>19, dSSB<sup>+</sup>01, ASB<sup>+</sup>02, BSE<sup>+</sup>16, BMRP02, BCW03, BSSE16, Che02, CC03, DPK<sup>+</sup>14, DRRBC16, EFR<sup>+</sup>16, EDF<sup>+</sup>04, GCR<sup>+</sup>02, GK16, HAF<sup>+</sup>15, HdBB<sup>+</sup>02, HMA20, KSDE16, KGB16, LGC<sup>+</sup>12, MGR<sup>+</sup>03a, Mas01, MSNL09, MFE<sup>+</sup>02, RD16, SMY<sup>+</sup>98,

SNIT02, SRF09b, SBG<sup>+98</sup>, SKSW02, TRM<sup>+07</sup>, TD16, WCH<sup>+93</sup>, BKS<sup>+16</sup>].  
**Chemistry** [Arr15, Arr16, CBG02, CMRL11, FL02, GDYW02, GW15, LRM07, OGG<sup>+15</sup>, RHL<sup>+16</sup>, SBB<sup>+19</sup>, WFA<sup>+95</sup>]. **chemoautotrophic** [TSP<sup>+18</sup>, YÇYTKB06]. **chemoautotrophically** [EMV09]. **chemosynthetic** [BRBD17, PDS<sup>+17</sup>, Vri13]. **chemotaxonomic** [BMCF97, MKT<sup>+15</sup>, SMLS02]. **chemotaxonomy** [GCI<sup>+01</sup>]. **CHEMTAX** [RVZ02, WvdE00, WvdEP<sup>+10</sup>]. **Chen** [Won15]. **Chesapeake** [PPM02]. **chick** [CHPF10]. **Chile** [MAA<sup>+05</sup>, ADBU18, CDJM04, DRH<sup>+09</sup>, EHK09, EPPR09, FGU04, GMT<sup>+09</sup>, GPC<sup>+04</sup>, GHIM04, GQ09, HMW00, MHG<sup>+04</sup>, MFG<sup>+04</sup>, MF09, MAA<sup>+04</sup>, ML04, MLG<sup>+04</sup>, NA13, PS04a, QLU09, SRF09b, UPS04, VLSS<sup>+04</sup>, VKGQ<sup>+09</sup>]. **Chilean** [dSVC<sup>+14</sup>, EDF<sup>+04</sup>, HA10, HEV<sup>+10</sup>, PRC<sup>+09</sup>, QSA<sup>+09</sup>]. **C}hina** [WPL<sup>+15</sup>, Won15, WKLM15, AIW03, CSL<sup>+22</sup>, CSGC03a, CLC<sup>+03</sup>, CC03, CSGC03b, ILCCC07, CHL<sup>+15</sup>, CSG<sup>+15</sup>, CLSS15, CLL<sup>+03</sup>, CSL<sup>+07</sup>, CCC<sup>+03</sup>, DLG<sup>+14</sup>, DW15a, DLL<sup>+15</sup>, FC15, FHYI03, GWL<sup>+15</sup>, GWZ16, GWWL03, GZZC10, GW15, HLZY10, HPY<sup>+15</sup>, HTM<sup>+03</sup>, HFL<sup>+15</sup>, HZ19, HHX<sup>+10</sup>, HZZ10, HZN<sup>+16</sup>, HZWW16, HCG<sup>+03</sup>, HWC07, IOK03, KIIW03, KLL03, LC03, aLCS15, LLH<sup>+15</sup>, LW15, LWW<sup>+15</sup>, LZC<sup>+16</sup>, LWL<sup>+16</sup>, LCW<sup>+07</sup>, LH07, LHZ<sup>+16</sup>, LPSS03, LKH<sup>+07</sup>, LCT<sup>+07b</sup>, LCT<sup>+07a</sup>, LBY<sup>+10</sup>, LCL<sup>+10</sup>, LSL<sup>+15</sup>, NMW<sup>+09</sup>, OUK03, OMY<sup>+03</sup>, OT03, PWITH15, PW15, RCW<sup>+15</sup>, RZL<sup>+10</sup>, RZS<sup>+16</sup>, SGW<sup>+15</sup>, SGC03, SHH03, SLZ<sup>+16</sup>, SLB<sup>+15</sup>, Sum19, Tan03, TSZ10, TWL<sup>+15</sup>, TIKS03, WT14, WLD15, WZC<sup>+19</sup>, WRZ<sup>+19</sup>, WZZ<sup>+19</sup>, WL20, WZ03, WKM<sup>+07c</sup>, WYIT13, WC07b, WDC<sup>+15</sup>, WWcW<sup>+15</sup>, WCL<sup>+15b</sup>, WLH<sup>+16</sup>, XGL15, XSM<sup>+19</sup>, YKS03, YXC<sup>+19</sup>, YZZ<sup>+16</sup>, YZZ<sup>+19</sup>, YKSI19, YH10, ZHY<sup>+13</sup>, ZWC<sup>+15</sup>, ZLZ<sup>+15</sup>, ZHX<sup>+16</sup>, ZZY<sup>+19</sup>, ZLW<sup>+19</sup>, ZSKL19, ZWQ<sup>+19</sup>, ZSZ<sup>+19</sup>, ZWJ<sup>+19</sup>, ZXLL10, ZSLL15, ZZZ<sup>+16</sup>, ZS19, FB05]. **China** [LWSZ13, bLHsL<sup>+13</sup>, LXS<sup>+13</sup>, MCL<sup>+19</sup>, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, TSZ10, ZZX<sup>+13</sup>]. **CHINAREs** [CGG<sup>+12</sup>]. **Chinese** [CGG<sup>+12</sup>, CW18]. **Chinook** [MHG<sup>+17</sup>, VBM<sup>+19</sup>]. **chinstrap** [CWEHT22]. **Chionoecetes** [DBMI17, FJR<sup>+20</sup>, GKBG17]. **Chl** [GAC<sup>+02</sup>, SMZ<sup>+08</sup>]. **Chl-a** [GAC<sup>+02</sup>]. **Chlamys** [DKP<sup>+14</sup>]. **chlorofluorocarbon** [MW05b]. **chlorofluoromethanes** [Wal94a]. **Chlorophyll** [GSMG04, LH01, AL98, AVS<sup>+20</sup>, AvD04, BSS20, BHMK08, BY04, BT04, BLP<sup>+15</sup>, CLT94, CRDP02, CSGC03a, CWS05, CMW<sup>+08</sup>, CJF<sup>+12</sup>, CHH19, CBPT05, CMC<sup>+02</sup>, DPS<sup>+11</sup>, DPY14, EGL<sup>+16</sup>, ESK<sup>+23</sup>, GGRW99, GMM<sup>+20</sup>, GWWL03, GGRW98, HPWP07, HS93, HHKH<sup>+04</sup>, IS07, JEK<sup>+15</sup>, JBC<sup>+21</sup>, KKMSM12, KTP<sup>+20a</sup>, LMA08, LGF03, LMvDA16, MSRM14, MASVB<sup>+19</sup>, MDH08, MSS<sup>+02</sup>, MMC11b, MMC11a, OE06, PLRV22, PC00, PG18, PLGCL09, PKZ93, PW12, PHH<sup>+06</sup>, PLHMA06, PPR<sup>+20b</sup>, PVT<sup>+21</sup>, RR96, RD97, RYT01, SMLP04, SWR<sup>+95</sup>, SA14, SiSA<sup>+02</sup>, SG99, SRY04, SRW<sup>+10</sup>, SZH<sup>+04</sup>, SMD08, SBK<sup>+16</sup>, SMS20, SWSL14, TRM<sup>+07</sup>, TSWJ12, TT01, TPS<sup>+15</sup>, UY04, VLK06, XWZ24, YAS<sup>+93</sup>]. **chlorophyll-a** [AvD04, BY04, BLP<sup>+15</sup>, CLT94, CWS05, DPS<sup>+11</sup>, EGL<sup>+16</sup>, ESK<sup>+23</sup>, GWWL03, HHKH<sup>+04</sup>, KTP<sup>+20a</sup>, LMvDA16, MSRM14, MASVB<sup>+19</sup>,

MDH08, MSS<sup>+02</sup>, PLGCL09, PLHMA06, PVT<sup>+21</sup>, SMLP04, SA14, SiSA<sup>+02</sup>, SG99, SMD08, SBK<sup>+16</sup>, YAS<sup>+93</sup>. **chlorophyll-biomass** [PHH<sup>+06</sup>]. **choice** [HH05]. **chokka** [JKJ<sup>+22</sup>]. **chondrichthyans** [CG15, MC15, RS15]. **chromium** [AV97]. **chromophoric** [KSU<sup>+06</sup>, LFC16, NTS<sup>+11</sup>]. **chromophytic** [LKL<sup>+13</sup>]. **Chron** [LSOM16]. **Chronic** [AAW<sup>+16</sup>, RN96, Bak98, FBL<sup>+98</sup>]. **chronology** [DBJ97]. **Chronostratigraphy** [OTNT05, LSOM16]. **chub** [HiII<sup>+19</sup>, HiII<sup>+20</sup>]. **Chukchi** [ATN<sup>+12</sup>, ACG<sup>+17</sup>, BFS<sup>+17</sup>, DEL<sup>+17</sup>, DTWF17, GCCG13, HCAK17, KLD21, LMM<sup>+17</sup>, LGK15, MD17, NCE<sup>+23</sup>, NSWY20, PNL<sup>+19</sup>, RRK<sup>+20</sup>, SCD14, WCC05, WOS12, ZWL<sup>+22</sup>, APP<sup>+14</sup>, AGP05, BDL<sup>+22</sup>, BFD<sup>+23</sup>, BHMC05, BBH05, BF14, BCKH07, BIH10, BSN18, BCP<sup>+15</sup>, BLP<sup>+15</sup>, CHW<sup>+12</sup>, CD09, CMNO23, CG07, CMG<sup>+12</sup>, CMV<sup>+20</sup>, COQ<sup>+18</sup>, CFL<sup>+16</sup>, CG18, CGG<sup>+19</sup>, CCC<sup>+23</sup>, CSS<sup>+22a</sup>, CBK<sup>+22</sup>, DAA<sup>+20</sup>, DB05, DGT14, DGT17b, EGG<sup>+05</sup>, EAF<sup>+17</sup>, EGOO22, EBG<sup>+22</sup>, EMB<sup>+22</sup>, ESWL20, FNS20, FHT<sup>+14</sup>, FTT<sup>+17</sup>, GGC19, GP15, GP16, GLSK<sup>+17</sup>, Gra09, GNB<sup>+17</sup>, GKBG17, HHH<sup>+15</sup>, HMGD17, HTPM14, HT17, HCS05, HK10, HKP10, IBD10, IMG<sup>+19</sup>, KLY<sup>+15</sup>, KRGT14, KCL20, LGHD20, LS14a, LMS09, LGC<sup>+12</sup>, LRDS18, LBM<sup>+20</sup>, LWJR22, LFC16, LvDA14, LPM<sup>+15</sup>, LDW22, LP14, MMID17, MHB05, MBHB09, MES<sup>+23</sup>, MD14, MBL<sup>+15</sup>, MSM10, MKH<sup>+05</sup>, MBC<sup>+20</sup>, NRS14, NHBM10, OACA19]. **Chukchi** [ORFA<sup>+14</sup>, PSA14, PPT<sup>+10</sup>, PMM<sup>+16</sup>, PE17, PBNF<sup>+16</sup>, PCAS05, PPF<sup>+15</sup>, RKTG14, SET<sup>+09</sup>, SMB<sup>+17</sup>, SKGD14, SGD14b, SPB<sup>+14</sup>, SNFK20, SMS20, SM20, SM23, SLB<sup>+16</sup>, TTCD14, VSM17, WDM<sup>+05</sup>, WAW<sup>+05a</sup>, WFW<sup>+17</sup>, WBD17, WGMC14, WAW05b, YHK15, YBC<sup>+17</sup>, YHL<sup>+12</sup>, YLK<sup>+15</sup>, ZAC<sup>+15</sup>]. **Chukchi/Beaufort** [DB05, WDM<sup>+05</sup>]. **chum** [ARWM13, KUT<sup>+20</sup>, KKUK10, KMOM19, VSM17, WBA<sup>+17</sup>, YK05]. **CIB** [BSM01a]. **cidarids** [BVL04]. **cidaroid** [PL04]. **cidaroids** [HDR<sup>+11</sup>]. **CIESM** [Ano09a, BG09b]. **CIESM/SUB** [Ano09a, BG09b]. **ciliate** [CLL<sup>+03</sup>, JYM<sup>+15</sup>, JLY<sup>+16</sup>, STFL<sup>+13</sup>]. **ciliates** [OT03, SIFS10, TR02, WLZ<sup>+19</sup>]. **cinarcik** [TCG<sup>+18</sup>]. **Circannual** [MTK05]. **circularisquama** [SAKP<sup>+22</sup>]. **Circulation** [AGS<sup>+02</sup>, BBN97, CDJ<sup>+22</sup>, CH11, DZ08, DKZP16, GLBB11, GM11, LPSS03, MD06, PMM<sup>+16</sup>, PR17, RG93, SCC98, TRHA01, WAW<sup>+05a</sup>, ACG<sup>+01</sup>, Ano96f, ABS<sup>+14</sup>, AGM<sup>+93</sup>, BSM01a, BSMV03, BCI02, Bae11, BLM13, BMRTL93, BvWR<sup>+20</sup>, BW99a, BRW00, BTRL99, BCH<sup>+19</sup>, BDR<sup>+03</sup>, BJ15, BLSS10, CB16, CMC<sup>+05</sup>, CHL<sup>+95</sup>, Cok16, CMK<sup>+18</sup>, CMJ<sup>+18</sup>, CAGLV<sup>+06</sup>, DGP20, DQSF02, Di 03, DKS03, DK04, DMW<sup>+07</sup>, EOB03, FS05, FM03c, FKH13, GWL<sup>+15</sup>, GLDCA<sup>+06</sup>, GGLP02, GP15, GSM<sup>+20</sup>, GPC14, GMPS04, HBP<sup>+14</sup>, HS96, Har96, HLL<sup>+10</sup>, Hei02, HSHM02, HCHD09, HBR11, HFKY05, HH05, HO99, JCM<sup>+13</sup>, KT05, KHB<sup>+04</sup>, KST<sup>+99</sup>, KIY<sup>+05</sup>, LWL<sup>+24</sup>, LC03, LN05, LWSZ13, LSHP01, LBB<sup>+06</sup>, MPMD<sup>+06</sup>, MZD<sup>+11</sup>, MAN<sup>+20</sup>, MGMP02, MKB<sup>+10</sup>, MSC<sup>+19</sup>, MTT<sup>+12</sup>, MW05b, MWW<sup>+05</sup>, MRM<sup>+12</sup>, NLHB01, NP03, NRBO<sup>+05</sup>, OGRdO18, ÖHÜ<sup>+93</sup>, PPRL02, PRDF08]. **circulation** [PBGCD<sup>+13</sup>, PWMC01, PPB<sup>+22</sup>, PGS14, PVRA07, PPL<sup>+07</sup>,

PAUB19, Pri06, RAC<sup>+</sup>20, RHK<sup>+</sup>11, RMCAR06, RKHK<sup>+</sup>11, SMR<sup>+</sup>06, SH99a, SSLP95, SF04, SF11, SSG14, SMS03, Spa99, SSC<sup>+</sup>00, SJ00, TTW<sup>+</sup>05, TGLN93, VCRDF99, VHT<sup>+</sup>20, VIY02, WMW96, WMC06, WBA03, WTSP07, YAOW05, YCYK10, YH10, ZZM<sup>+</sup>13, ZG15, HMHY11].

**circulations** [HZN<sup>+</sup>16]. **circum** [ASMM11]. **Circumpolar** [BFF<sup>+</sup>07, CWTJ03, DKS11, FG97, GS06b, HKO<sup>+</sup>17, JHS<sup>+</sup>17, Kla97, LL01, LDD<sup>+</sup>97, Mar19, MGC<sup>+</sup>01, PRMM<sup>+</sup>17, RPMS95, RFQ99, SDB<sup>+</sup>97, SGP<sup>+</sup>02, SLP<sup>+</sup>17, VMBS03, VPSL15, ZGGF22, vdLCS<sup>+</sup>11, HH03]. **circumpolarity** [ABE<sup>+</sup>11]. **Cirripeds** [Di 10]. **Clade** [TFR<sup>+</sup>10]. **cladocerans** [dLC<sup>+</sup>14]. **Cladorhizidae** [DAGK<sup>+</sup>17, HRX17]. **clam** [DZL<sup>+</sup>17]. **clams** [LVJC17]. **Clarke** [ROY13]. **Class** [dLC<sup>+</sup>14, EWF<sup>+</sup>18, LWO<sup>+</sup>09]. **classes** [LPFS97]. **classical** [HCG<sup>+</sup>09, Joh19]. **Classification** [DFMW13, LSM<sup>+</sup>06a, BV04, CSG<sup>+</sup>15, DGT<sup>+</sup>17a, OM16]. **clay** [SHWW22]. **clay-size** [SHWW22]. **clean** [AKZL16, SHF<sup>+</sup>95]. **clean-up** [AKZL16]. **Cleve** [MA05]. **Climate** [Arr15, AGJ07, ENM<sup>+</sup>14, ENM<sup>+</sup>16, Ham07, HTTS12, HSW<sup>+</sup>02, HD07, LDG<sup>+</sup>23, Man94, MPL15, MCSF15, MC12, OAH<sup>+</sup>16, Pör06, SCB<sup>+</sup>16, STS<sup>+</sup>15, WNHF<sup>+</sup>15, YCA<sup>+</sup>20, ARWM13, AH17, AGL<sup>+</sup>19, AGGdC14, ASF<sup>+</sup>16, Arr16, ATN<sup>+</sup>12, AJP<sup>+</sup>22, BG08, Bea09, BFH<sup>+</sup>23, BSRM08, CHH<sup>+</sup>21, CMAO<sup>+</sup>12, CKB<sup>+</sup>07, CMJ<sup>+</sup>18, DW15a, DW15b, DWM<sup>+</sup>15, DP02, DLF<sup>+</sup>09b, DWJ<sup>+</sup>15, EEAC<sup>+</sup>20, ETD<sup>+</sup>11, EBG<sup>+</sup>15, EAB<sup>+</sup>20, FHAH16, FMC<sup>+</sup>20, FJR<sup>+</sup>20, GSVCCCH12, GO15, GHM<sup>+</sup>12, GBD<sup>+</sup>11, Har06, HSFN13, HAE<sup>+</sup>15, HBC<sup>+</sup>15, HBC<sup>+</sup>12, HHH<sup>+</sup>22, HIA<sup>+</sup>16, HMHY11, HMA20, IHPA16, JRK<sup>+</sup>17, KMMS18, KKUK10, KR07, LK11, LSNH15, LWL<sup>+</sup>16, LXWC21, LSWM22, LD07, LSB07, MRSLM<sup>+</sup>19, MFH04, MGK19, MTT<sup>+</sup>12, MWT<sup>+</sup>17, MSS15, OBA02, PRORSV<sup>+</sup>19, PGS14, PDC<sup>+</sup>21, ROPB03, RHPR15, Rod13, RBO07, RNB07, SLS17, SZH20, SLB13a, SMD06, SMSI08, SBSW07, TSWJ12, TLP<sup>+</sup>19, TMW<sup>+</sup>05]. **climate** [WCJ<sup>+</sup>11, WOS12, WCB08, WGNH15, WSB13, WLT20, ZPT<sup>+</sup>13, ZMYS13, ZT00]. **climate-catch** [MRSLM<sup>+</sup>19]. **Climate-dependent** [Pör06]. **Climate-driven** [LDG<sup>+</sup>23]. **climate-enhanced** [HIA<sup>+</sup>16]. **climate-induced** [AGL<sup>+</sup>19, GBD<sup>+</sup>11]. **Climate-mediated** [ENM<sup>+</sup>14, ENM<sup>+</sup>16, FJR<sup>+</sup>20]. **Climate-related** [SCB<sup>+</sup>16, YCA<sup>+</sup>20]. **Climatic** [TP02b, TP02a, TGFP02, BW04, LCW20, MCL<sup>+</sup>19, YKY<sup>+</sup>07]. **Climatological** [TSW<sup>+</sup>09, KVL<sup>+</sup>19, LC03, MQ01, TSS<sup>+</sup>02]. **climatologically** [DKJ13]. **climatologically-forced** [DKJ13]. **climatologies** [KC03, SDKH03]. **Climatology** [PWTH15, PW15, OWD13, RT14, WBJ<sup>+</sup>98]. **CLIMODE** [JTDG13]. **clinical** [DRR<sup>+</sup>14]. **CLIOTOP** [EAB<sup>+</sup>20, HAE<sup>+</sup>17]. **Clitellata** [UC13]. **clonality** [BCN<sup>+</sup>17]. **clones** [FRBB10]. **close** [BSE<sup>+</sup>16, Car10, RCL<sup>+</sup>09, VGBGPA02]. **closed** [BCH<sup>+</sup>19, DCD<sup>+</sup>14, GKH<sup>+</sup>07]. **closely** [VK04]. **closure** [WZZ<sup>+</sup>23]. **Clues** [WZB<sup>+</sup>14, DCC<sup>+</sup>13]. **Clupea** [ASF<sup>+</sup>16, GKR<sup>+</sup>18, Pro09, SPP22, TKF07]. **cluster** [RH14]. **clustered** [MC06]. **clustered-drifter** [MC06]. **CMarZ** [WBM<sup>+</sup>10]. **CMIP5** [LWS21, TdFAL19, WYOS18]. **CMIP6**

[CHH<sup>+</sup>21, HKC<sup>+</sup>21, KxF22, LWS21, LSWM22, QQJ<sup>+</sup>21, ZW23]. **Cnidaria** [AL14, BSJ13, Dau18, ROS<sup>+</sup>17, SS13a, SSK<sup>+</sup>23, Ste13]. **cnidarians** [HSY08]. **CO** [ALT<sup>+</sup>13, CFT<sup>+</sup>04, DHW98, ECD<sup>+</sup>17, Hei02, IIM02, PNS<sup>+</sup>09, SMP<sup>+</sup>15, TSS<sup>+</sup>02, WTL<sup>+</sup>06, YKS<sup>+</sup>19, ZNM<sup>+</sup>02, BBB<sup>+</sup>11b, MBHP99, OM14, BL99, CCS<sup>+</sup>16, ODCP98, PKHH17, RHD<sup>+</sup>18, SAB08, TFR<sup>+</sup>10, ZHK<sup>+</sup>05, AAG06, AKBD13, BBL<sup>+</sup>13, Bat01, BCWT00, BCM02, CG07, CB09a, CFT<sup>+</sup>04, CBB<sup>+</sup>95, CMNM16, CMB02, DOBH02, DVPR06, DLF<sup>+</sup>09b, DTR<sup>+</sup>09, DWW<sup>+</sup>02, FWC<sup>+</sup>95, FBC<sup>+</sup>02, IIM<sup>+</sup>09, ITMG18, KRF01, KOLA<sup>+</sup>18, KGdC<sup>+</sup>18, LSF<sup>+</sup>01, LBM09, MLVM02, MCJ<sup>+</sup>99, Mun07, MKS<sup>+</sup>02, NBSM01, NMW<sup>+</sup>09, NSvH<sup>+</sup>11, PWF03, PGK15, SDCH99, TSS<sup>+</sup>02, TSW<sup>+</sup>09, Zon07, vHHH<sup>+</sup>11, NOT<sup>+</sup>09, NCT13, NEN<sup>+</sup>07]. **Co-limitation** [BBB<sup>+</sup>11b, MBHP99]. **co-limited** [ZHK<sup>+</sup>05]. **co-occurring** [ODCP98, PKHH17, TFR<sup>+</sup>10]. **co-production** [RHD<sup>+</sup>18]. **co-variability** [BL99, CCS<sup>+</sup>16]. **co-variation** [SAB08]. **Coagulation** [DD95, Jac95a, Jac95b, LPA<sup>+</sup>95]. **coarctatus** [GKBG17]. **coast** [AKZL16, BMK05, CLF<sup>+</sup>09, FVSR14, FPS10, FMFW07, FA02, HVWH09, HHMF11, IATK17, KDG<sup>+</sup>97, LWSZ13, MTMH11, NLDJ14, NPBS00, OG11, PTS01, RAL04, SW09, SLM<sup>+</sup>20, SPF10, SSW05, SGI<sup>+</sup>19, SGW<sup>+</sup>00, SKW07, SDLZ13, TWPP07, VBM<sup>+</sup>19, WT14, WGMW10, WNRM08, WMP<sup>+</sup>11, Ano14, DCS<sup>+</sup>18, KHGL<sup>+</sup>02, MMMC07]. **Coastal** [BT04, CPS05, HHD<sup>+</sup>09, LHM14a, MBOvL08, PCJ<sup>+</sup>05, PKA95, PHS<sup>+</sup>17b, SBC<sup>+</sup>16, WDR05, ATM<sup>+</sup>07, Ake19, ADBU18, AHV<sup>+</sup>00, Ano05d, AMK<sup>+</sup>05, BPS00, BC05, BMK05, BHS<sup>+</sup>19, BCVCHW04, BLD<sup>+</sup>06, BFF<sup>+</sup>10, CJA<sup>+</sup>06, CFZ<sup>+</sup>18, CSW<sup>+</sup>18, CB09a, CWL<sup>+</sup>23, CA06b, CBA<sup>+</sup>20, CBA<sup>+</sup>05, DSBS20, DHW98, DHGO23, DHS<sup>+</sup>09, DWHM06, EQW<sup>+</sup>13, EDF<sup>+</sup>04, EO02, FME<sup>+</sup>09, FWR<sup>+</sup>02, GBP00, GKB<sup>+</sup>18, GVD<sup>+</sup>97, HPWP07, HWTP07, HSO04, HTA<sup>+</sup>17, HCHD09, HS05a, HEV<sup>+</sup>10, HLS<sup>+</sup>02, HWP<sup>+</sup>07, HTW14, HCRX16, Ike03, JJVH18, JCPC09, JFM<sup>+</sup>17, KCMA05, KC03, KC04, KGB06, LLK<sup>+</sup>16, LLR<sup>+</sup>06, LWDH06, LAGK<sup>+</sup>18, LDGH16, LPPK14, MTGY05, MBH<sup>+</sup>96, MM05, MTD<sup>+</sup>18, MPF<sup>+</sup>17, MBC<sup>+</sup>09a, MAA<sup>+</sup>04, MAA<sup>+</sup>05, MKVT<sup>+</sup>04, NC97, NKB95, OC00, OTH05, PRC<sup>+</sup>09, PBG<sup>+</sup>10, PJLO<sup>+</sup>17, PK03, PFX<sup>+</sup>02, RHI00, RMBG11, Roy05, SH99c, SGW<sup>+</sup>15, SAM96, SFB16, SFB19, SRS11, TAMTC<sup>+</sup>13]. **coastal** [TDCV<sup>+</sup>06, Thu98, TMC<sup>+</sup>14, TLR<sup>+</sup>00, VLP<sup>+</sup>17, VSFF09, WLM23, WMB<sup>+</sup>08, WCH05, WCSA<sup>+</sup>16, WYW<sup>+</sup>02, YK05, YSBH06, bsBD<sup>+</sup>20, vGTG<sup>+</sup>00]. **coastal-oceanic** [BHS<sup>+</sup>19]. **coastline** [WRBS10]. **coasts** [PNC<sup>+</sup>06, SMLP04, TBW<sup>+</sup>11, WLR<sup>+</sup>00, vCO09]. **coatsorum** [RDW<sup>+</sup>22]. **Cobalt** [NSMBN08]. **Cobscook** [HTW14]. **coccoid** [SSW05]. **Coccolith** [Tan03, BZvHH00, SZS<sup>+</sup>07, YZ00, ZdBB<sup>+</sup>07]. **coccolith-CaCO** [BZvHH00]. **Coccolithophore** [BZvHH00, BBV00, CBT01, HT01, STD<sup>+</sup>20, ZT00, And00, BAR<sup>+</sup>02, ILCCC07, FS02, GSdS<sup>+</sup>14, PMS<sup>+</sup>20, PABH07, RWR<sup>+</sup>02, RWZ<sup>+</sup>02, SBH<sup>+</sup>02, SZS<sup>+</sup>07, WABW02, WTZ02]. **coccolithophore-dominated** [WTZ02]. **Coccolithophores** [BAS00, GC07, GMMS05, Zon07]. **coccolithophorid** [SMGB02, SMGB03].

**Coccolithophorids** [BH99a, SWZA02]. **coccoliths** [SLB<sup>+</sup>15, ZBVH<sup>+</sup>00].  
**Coccolithus** [TTA<sup>+</sup>16]. **Cocculinid** [YERT13]. **cod**  
 [BZS<sup>+</sup>16, BD06, CMNO23, CCC<sup>+</sup>23, CSS<sup>+</sup>22b, DTWF17, Dri09, EGOO22,  
 FHAH16, HTPM14, HCAK17, HSC<sup>+</sup>19, IAA96, JGM09, KVS<sup>+</sup>09, LSHB09,  
 LM96, LCR<sup>+</sup>96, LBB<sup>+</sup>06, LLW01, MMS<sup>+</sup>19, MEB<sup>+</sup>23, MDH16, MZH16,  
 NHCL14, ODR<sup>+</sup>09, RG06a, RG06b, SRFR07, SH16, SHPM14, SSB<sup>+</sup>07,  
 VSFF09, WPLN96, JDBP<sup>+</sup>05]. **cods** [PFPJ<sup>+</sup>09, WWN<sup>+</sup>22]. **coefficient**  
 [DNA97, MNSMN<sup>+</sup>04]. **coefficients** [STWW01]. **Coelodendridae**  
 [PPC<sup>+</sup>07]. **Coelodicerus** [PPC<sup>+</sup>07]. **Coelorinchus** [FARLR<sup>+</sup>13].  
**Coexistence** [Gut06]. **Coherent** [MDSA19, SLP<sup>+</sup>09]. **cohesive** [LYL22].  
**Coho** [LWO<sup>+</sup>09, TBH09]. **cohorts** [LCW20, VSFF09]. **COI** [ABE<sup>+</sup>11].  
**coincidence** [BWD20]. **colbecki** [SL06]. **Cold** [Cor10, FBP<sup>+</sup>17, GPCC<sup>+</sup>17,  
 HRSJ23, KCD<sup>+</sup>17, KBFH14, LSL<sup>+</sup>15, ODP<sup>+</sup>17, RFJ10, SC10, SKdS<sup>+</sup>14,  
 WMB<sup>+</sup>13, AM22b, Ala22, ASF<sup>+</sup>16, AHVB<sup>+</sup>17, BBAL<sup>+</sup>20, BBS<sup>+</sup>20,  
 BCN<sup>+</sup>17, BDL<sup>+</sup>14, BNP<sup>+</sup>09, BHSJ16, BPR<sup>+</sup>10, BR14, CBHF10, CNM17,  
 DCC<sup>+</sup>17, DGT<sup>+</sup>17a, EFW<sup>+</sup>14, ESL<sup>+</sup>10, FR10, FRC<sup>+</sup>10, FC15, FDP<sup>+</sup>14,  
 GGO<sup>+</sup>14, HS96, HWK<sup>+</sup>14, HHH<sup>+</sup>22, HFL<sup>+</sup>15, JBJ17, JBS<sup>+</sup>10, KB15, Kel10,  
 KHL<sup>+</sup>17, LPdR<sup>+</sup>14, LDBvdB17, LPPC<sup>+</sup>10, LLM<sup>+</sup>17, LZZ<sup>+</sup>16, LPMS09,  
 LGR<sup>+</sup>14, MRB<sup>+</sup>14, MTM<sup>+</sup>13, MST<sup>+</sup>14, MSA<sup>+</sup>14, NOFP14, NLDJ14, OG11,  
 OJK<sup>+</sup>10, OWW<sup>+</sup>12, PL04, RRL<sup>+</sup>14, RVC<sup>+</sup>13a, RDV<sup>+</sup>09, RBJW16,  
 ROC<sup>+</sup>21, ROBV<sup>+</sup>18, Sco05, SO98, SKM<sup>+</sup>12, SSR<sup>+</sup>14, SGM<sup>+</sup>14, SDGH14,  
 SKW07, TAC<sup>+</sup>17, TH99, VDS<sup>+</sup>20, WPJW96, ZWM12, vCO09, GdRGH<sup>+</sup>14].  
**cold-air** [Sco05]. **cold-core** [LPMS09, OG11, SKW07]. **Cold-seep**  
 [RFJ10, WMB<sup>+</sup>13, FR10, FRC<sup>+</sup>10, HFL<sup>+</sup>15, JBS<sup>+</sup>10, OJK<sup>+</sup>10, SO98].  
**Cold-seep-like** [ODP<sup>+</sup>17]. **Cold-Water** [Cor10, FBP<sup>+</sup>17, GPCC<sup>+</sup>17,  
 KBFH14, SKdS<sup>+</sup>14, AHVB<sup>+</sup>17, BDL<sup>+</sup>14, BR14, CNM17, DCC<sup>+</sup>17,  
 DGT<sup>+</sup>17a, EFW<sup>+</sup>14, ESL<sup>+</sup>10, FDP<sup>+</sup>14, GGO<sup>+</sup>14, HWK<sup>+</sup>14, JBJ17,  
 LPdR<sup>+</sup>14, LDBvdB17, LLM<sup>+</sup>17, MRB<sup>+</sup>14, MTM<sup>+</sup>13, MSA<sup>+</sup>14, NOFP14,  
 RRL<sup>+</sup>14, RVC<sup>+</sup>13a, ROC<sup>+</sup>21, SSR<sup>+</sup>14, SDGH14, TAC<sup>+</sup>17]. **coldspots**  
 [WC24]. **collaboration** [GKB19, HAE<sup>+</sup>17, LTF<sup>+</sup>19]. **Collaborative**  
 [MHO02]. **collapse** [GBD<sup>+</sup>11, MCS<sup>+</sup>09]. **collapsing** [SFD04]. **collected**  
 [BEB<sup>+</sup>13, BEM<sup>+</sup>15, CR06, Can06, CP22, FB15, FK98, HAP03, HSY08,  
 Kyt02c, LCL<sup>+</sup>09, MB15, Mar18, SBBP<sup>+</sup>15, Ste13, SLB13b, YA03].  
**collection** [FA03]. **Collections** [KTSI07]. **colliei** [KM15]. **Colloidal**  
 [NKB95, FCW<sup>+</sup>15]. **Cololabis** [TSB<sup>+</sup>14]. **Colón** [SCC98]. **colonial**  
 [SDMC03]. **colonies** [LPPCF10, PZL<sup>+</sup>09]. **Colonization**  
 [MCD<sup>+</sup>09, BDG<sup>+</sup>04, BRPH20, HDR<sup>+</sup>11, HK07, LV17, MTGY05, MMG98,  
 OGG<sup>+</sup>15, PPFS17, RHW04]. **colonizing** [YERT13]. **colony**  
 [AHVB<sup>+</sup>17, HPS<sup>+</sup>13, NCR<sup>+</sup>08]. **color**  
 [CFS<sup>+</sup>06, CWP<sup>+</sup>15, DDN<sup>+</sup>04, HGAB04, KMLC<sup>+</sup>04, KKMSM12, KC04,  
 LW04, MCS<sup>+</sup>02, MCS<sup>+</sup>03, MSC04, MKRY01, Pal04]. **colored**  
 [DC00, GMC<sup>+</sup>12, MORB<sup>+</sup>15]. **colour** [MXC15, PTA<sup>+</sup>99, RN06, WPAP01].  
**Columbia** [DCS<sup>+</sup>18, HBCG14, NDE14, HSBT19, KM15, MY99, MPZ04,  
 PDC<sup>+</sup>99, VBM<sup>+</sup>19, WWB04, ZPG14]. **column** [ADAM02, BCI02, BFT<sup>+</sup>97,



BRSIW95, BBB<sup>+11a</sup>, BT15, CB16, CA06b, ÇYFB<sup>+06</sup>, ÇYAYT06, CMA<sup>+09</sup>,  
 CMB02, CPEN08, Cri95, DSO<sup>+97</sup>, DGB<sup>+98</sup>, DFK<sup>+06</sup>, EPPR09, GRS00,  
 GQ09, HSS<sup>+18</sup>, HLNO96, HCRX16, JB01, KWF<sup>+19</sup>, KMLT06, LMM<sup>+17</sup>,  
 LSC02, MS06a, Mas01, MGC<sup>+14</sup>, MKH<sup>+05</sup>, NSKG96, PFW<sup>+09</sup>, PPRHLF02,  
 PLS<sup>+03</sup>, RTC06, RTFB09, SvdLM95, SSUB15, SSL98, SFG98, SBA<sup>+20</sup>,  
 SKM<sup>+14b</sup>, TGRB02, WHL<sup>+97</sup>, WWH97, YNG<sup>+16</sup>, Zon97].  
**column-benthic** [MKH<sup>+05</sup>]. **columns** [HHH<sup>+15</sup>, VKM13]. **comatulid**  
 [EBG<sup>+11</sup>]. **Combined** [TWL<sup>+15</sup>, BGCH20, KMD<sup>+01</sup>, MYN<sup>+96</sup>].  
**Combining** [JLAD95, VALW23, BWS<sup>+98</sup>, RN06]. **COMICS**  
 [GSB<sup>+23</sup>, VABCR<sup>+24</sup>]. **commensal** [STB<sup>+17</sup>]. **Comment**  
 [BJF16, Eif05, JW05a, JR11, PTMH16]. **commentary** [BH19b, Ste10].  
**comments** [CBMM15, SLC<sup>+15</sup>]. **commercial**  
 [BGIJ<sup>+06</sup>, JR04, MES<sup>+23</sup>, Pas18, SID19, YKO15, ZNM<sup>+02</sup>]. **commercially**  
 [ADK<sup>+15</sup>, DM16b, SDB<sup>+19</sup>]. **commerson** [WYL<sup>+20</sup>]. **Common**  
 [CV17, GQ09, CHV<sup>+15</sup>, LAP<sup>+17</sup>, SM12, SL06, VVM<sup>+12</sup>, VSFF09].  
**communities**  
 [ATI<sup>+23</sup>, ALSF<sup>+17</sup>, ACR<sup>+20</sup>, AZYT16, BN97, BLM<sup>+14</sup>, BOHW22, BAS00,  
 BM17, BN04, BEZ<sup>+22</sup>, BRBD17, CBNR<sup>+09</sup>, CB97, CSM<sup>+13a</sup>, CHV<sup>+15</sup>,  
 CMNM16, CBJ<sup>+23</sup>, CGG<sup>+19</sup>, Cor10, CNM17, DSB<sup>+18</sup>, DDN<sup>+04</sup>, DND04,  
 DHGO23, DLKP14, DKP<sup>+17</sup>, DSYH09, EP18, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, FBB<sup>+13</sup>,  
 GMR<sup>+09</sup>, GTTKB14, GD07, GGP<sup>+14</sup>, GARVK04, HHH<sup>+15</sup>, HCS05, HLL<sup>+09</sup>,  
 HBB<sup>+13</sup>, HV03, JJVH18, JYM<sup>+15</sup>, JLY<sup>+16</sup>, JKP<sup>+17</sup>, JLJ<sup>+12</sup>, KOO<sup>+24</sup>,  
 KRS<sup>+11</sup>, KGB16, KCL20, KHL<sup>+17</sup>, LLR<sup>+06</sup>, bLHsL<sup>+13</sup>, LB14, MPZ04,  
 MP99, MTB09, MTK<sup>+18</sup>, MCD<sup>+09</sup>, MBC<sup>+09a</sup>, MGK<sup>+17</sup>, MFS<sup>+23</sup>, NBB<sup>+02</sup>,  
 NHH<sup>+13</sup>, NMS09, NRH<sup>+20</sup>, ODP<sup>+17</sup>, PBMM14, PDE<sup>+16</sup>, PRSS23, Qué13,  
 RLB<sup>+18a</sup>, RH14, RAF<sup>+11</sup>, RHD<sup>+18</sup>, RVS11, RAB<sup>+17</sup>, RPZ<sup>+14</sup>, RKM<sup>+22</sup>,  
 SLS<sup>+09</sup>, SLDL93, SLS<sup>+10</sup>, SS09, SO98, SKL<sup>+22</sup>, SPEPS18, SBE<sup>+99</sup>,  
 SBSW07, SKW07, TBW<sup>+11</sup>, TDCV<sup>+06</sup>, TMP<sup>+13</sup>, VGSV09, VSD<sup>+97</sup>, VD98].  
**communities** [Vri13, WW04a, WLC99, XGL15, XSM<sup>+19</sup>, YWI<sup>+02</sup>,  
 YPY<sup>+13</sup>, ZFA<sup>+02</sup>, dSEDW11]. **Community**  
 [BGB08, FWP<sup>+07</sup>, GBH<sup>+01</sup>, HTD13, HPM02, JBR<sup>+18</sup>, LPPC<sup>+10</sup>, MSH10,  
 PF04a, PBO<sup>+11</sup>, RMB05, SSI<sup>+09</sup>, WREC18, AHR<sup>+06</sup>, AYMSAS19,  
 ADBU18, Ano97c, ACBMQ08, ADGA05, ADGA06, AS95, BH14, BS03,  
 BBH05, BCN<sup>+16</sup>, BGCH20, BGWF08, BG94, BF14, Blu01, BDG<sup>+04</sup>,  
 BMGC09, BGKB06, BL01b, BLC<sup>+02</sup>, BLS<sup>+08</sup>, BMSBM<sup>+17</sup>, CLC<sup>+98</sup>,  
 CTBNL08, CDM23, CSW<sup>+17</sup>, CSGC03b, CCW<sup>+08</sup>, CBW01, CBHF10,  
 CKB<sup>+07</sup>, CPEN08, CMB12, CRI18, CJM<sup>+22</sup>, DSN<sup>+10</sup>, DGN<sup>+17</sup>, DCA09,  
 DPS<sup>+14</sup>, DBS98, ENM<sup>+14</sup>, ENM<sup>+16</sup>, EBDL08, ECS<sup>+17</sup>, FSP<sup>+16</sup>, Fro04,  
 FAMY20, GdRGH<sup>+14</sup>, GML99, GGPM05, GQ09, GS06b, GKGW22,  
 HWTP07, HAH<sup>+01</sup>, HKN<sup>+09</sup>, HNK<sup>+12</sup>, HWS<sup>+98b</sup>, HSR<sup>+22</sup>, HKP10,  
 HSK<sup>+00</sup>, HZYZ10, HHX<sup>+10</sup>, HWTN22, Hug14, HPS<sup>+11</sup>, IIM02, IHI<sup>+97</sup>,  
 JMN<sup>+15</sup>, JTK<sup>+14</sup>, KBL01, KSH<sup>+09</sup>, KFG<sup>+03</sup>, KCTG16, KAM<sup>+20</sup>, KW00,  
 KNN<sup>+06</sup>, KCO<sup>+19</sup>, LCD<sup>+24</sup>, LRR<sup>+04</sup>, LK02, LHD<sup>+22</sup>, LDBvdB17].  
**community** [LRN<sup>+14</sup>, LMM<sup>+97</sup>, LPPCF10, LGML00, LMKL09, LLH<sup>+15</sup>,

LWW<sup>+15</sup>, LTW<sup>+22</sup>, LXS<sup>+13</sup>, LLT<sup>+00</sup>, LDSV98, MC05, MBHN02, MBHB09, MWK<sup>+20</sup>, MK21, MC18b, MCH22, MNV<sup>+20</sup>, MLK<sup>+12</sup>, MCL<sup>+12</sup>, MLS<sup>+15</sup>, MPTW11, NGS<sup>+15</sup>, NGS<sup>+20</sup>, NMC<sup>+07</sup>, NTH10, NPA<sup>+22</sup>, OYM<sup>+13</sup>, OYK15, OS02, PKW07, PK03, PTD<sup>+14</sup>, PMS<sup>+07</sup>, PABH07, PCP<sup>+17</sup>, QED<sup>+14</sup>, RKTG14, RSF<sup>+99</sup>, RIBW99, RWZ<sup>+02</sup>, RSR10, RMNB08, RBS<sup>+17b</sup>, SD06a, SWL<sup>+18</sup>, SSMM<sup>+08</sup>, SLMP07, SLA<sup>+01</sup>, SFW08, SRF<sup>+09a</sup>, SFV<sup>+98</sup>, SSAL<sup>+17</sup>, SVS93, SAW16, SSI19, SMB<sup>+98</sup>, SSP<sup>+06</sup>, SE14, SGM<sup>+14</sup>, SCWK08, SWMB10, SKH10b, SHC<sup>+00</sup>, TBEW99, TZS<sup>+01</sup>, TLSY11, TLSW15, TLR<sup>+00</sup>, TDKA05, UKM16, ULTL16, WGB<sup>+04</sup>, WAT12, WvdEM00, WCH<sup>+93</sup>, WBD17, WABW02, WTT<sup>+20</sup>, WvdE00, WvdEP<sup>+10</sup>, YHK15, YJL16, YNK07, Zel01, ZJH08, ZLW<sup>+19</sup>]. **compagnoi** [SLC<sup>+15</sup>]. **Comparative** [EAB<sup>+20</sup>, GMR<sup>+05</sup>, HPN<sup>+12</sup>, JASS02, KKSA19, LTG<sup>+09</sup>, RWN<sup>+08</sup>, Sum19, ZJH08, BDW<sup>+96</sup>, HAE<sup>+17</sup>, KYW20, LDHO<sup>+14</sup>, LH15, LPS14, MKD<sup>+20</sup>, NEO<sup>+07</sup>, RNP93, WZZ<sup>+23</sup>, WCS07, XZW<sup>+19</sup>]. **compared** [BQT08, LCE<sup>+23</sup>, SA15b, WGR<sup>+95</sup>]. **Comparing** [DLW<sup>+17</sup>, HON<sup>+13</sup>, HWJ20, Jac95a, KSM<sup>+11</sup>, OLP<sup>+20</sup>, WAC<sup>+09</sup>, FR10, NA13]. **Comparision** [OE06]. **Comparison** [ATM<sup>+07</sup>, AGGdC14, CBK<sup>+07</sup>, Dri09, Dud06, ETP<sup>+16</sup>, HPH<sup>+16</sup>, IYM10, KJL<sup>+17</sup>, KKD06, MR15, NRH<sup>+20</sup>, SRDV07, SKM<sup>+12</sup>, SGM<sup>+14</sup>, SKW07, TRM<sup>+15</sup>, WBO07, YLK<sup>+15</sup>, Zim19, bsBD<sup>+20</sup>, vdLBB<sup>+02</sup>, ABKL96, BAS00, BMML06, BGB08, BB03, BWAS02, BRBD17, Boy02, BBBM04, BL06, CFGR07, CFJL96, CFS<sup>+06</sup>, CES98, CC15, CCL<sup>+14</sup>, CMT93, CBW01, CM01, CDJM04, Dal04, DEL<sup>+17</sup>, DKJ13, DLKP14, DBC<sup>+02</sup>, DBH<sup>+20</sup>, EMG<sup>+15</sup>, FRC<sup>+10</sup>, FO05, GSGS01, GLdS<sup>+09</sup>, GWP<sup>+98b</sup>, HBP<sup>+14</sup>, HPS<sup>+13</sup>, HZS00, HCHD09, HIA<sup>+16</sup>, JVDH08, Kam18, KGE<sup>+04</sup>, LB98a, LR97, LMG93, LW15, MBW<sup>+03</sup>, NVK<sup>+04</sup>, RJWD01, RD97, RHPC<sup>+19</sup>, RTC<sup>+07</sup>, RAL<sup>+01</sup>, SCGDU09, Sch02a, SVKT20, SFK<sup>+12</sup>, SCWK08, WPHL02, WCRG95, WAT12, WEB93, YD09, ZNM<sup>+02</sup>]. **Comparisons** [JWS01, MPZ04, MBS05, TSWJ12, CRT<sup>+00</sup>, DIM<sup>+12</sup>, HJS<sup>+10</sup>, MSH10, MDI<sup>+12</sup>, RDLZ02, WBJ<sup>+98</sup>]. **compensation** [SVS<sup>+20</sup>]. **competence** [BA01]. **competency** [GdRGH<sup>+14</sup>, VSGM03a, VSGM03b]. **competing** [PSUH<sup>+16</sup>]. **competition** [ARWM13, DMFB19, LSWH07]. **compilation** [LMB<sup>+98</sup>, Lut09]. **compiled** [FRW00]. **Complementarity** [Bro19]. **Complementary** [MS18]. **Complete** [FB14]. **Complex** [DSE<sup>+14</sup>, DDB<sup>+17</sup>, DJC<sup>+14</sup>, KBB07, ROB<sup>+17</sup>, SDT<sup>+17</sup>, SJD<sup>+11</sup>, TT17, Vri09]. **complexation** [BSS15, PD01, TGK<sup>+11</sup>, TAL<sup>+12</sup>]. **complexed** [TLF97]. **complexing** [ISB<sup>+11</sup>]. **Complexities** [BFK<sup>+14</sup>]. **complexity** [BF14, FHW06, MDK<sup>+01</sup>]. **component** [BA10, BWD20, RI05, WDMEL01]. **components** [HIN<sup>+02</sup>, JCP<sup>+22</sup>, SNIT02]. **composite** [HMA20]. **Composition** [Ala18, Ala22, BHJ<sup>+14</sup>, BFB<sup>+18</sup>, BCB07, CMH09, FB15, GSB<sup>+03</sup>, Kam15, KRS<sup>+11</sup>, Kyt02a, MB15, SSMM<sup>+08</sup>, WACGH11, WAP<sup>+18</sup>, ZRC<sup>+11</sup>, AWL<sup>+09</sup>, AHR<sup>+06</sup>, Ala13, Ala15, ADBU18, ARC02, AHV<sup>+17</sup>, Ano97b, ADGA05, ADGA06, ASF<sup>+12</sup>, BRCFP23, BDR16, BTV<sup>+11</sup>, BH14, BBL14, BGS98, BMGF93, BSK<sup>+97</sup>, BS98, BOB20, BTR20, BRP<sup>+13</sup>, BAF<sup>+18</sup>, BZvHH00, BOKA16, CVF11, CAFK03b, CBHF10, CG04, CPEN08,

DDN<sup>+04</sup>, DSN<sup>+10</sup>, DGMS96, DB05, DPS<sup>+14</sup>, DDB<sup>+17</sup>, DAN23, DKGT04, EBGCL08, ER05, FLLGR04, FGW02, FCBD08, GVW<sup>+19</sup>, GSM<sup>+08</sup>, GBH<sup>+17</sup>, GBLS00, GFS99, GK02, HMH<sup>+02</sup>, HK01, Hil04, HTD13, Hug14, IOK03, iTT<sup>+15</sup>, JBR<sup>+18</sup>, JLR<sup>+13</sup>, Kam13, Kam18, KSH<sup>+09</sup>, KSL<sup>+04</sup>, KCZ<sup>+19</sup>, KR95, KME18, KMM<sup>+08</sup>, KYI10a, KLY<sup>+15</sup>, KHH<sup>+17</sup>, LCVV06, LCD<sup>+24</sup>, LOA15, LPPC<sup>+10</sup>, LPPCF10, Lin04, LKH<sup>+07</sup>, MC05, MGHN01]. **composition** [MHA<sup>+01</sup>, MHPS19, MO96, MNV<sup>+20</sup>, MNPT06, MLK<sup>+12</sup>, NMK<sup>+20</sup>, NESB<sup>+15</sup>, NDG96, OA11, PVK<sup>+20</sup>, PK03, PTD<sup>+14</sup>, PTWM12, PMS<sup>+07</sup>, PGZ<sup>+09</sup>, QNL<sup>+16</sup>, RCW<sup>+15</sup>, RRWR08, RSF<sup>+99</sup>, RNR20, RJGBF02, RQRVM10, RBS<sup>+17b</sup>, SSMC10, SLA<sup>+01</sup>, SOS01, SRH<sup>+11</sup>, SFG98, SHH03, SBG<sup>+98</sup>, SHR02, SGM<sup>+14</sup>, SL12, STR<sup>+14</sup>, SBS<sup>+08</sup>, STS11, TLSW15, TMP<sup>+19</sup>, TDKA05, VOK<sup>+24</sup>, WMS<sup>+96</sup>, WCWW99, WCL<sup>+15b</sup>, Zel01, ZCG<sup>+12</sup>, ZWJ<sup>+19</sup>, KVB<sup>+09</sup>]. **Compositional** [MvSHD01, DF16].

**Compositions** [WHL<sup>+97</sup>, BLM<sup>+10</sup>, CH07, CMVS<sup>+10</sup>, CML<sup>+09</sup>, JKP<sup>+17</sup>, KJL<sup>+17</sup>, KLL03, KWPB15, KLJ<sup>+16</sup>, SHWW22, WBD17, YLK<sup>+15</sup>, ZWQ<sup>+19</sup>]. **compound** [EBG<sup>+15</sup>]. **compounds** [ABC<sup>+04</sup>, HTML98, HML99, PSK00a].

**Comprehensive** [PMJ20, BMG<sup>+04</sup>, CW18]. **compression** [SLS17].

**compromise** [SLD<sup>+13</sup>]. **computations** [Lar04]. **Computer** [OM02, PWL07]. **concentrating** [NSMBN08]. **Concentration** [HAP03, SZG<sup>+13</sup>, ATS<sup>+96</sup>, BSS20, CMNM16, DO96, GMM<sup>+20</sup>, GWWL03, MPS<sup>+21</sup>, MGR03b, NDT<sup>+01</sup>, PHD<sup>+18</sup>, PLHMA06, SWR<sup>+95</sup>].

**Concentrations** [RWJ06, ARF<sup>+13</sup>, BSE<sup>+16</sup>, BMML06, CBV<sup>+16</sup>, EGL<sup>+16</sup>, FJG<sup>+00</sup>, FBCN00, GMR06, HTS<sup>+09</sup>, HK01, HA03, IS07, Ike03, KSBK01, KLLO98, KMD<sup>+01</sup>, Kyt02b, LOA15, LMM<sup>+17</sup>, LZB96, LCL<sup>+09</sup>, NTK<sup>+09</sup>, OHT12, OE06, RVC<sup>+13a</sup>, RGS<sup>+97</sup>, SMLP04, SG99, SRW<sup>+10</sup>, TP99, TRM<sup>+15</sup>, WSS<sup>+08</sup>, WR01, WSB<sup>+09</sup>, XWZ24]. **Concepción** [CDJM04, MFG<sup>+04</sup>, UPS04, VLSS<sup>+04</sup>]. **concept** [MST<sup>+14</sup>]. **concepts** [MSS15, NTA<sup>+10</sup>]. **Conceptual** [SHM13, MD06, RDSA<sup>+21</sup>, VSGGPR14].

**concinna** [GWDP11]. **conclusions** [BFF94]. **concretions** [FSCC07, GPBV<sup>+07</sup>]. **concurrent** [JOD98, MT98, VALW23]. **Condition** [NVK<sup>+04</sup>, VMF<sup>+16</sup>, BZMC20, CLB96, CCC<sup>+23</sup>, CSS<sup>+22a</sup>, CSS<sup>+22b</sup>, DDAH<sup>+14</sup>, FHAH16, GKR<sup>+18</sup>, HSFN13, HRM<sup>+18</sup>, JH04, KMOM19, LCR<sup>+96</sup>, MCBC08, MZH16, NKK<sup>+00</sup>, NLY<sup>+13</sup>, OVKN11, SMH<sup>+06</sup>, SRFR07, VKM<sup>+10</sup>, WBA<sup>+17</sup>]. **Conditions** [LMH<sup>+18</sup>, ASF<sup>+16</sup>, BN05, BES11, BKP<sup>+20</sup>, BG08, BBL<sup>+13</sup>, BZ20, BFDB17, BCDV02, BMH<sup>+94</sup>, BLH05, BVB<sup>+14b</sup>, CAS<sup>+16</sup>, CJA<sup>+06</sup>, CFKS05, CFS09, CDJM04, Dal04, DSG<sup>+09b</sup>, DBL<sup>+05</sup>, DG18, EGG<sup>+05</sup>, FBP<sup>+17</sup>, FLLGR04, FLTV04, GEP<sup>+16</sup>, GWWL03, GNT<sup>+17</sup>, Had11, HSB<sup>+16</sup>, HMW00, HSR<sup>+16</sup>, HSFN13, HNRGL06, ITT12, JTW00, JD08, JGM09, KB99, KFF<sup>+94</sup>, KSH12, KMM<sup>+08</sup>, KTSI07, KT02, LT16, LH15, LLK05, LAT<sup>+18</sup>, MPG<sup>+97</sup>, MDTS11a, MPV<sup>+11</sup>, MAK<sup>+16</sup>, MAA<sup>+04</sup>, MAA<sup>+05</sup>, NVBJ08, NCR<sup>+08</sup>, OT12, PS04a, PNL<sup>+19</sup>, RRL<sup>+14</sup>, RMB05, RVJG<sup>+02</sup>, RVJG<sup>+05</sup>, RSS01, SMZ<sup>+08</sup>, SMB<sup>+13</sup>, SLS17, SAA<sup>+17</sup>, SSR13, SHH03, SBG<sup>+03</sup>, SBK08, SMH<sup>+11</sup>, SLP<sup>+17</sup>,

TBW<sup>+11</sup>, UPS04, VGGLB15, VPP07, WSB13, YFL<sup>+23</sup>, vOSG<sup>+11</sup>].  
**CONDOR** [GMB13, BLM13, BRP<sup>+13</sup>, CVA<sup>+13</sup>, CSM<sup>+13a</sup>, CGPM13, MDG13, MG13, PGPI<sup>+13</sup>, PGPP<sup>+13</sup>, RG13, SMB<sup>+13</sup>, THM<sup>+13</sup>, ZBC<sup>+13</sup>].  
**conducted** [SL12]. **confamilials** [SI09]. **Conference** [Ano06e]. **confidence** [SSM09]. **Configuring** [SMA01]. **confined** [AJG<sup>+10</sup>, DL04]. **conflicts** [HBC<sup>+15</sup>]. **Confluence** [GSMG04]. **confronted** [BCE<sup>+07</sup>]. **confronting** [PCL22]. **Congo** [BMD<sup>+17</sup>, BSS<sup>+17</sup>, CRD<sup>+17</sup>, DDB<sup>+17</sup>, MRP<sup>+17</sup>, OCG<sup>+09</sup>, ODP<sup>+17</sup>, PTD<sup>+17</sup>, PCB<sup>+17</sup>, PDS<sup>+17</sup>, RCL<sup>+09</sup>, ROB<sup>+17</sup>, RBDO17, RdGM<sup>+09</sup>, SBDB09, SSB<sup>+17</sup>, SDT<sup>+17</sup>, TBC<sup>+17</sup>, VPA<sup>+09</sup>, VKC09, vCO09].  
**Congolobe** [ROB<sup>+17</sup>, RBDO17]. **Connecting** [MD17, RH14, HGM<sup>+11</sup>].  
**connection** [BPS00, CBBM12, Har06]. **connections** [MTWH04].  
**Connectivity**  
 [CBA<sup>+20</sup>, HSC<sup>+19</sup>, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, GSC<sup>+19</sup>, GDAMS19, LHM14a, PHH<sup>+16</sup>, RMBG11, SWK<sup>+23</sup>, SGI<sup>+19</sup>, TM22, VVM<sup>+12</sup>, VHC<sup>+17</sup>, YSC<sup>+20</sup>].  
**connexions** [CPF<sup>+14</sup>]. **consecutive** [RSF<sup>+99</sup>]. **Consequences** [VHT<sup>+20</sup>, AL13, DAA<sup>+20</sup>, EDF<sup>+04</sup>, PPRHLF02, Rod13, TTU01].  
**Conservation** [ASBR17, BCG<sup>+22</sup>, BM17, CHS17, DCC<sup>+17</sup>, DHS<sup>+14</sup>, DLW<sup>+17</sup>, LBY<sup>+10</sup>, MGT<sup>+20</sup>, PRDB<sup>+17</sup>, PWB<sup>+06</sup>, SCCG09]. **conservative** [BWD20]. **conserve** [DWG<sup>+15</sup>]. **considerable** [PRB<sup>+11</sup>]. **considered** [TSW<sup>+12</sup>]. **considering** [CWSH20]. **Consistency** [LSF<sup>+01</sup>, CBB<sup>+95</sup>].  
**Consistent** [BFML<sup>+08</sup>, KHL<sup>+17</sup>, TGK<sup>+11</sup>]. **constant** [VCM<sup>+14</sup>].  
**constellation** [RAS23]. **constrain** [HSM<sup>+01a</sup>]. **constrained** [CJM<sup>+22</sup>, OUJ<sup>+19</sup>]. **Constraining** [BA10, DDK<sup>+00</sup>]. **Constraints** [CTGD08, Cha07, FDP<sup>+14</sup>, PC98, WJS<sup>+10</sup>, WCJ97]. **construct** [CW18].  
**Constructing** [RDSA<sup>+21</sup>]. **Consumption** [CBA<sup>+05</sup>, BLW<sup>+09</sup>, CSGC03b, DSO<sup>+97</sup>, HDJP05, HRG<sup>+16</sup>, MBC<sup>+09b</sup>, PCB<sup>+17</sup>, RCL<sup>+09</sup>, RMNB08, SMV<sup>+03</sup>, SLZ<sup>+16</sup>, SH16, SLLT10, TS13, VRL<sup>+02</sup>]. **contact** [AHML95].  
**containing** [ABS<sup>+14</sup>, CP03, SW01, WLC99]. **contaminant** [ACV<sup>+01</sup>, ACG<sup>+01</sup>, CM99b]. **contaminants** [BMB<sup>+18</sup>, HFK<sup>+02</sup>, SSLP95].  
**contamination** [SHF<sup>+95</sup>]. **contemporary** [Jam18, MBG18]. **Content** [KDU<sup>+10</sup>, CHV<sup>+15</sup>, EWP<sup>+99</sup>, GGRJD<sup>+10</sup>, HHH01, HRM<sup>+18</sup>, ITK<sup>+16</sup>, Mil94b, MS12, RS02, RWT<sup>+20</sup>, SWC<sup>+02</sup>, WGMC14, WPFB11, YOO<sup>+10</sup>, YBC<sup>+17</sup>]. **Contents** [Ano96b, Ano96c, Ano95g, Ano98g, Ano99f, Ano00f, CH07, DBMI17, KLL03, YQMB20]. **context** [BG08, BvWR<sup>+20</sup>, BA02, LGR<sup>+14</sup>, Mit96, OWW<sup>+12</sup>, TAC<sup>+17</sup>, WGNH15].  
**contextual** [RPH<sup>+06</sup>]. **contiguous** [MSGO18]. **Continent** [SSC<sup>+23</sup>].  
**Continental**  
 [CB09a, DTWF17, KHB<sup>+04</sup>, PDBH03, SSL98, WCK<sup>+18</sup>, AAG02, ASBM02, APT11, AMH<sup>+01</sup>, ARW<sup>+04</sup>, BBB94, BDW<sup>+98</sup>, Bau02, BDWG02, BH99a, BBS<sup>+20</sup>, BLM<sup>+10</sup>, BBDL98, BRW00, BPB<sup>+94</sup>, BH94, BD94, Bla94, Bol08, BLD<sup>+06</sup>, BHSJ16, BCA<sup>+03</sup>, CLT94, CBNR<sup>+09</sup>, CFL<sup>+99</sup>, CA06a, Che03, CWFP94, CKH<sup>+08</sup>, CDL94, DAA<sup>+20</sup>, DGN<sup>+17</sup>, DTB<sup>+02</sup>, DBD03, DC08, DCR94, DK04, DKS11, DBDT03, DT08, DEK<sup>+08</sup>, DDB<sup>+97</sup>, DME<sup>+18</sup>, EBGCL08, FBS94, FGU04, FARLR<sup>+13</sup>, GMR<sup>+09</sup>, GTSC08, GLDCA<sup>+06</sup>,

GPMZ<sup>+10</sup>, Gau07, GSM<sup>+08</sup>, GBP<sup>+13</sup>, GOM<sup>+09</sup>, HB03, HBBD03, HBCG14, HBT<sup>+08</sup>, Har94, Hec94, HZMH07, HMLS<sup>+06</sup>, HdMR<sup>+99</sup>, Hil94, HVN02, HvH04, HS05b, HZWW16, IOK03, IGP<sup>+06</sup>, JWO<sup>+09</sup>, JBD<sup>+09</sup>, JWCC99, KGB<sup>+11</sup>, Kem94, KFF<sup>+94</sup>, KBKW13, LG00, LSM<sup>+06a</sup>, LLM<sup>+17</sup>, LRV<sup>+02</sup>, MY99, MPZ04, MAK<sup>+16</sup>, MS06b, MMWM00, MKB<sup>+10</sup>, Mil94b, MLH<sup>+22</sup>].

**continental**

[MSG<sup>+00</sup>, MLG<sup>+04</sup>, MMM<sup>+00</sup>, NEO<sup>+07</sup>, NAT<sup>+12</sup>, NMS09, NCSB<sup>+98</sup>, OBC<sup>+14</sup>, OHT12, OPV11, PK08, PKHH17, PBVC<sup>+16</sup>, PRP15, PPM02, QSA<sup>+09</sup>, RCL<sup>+09</sup>, RH99, RV00, RH94, RFJ10, RSH10, RTM14, RSRL00, RBP<sup>+94</sup>, SLS17, SC10, SL94, SSV02, SGC03, SSM<sup>+00</sup>, SK02, SMD08, SSR96, SLZ<sup>+16</sup>, SM20, SM23, SGFP13, SN00, SHY10, SJSI00, TBA<sup>+02</sup>, VBF<sup>+02</sup>, WZL<sup>+16</sup>, Wir94, ZZY<sup>+19</sup>, ZWJ<sup>+19</sup>, dSJB<sup>+11</sup>, vWDB<sup>+01</sup>, RA98].

**continental-shelf** [FGU04]. **Continuity** [FBB<sup>+13</sup>, PSK<sup>+00b</sup>]. **Continuous**

[CDG00, NMW<sup>+09</sup>, FWS94]. **contourite** [HMLS<sup>+06</sup>]. **contraction** [FJR<sup>+20</sup>]. **Contrasted** [JTK<sup>+14</sup>, BGG<sup>+09</sup>, JAM<sup>+14</sup>]. **Contrasting** [BSW<sup>+13</sup>, BSR08, CEG<sup>+11</sup>, CMC11, MWF<sup>+19</sup>, MCS<sup>+09</sup>, NRS14, SHC<sup>+22</sup>, TPW07, TBW<sup>+11</sup>, dCHdOF<sup>+18</sup>, BBE<sup>+13</sup>, DDB<sup>+97</sup>, GFW07, KMB11, LGO08, NCR<sup>+08</sup>, SKL<sup>+22</sup>, Wit00, vdLEM<sup>+14</sup>]. **contribute** [CCS<sup>+16</sup>].

**contributing** [ANL13, FGH<sup>+13a</sup>, PDY20]. **Contribution**

[Ano09b, LTS<sup>+13</sup>, MRSLM<sup>+19</sup>, NAT<sup>+12</sup>, AHHCR23, BMS<sup>+18</sup>, BH99a, BRPI02, DURP03, DB97a, Har06, JSP<sup>+17</sup>, KW03, KNB11, LKJ<sup>+15</sup>, OT03, RvAH10, RT20, SWSL14, TRH<sup>+08</sup>, WDKC00, ZdBB<sup>+07</sup>, IPH<sup>+17</sup>].

**Contributions** [DO96, GBB<sup>+17</sup>, CPM<sup>+18</sup>, KD13, LCL<sup>+98</sup>]. **contributors**

[Gra09]. **Control** [KMC05, PHS<sup>+11a</sup>, SD96, ADRS19, Arm03, BSSK<sup>+08</sup>, DSN<sup>+10</sup>, ECD06, EAF<sup>+17</sup>, FAS<sup>+03a</sup>, HC01, HBCG14, HH03, HSW<sup>+02</sup>, HPS<sup>+11</sup>, HRG<sup>+16</sup>, HKY<sup>+16</sup>, KIIW03, LMDW06, LHKHH10, MLG<sup>+02</sup>, MTWC<sup>+15</sup>, ML20, NGS<sup>+15</sup>, NCCR<sup>+12</sup>, SFR<sup>+06</sup>, SLS<sup>+10</sup>, SBD<sup>+97</sup>, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, TBB<sup>+08</sup>, WZW<sup>+22</sup>]. **controlled**

[HDPI99, JB01, WGR<sup>+97</sup>]. **Controlling**

[WC09, ZWC<sup>+15</sup>, BN05, BCM02, BES95, GSMB01, HB03, HWTN22, KMO09, KMLT06, LL00, MLS01, SGC03, VPP07, WMM02]. **Controls** [AM02, BMG<sup>+17</sup>, DRH<sup>+09</sup>, ETDB11, HPY<sup>+15</sup>, HKO<sup>+17</sup>, LG15, MMG<sup>+07</sup>, WKM<sup>+07a</sup>, ARF<sup>+13</sup>, AMN<sup>+02b</sup>, CMB12, DS21, DWHM06, ECD<sup>+17</sup>, FGF<sup>+14</sup>, FAS<sup>+03b</sup>, HWC07, MPH<sup>+95</sup>, MDB98, MHB05, PLR02, PVRA07, TCH<sup>+16</sup>, WCMB06, WRZ<sup>+19</sup>]. **convection**

[BK99, Car07, GKH<sup>+07</sup>, KB99, LGQ99]. **Convective**

[GDL22, FM99, HC01, HB05, TS93, TH99]. **convergence**

[CHSVB<sup>+19</sup>, DL01, HH93]. **convergent** [AAB<sup>+97</sup>, Joh96]. **conversion**

[DDK<sup>+00</sup>, GLM04, SLLT10]. **Cook** [MCH22, MMSS14]. **Cool**

[MSRM14, FHAH16]. **cooled** [PFPJ<sup>+09</sup>]. **Cooling**

[HKSV11, Ber07, KDSR19, Ou05, YK16]. **CoOP**

[Ano06f, LWDH06, VLK06, WLD<sup>+06</sup>]. **CoOP-WEST** [LWDH06].

**cooperation** [Hem99]. **cooperatively** [GFCS04]. **coordinate** [EOB03].

**coordinates** [CJ19, Joh19, Mar19]. **Copepod** [PPFS17, SSMC10, URDP01,

AS95, BDW<sup>+96</sup>, CG21, DG18, EAF<sup>+17</sup>, GGF<sup>+08</sup>, GO10, GW98, HEV<sup>+10</sup>, IAA96, LYN<sup>+13</sup>, MN10, MWK<sup>+20</sup>, NLY<sup>+13</sup>, PK03, PTWM12, RPJ<sup>+06</sup>, SVC<sup>+08</sup>, SM15, Thi98, UFAK06, VK04, YMC<sup>+22</sup>, YQMB20]. **Copepoda** [AS01a, CSS<sup>+10</sup>, SLB18, UFAK06, VK04]. **copepodite** [Kli09]. **copepodite-V** [Kli09]. **copepodites** [CM01]. **Copepods** [DBR22, SSHM<sup>+08</sup>, BDR16, BOKA16, CHG20, CDRB16, CBMM15, CHSVB<sup>+19</sup>, DURP03, DB97b, DLB02, DC06, HNCW23, JPC06, KSU<sup>+08</sup>, KUN10, KIN<sup>+10</sup>, MNN10, ODCP98, PBS06, PKZ<sup>+19</sup>, RFF<sup>+02</sup>, SSMM<sup>+08</sup>, STFL<sup>+13</sup>, SNS<sup>+16</sup>, YOK<sup>+10</sup>, YOO<sup>+10</sup>]. **Copley** [Ano97b]. **Copper** [JM15, AIW03, BBB13]. **copper-binding** [BBB13]. **copulatory** [LV17]. **Coquimbo** [GHIM04]. **Coral** [Cor10, NCT13, SEM16, VSR<sup>+10</sup>, ZMYS13, ATI<sup>+23</sup>, AHVB<sup>+17</sup>, BM17, BRB<sup>+13</sup>, BR14, CMVS<sup>+10</sup>, CNM17, DMS<sup>+10</sup>, DCC<sup>+17</sup>, DGT<sup>+17a</sup>, Di 10, DAN23, DSE<sup>+14</sup>, DQC14, EFW<sup>+14</sup>, ESL<sup>+10</sup>, EWF<sup>+18</sup>, EP18, FBP<sup>+17</sup>, GGO<sup>+14</sup>, HWK<sup>+14</sup>, HKY<sup>+13</sup>, JBJ17, KBFH14, LPdR<sup>+14</sup>, LDBvdB17, LOB<sup>+09</sup>, bLHsL<sup>+13</sup>, LGR<sup>+14</sup>, LB14, MTR<sup>+10</sup>, MDC<sup>+10</sup>, MDTG13, MSA<sup>+14</sup>, NRSL17, NDE14, OGJ<sup>+19</sup>, PCY<sup>+13</sup>, RRL<sup>+14</sup>, RVC<sup>+13a</sup>, ROS<sup>+17</sup>, RAF<sup>+14a</sup>, RAF<sup>+14b</sup>, RVD<sup>+10</sup>, SGPD<sup>+14</sup>, SAW16, SKdS<sup>+14</sup>, SSR<sup>+14</sup>, SDGH14, STR<sup>+14</sup>, SYK<sup>+13</sup>, TAMTC<sup>+13</sup>, TAC<sup>+17</sup>, WYIT13, YPY<sup>+13</sup>, SC10]. **coral/carbonate** [NRSL17]. **Coralliidae** [FB14]. **corals** [BCN<sup>+17</sup>, BDL<sup>+14</sup>, BWH<sup>+17</sup>, DRRBC16, FDP<sup>+14</sup>, GPCC<sup>+17</sup>, KFTE14, LLM<sup>+17</sup>, MRB<sup>+14</sup>, MTM<sup>+13</sup>, MBMGK08, NOFP14, PSB14, PFDD16, ROC<sup>+21</sup>, VOK<sup>+24</sup>, YLG<sup>+18</sup>]. **Core** [SBR<sup>+97</sup>, BSG<sup>+11</sup>, Bre93, CLQ<sup>+18</sup>, FM03a, GTB15, LPMS09, MFFM03, NGM<sup>+05</sup>, OG11, OMAA18, RYT01, SCD<sup>+22</sup>, SCGB18, SKW07, TNT<sup>+15</sup>, ZDBG05]. **Core-top** [SBR<sup>+97</sup>]. **core-use** [SCGB18]. **corer** [FB15]. **cores** [CWJ99, DF16, DSE<sup>+14</sup>, HB03, Kyt02b, Kyt02c, OTNT05]. **Corethron** [CHR97]. **coretop** [AKHR<sup>+20</sup>]. **Corexit** [PPS<sup>+16</sup>]. **Cork** [OM14, TFR<sup>+10</sup>]. **corollaries** [BL98]. **CorReCAP** [ZMYS13]. **correction** [CHG15]. **correlated** [GDE<sup>+96</sup>]. **correlates** [WC02]. **Correlation** [HSFN13, CLC<sup>+03</sup>, HS93, SCL<sup>+04</sup>, SLP<sup>+09</sup>]. **correlations** [KRGT14]. **corridor** [AJR<sup>+15</sup>]. **Corrigendum** [AN06, CC00, CM16a, CBF<sup>+16</sup>, DTWW21, ENM<sup>+16</sup>, ELG<sup>+22a</sup>, GAL<sup>+20</sup>, RVJG<sup>+05</sup>, RSCFT<sup>+16</sup>, RAF<sup>+14a</sup>, RDC<sup>+18a</sup>, VSGM03a, WJD<sup>+00a</sup>]. **corrosion** [SC16]. **corrosive** [CMPB18]. **corsellii** [BBAL<sup>+20</sup>]. **Cortés** [FLTV04, FLTCV10]. **Coruña** [BFM<sup>+14</sup>]. **Coryphaena** [TMGLM19]. **Coryphaenoides** [MSW<sup>+13</sup>, RCCP13]. **Coryphella** [Mar13]. **cosmogenic** [CLGM05]. **Cosmonaut** [LXWC21, VJP<sup>+10</sup>, WZW<sup>+22</sup>, YCT<sup>+22</sup>, YMC<sup>+22</sup>]. **cost** [AKK<sup>+17</sup>, RG06a]. **Coulter** [JLAD95]. **Counter** [PBD<sup>+02</sup>, FMFW07, WMH<sup>+07</sup>]. **counter-rotating** [FMFW07, WMH<sup>+07</sup>]. **countercurrent** [CGR<sup>+00</sup>, CMBPM04]. **counting** [LBJ<sup>+13</sup>]. **Coupled** [AMP<sup>+03</sup>, HKC<sup>+21</sup>, HCRX16, SSSC19, WBBM01, AGL<sup>+19</sup>, BFK<sup>+14</sup>, CRS<sup>+19</sup>, CMAO<sup>+12</sup>, CM03, DP99, DP02, DCL<sup>+21</sup>, DGN96, Gre01, HHD<sup>+09</sup>, HKMS03, HAM<sup>+15</sup>, JCD<sup>+03</sup>, JAM<sup>+14</sup>, KKUK10, LCL<sup>+10</sup>,

MMSS14, RPB99, SMSA05, TLMT97, WMC06, ZG15]. **Coupling** [BJ15, PSK00a, SM00, VRL<sup>+02</sup>, BGS<sup>+08</sup>, CCBL14, CLL<sup>+03</sup>, CA06b, CPC<sup>+03</sup>, CBS<sup>+01</sup>, CSG<sup>+13</sup>, DGS<sup>+05</sup>, ELB<sup>+02</sup>, Eck94, GHM02, HV98, JLR<sup>+13</sup>, LCT<sup>+07b</sup>, MKH<sup>+05</sup>, MR08, RMC<sup>+08</sup>, RTM<sup>+20</sup>, SBD05, SRW<sup>+10</sup>, SMD06, SDMS06, TBC<sup>+17</sup>, WZB<sup>+14</sup>]. **couplings** [SS05a, SS05b]. **course** [CLMK13]. **Covariability** [PO15, TBH09]. **Covariances** [Wun13]. **covariates** [CM16a, CM16b]. **Covariation** [MKRY01]. **Cover** [Ano17f, Ano17g, Ano17h, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, DCF<sup>+18</sup>, HH20, HBO11, KCZ<sup>+19</sup>, LTW<sup>+11</sup>, NVBJ08, WYOS18, ZAC<sup>+15</sup>, Ano17f, Ano17g, Ano17h]. **coverage** [CSG<sup>+13</sup>, HVBO08]. **covered** [CDRA08, DC12, KSM<sup>+11</sup>, MGC<sup>+14</sup>, RHPC<sup>+19</sup>, RFHL99, SSMM<sup>+08</sup>]. **covering** [PP13]. **COVIS** [BSX<sup>+15</sup>]. **crab** [CB00a, FJR<sup>+20</sup>, GKBG17, HC13, RAL04, RAR04, VAM97]. **crabeater** [BCF<sup>+04</sup>, BHBC08, GFCS04, MCBC08]. **crabs** [DBMI17, KL13]. **Cranchiidae** [SRS<sup>+20</sup>]. **crater** [ASS02, Mas02, OM02, TGFE02]. **craters** [PPM02]. **create** [JHS<sup>+17</sup>, SPW<sup>+22</sup>]. **Creek** [Cha07]. **Crenarchaeota** [YLD09]. **Cretan** [PVK<sup>+20</sup>, PZT<sup>+19</sup>, TMP<sup>+19</sup>, TKP<sup>+20</sup>, VPK<sup>+19</sup>]. **Crete** [KVPK20]. **crinoid** [BSCR11, EBG<sup>+11</sup>]. **crinoid-dominated** [BSCR11]. **criophilum** [CHR97]. **cristatus** [Kli09]. **Critical** [NISG05, DABF<sup>+16</sup>, TS13, YKSI19]. **Croker** [LRR<sup>+04</sup>]. **crop** [OT03]. **crops** [DEL<sup>+17</sup>]. **Cross** [CSGC03a, DKS03, GGPM05, HLZY10, Jen03, MKT<sup>+15</sup>, PBS06, PG97, CMC11, CP05, DK04, DGS<sup>+05</sup>, GNG<sup>+22</sup>, HHD<sup>+09</sup>, HZN<sup>+16</sup>, HCG<sup>+03</sup>, HRK14, JCF<sup>+06a</sup>, JHHK14, LSC05, MMJ<sup>+03</sup>, MMMC07, SRY04, VCDAL14, WGB01, XSL<sup>+17</sup>, YH10, YLH<sup>+10</sup>, LC16]. **Cross-equatorial** [Jen03, MMJ<sup>+03</sup>]. **Cross-front** [MKT<sup>+15</sup>]. **Cross-frontal** [PG97, SRY04]. **cross-over** [JCF<sup>+06a</sup>]. **Cross-shelf** [CSGC03a, DKS03, GGPM05, HLZY10, PBS06, CP05, DK04, DGS<sup>+05</sup>, GNG<sup>+22</sup>, HHD<sup>+09</sup>, HCG<sup>+03</sup>, HRK14, JHHK14, LSC05, MMMC07, VCDAL14, WGB01, YH10, YLH<sup>+10</sup>]. **cross-shore** [CMC11, HZN<sup>+16</sup>]. **cross-species** [XSL<sup>+17</sup>]. **crossing** [SHB02]. **crossings** [PRB<sup>+11</sup>]. **Crozet** [VVTM97, MSH<sup>+07</sup>, MHP<sup>+07</sup>, BNM<sup>+07</sup>, BBE<sup>+13</sup>, FWP<sup>+07</sup>, MMG<sup>+07</sup>, PG97, PPRL02, PSF<sup>+07</sup>, PSL07, PVRA07, PMS<sup>+07</sup>, RPA07, SMS<sup>+07</sup>, SBQ<sup>+02</sup>, SLMP07, VPP07, ZHB<sup>+07</sup>]. **CROZEX** [PSLS07, Ano07a, LSS<sup>+07</sup>, MSH<sup>+07</sup>, MHP<sup>+07</sup>, PPL<sup>+07</sup>]. **crude** [SKD<sup>+16</sup>]. **Cruise** [Ste13, BPRS11, DRBM97, Fig02, KFS<sup>+17</sup>, LSU04, LAF<sup>+02</sup>, PPRL02, SIBW01, SSUB15, SDB<sup>+97</sup>, SBvdL<sup>+02</sup>, WPAP01, RAB<sup>+17</sup>]. **cruises** [AE02, BCH<sup>+96</sup>, BAC<sup>+15</sup>, BG09b, CAMA<sup>+02</sup>, CP22, DLB<sup>+11</sup>, HMW<sup>+15</sup>, LUV99, MHFM15, Mur06, WBM<sup>+10</sup>, WWN<sup>+02</sup>]. **crust** [ACBV<sup>+18</sup>, GNT<sup>+17</sup>]. **Crustacea** [BPBJ13, MKKB14, MS11, NCL13, SM15, Wil08, DKG04, AS01a, Ang10, BBBM04, BB04, CB00a, EWP<sup>+99</sup>, HNS<sup>+11</sup>, HRS<sup>+23</sup>, JLL<sup>+13</sup>, KB15, LMS15, MB07b, MB07a, MGE13, MB15, Mal15, MFB18, Mar18, RHW04, RMBW07, SLB18, SR08b, VAM97]. **crustacean** [DND04, MCB<sup>+15</sup>]. **crustaceans** [BBR<sup>+18</sup>, GBP<sup>+13</sup>, Mar18, PHS17a, WPB11]. **crusts** [ÇYB<sup>+18</sup>, GPBV<sup>+07</sup>]. **cryosphere** [SK07]. **Cryptic**

[ABE<sup>+11</sup>, Vri09, BDR16, GRB<sup>+17</sup>, MMN10]. **cryptophytes** [MTD<sup>+18</sup>]. **crystallinity** [NAT<sup>+12</sup>]. **crystallorophias** [JH04, LLK<sup>+16</sup>, NVK<sup>+04</sup>]. **Cs** [HA03, Ike03, LLLP<sup>+03</sup>, NP03, OHT12, PFG<sup>+03</sup>, PdBK<sup>+03</sup>, TKP<sup>+20</sup>]. **CTD** [BKST13, SSWM18, STP<sup>+16</sup>]. **ctenophores** [MMY<sup>+20</sup>, PHKW10]. **ctenostome** [GC15]. **Cu** [AIW03, NOT<sup>+09</sup>, NEN<sup>+07</sup>]. **cucumbers** [OPDM11, WYIT13]. **Cultivation** [CKJ<sup>+16</sup>, LTG<sup>+09</sup>, ZWZ18]. **Cultivation-independent** [LTG<sup>+09</sup>]. **culturable** [MFM<sup>+18</sup>]. **culture** [MNB02]. **cultures** [JS14, TVLB08]. **Cumacea** [LMS15]. **Cumacean** [MS11, Wat09]. **cumulative** [PJLO<sup>+17</sup>]. **curl** [DDLK06, KKD06, YAOW05]. **Current** [Ant10, BPS00, BPC05, BV98, BKM07, BCW03, BL03, CC00, CPM<sup>+18</sup>, CMRI13, Di 03, DMW<sup>+07</sup>, EPPR09, FEB<sup>+13</sup>, GGAMV<sup>+23</sup>, GMCRI18, GQ09, HV03, JR15, KVPK20, LKLK17, MHG<sup>+04</sup>, MPI07, PO15, QLU09, Reb03, SRF09b, SFH<sup>+18</sup>, SJ00, TAB<sup>+05</sup>, YHC<sup>+15</sup>, AGAB19, BG94, BMM<sup>+99</sup>, CHN<sup>+18</sup>, DLLK15, DCA<sup>+98</sup>, DBDT03, Eif05, EBG<sup>+11</sup>, FKS18, HMW00, Hen19, HMLS<sup>+06</sup>, HS05a, HVBO08, JW05a, JW05b, Led93, MB96, ML04, MSBS01, NPF<sup>+09</sup>, Ou05, PFX<sup>+02</sup>, PGS14, PP20, RR96, RDW<sup>+22</sup>, RF99, RG03, RdR03, SSY<sup>+05</sup>, SSSC19, TRM<sup>+14</sup>, TWL<sup>+15</sup>, Wea93, YFL<sup>+23</sup>, ZW23, vGCM00, AL98, AST<sup>+05</sup>, AGS<sup>+02</sup>, BFF<sup>+07</sup>, BC03, BRL<sup>+03</sup>, BLH05, BSL11, BT03, CK03, CH24, CMR<sup>+18</sup>, CPS05, CWTJ03, CPC<sup>+03</sup>, CMC11, CMJ<sup>+18</sup>, DD15a, DD15b, DCSV19, FM03a, FMFW07, FG97, Gau07, GO15, GOGCDB18]. **Current** [GS06b, HLR<sup>+09</sup>, HWTP07, HDD<sup>+11</sup>, HS98, HV98, HGMA<sup>+02</sup>, dITGCAB<sup>+03</sup>, HZK04, HGM<sup>+11</sup>, HWP<sup>+07</sup>, HKO<sup>+17</sup>, HBK<sup>+98</sup>, JHS<sup>+17</sup>, JDBP<sup>+05</sup>, KKMSM12, KLK<sup>+15</sup>, KGKS20, KT06, Kla97, KHGL<sup>+02</sup>, Lad14, LO03, LJHAA19, LL01, LOA13, LDD<sup>+97</sup>, MDJS11, MFPL19, MW99, Mar19, MDB98, MBLM03, MJG<sup>+13</sup>, MNSMN<sup>+04</sup>, MRD13, MBOvL08, MGC<sup>+01</sup>, MFFM03, MBO07, NSH<sup>+10</sup>, OCT<sup>+19</sup>, PK03, PCJ<sup>+05</sup>, PRMM<sup>+17</sup>, RPMS95, RMB05, RB06, RPM07, RBP<sup>+05</sup>, Ric05, RAL04, RMBG11, RFQ99, SDB<sup>+97</sup>, SM03, SBC<sup>+16</sup>, SS99a, SGP<sup>+02</sup>, SLP<sup>+17</sup>, SB05, SYB<sup>+11</sup>, SHKW05, SRS11, STS11, SS13b, TLSW15, TCJ<sup>+11</sup>, TdFAL19, VMBS03, VPSL15, WTP<sup>+07</sup>, WPG<sup>+07</sup>, WDR05, YSBH06, YHC<sup>+11</sup>, ZSIW21, vdLCS<sup>+11</sup>]. **current-dominated** [BG94]. **Current/Undercurrent** [ZSIW21]. **currently** [CBMM15]. **Currents** [DD15a, Fir96, SDK<sup>+16</sup>, SBK<sup>+16</sup>, YC05, AAB<sup>+97</sup>, BKM07, BLO04, BB98, Blu93, BRSB16, CIMT19, CMH<sup>+20</sup>, CJ19, CH19, DBG<sup>+16</sup>, FKH05, FWS94, FK98, GOM<sup>+09</sup>, Grü99, KAW<sup>+16</sup>, KOR06, LWL<sup>+24</sup>, LCG03, LTY<sup>+03</sup>, NR00, PCT18, Pap05a, PK13, PFW<sup>+20</sup>, PF06, RA98, SMS01, SDT<sup>+17</sup>, SP09, SHM<sup>+20</sup>, SM20, SCS<sup>+98</sup>, SHKW05, TP96, VTD<sup>+20</sup>, WC06a, WEB93, WTJ<sup>+19</sup>, ZLZ<sup>+15</sup>, Car01]. **curvatum** [WTS08]. **cuttings** [JBJ17, PFC09, SLS<sup>+09</sup>]. **Cuvier** [BNKJ23]. **cyanobacteria** [ANL13, SSW05, SKH<sup>+10a</sup>, Uys06]. **cyanobacterial** [WLC99]. **Cyatholaimidae** [MM15]. **cycle** [ASFI02, BLS<sup>+97</sup>, BFF<sup>+10</sup>, BMK09, BCP<sup>+15</sup>, CDP<sup>+02</sup>, DGA<sup>+11</sup>, FGB10, FSK<sup>+05</sup>, GWZ16, Hat02b, HWS<sup>+13</sup>, HFL<sup>+15</sup>, HDW<sup>+20</sup>, HPS<sup>+11</sup>, JKJ<sup>+22</sup>, JCM<sup>+13</sup>, KPPL00, KMDW01, LGHD20, LWL<sup>+24</sup>, LBM<sup>+17</sup>, LW15, Lip01,



MPG<sup>+97</sup>, MTT<sup>+12</sup>, MQACB08, PDC<sup>+99</sup>, Pro09, QTPS97, RIHGS00, SNB02, SMHB00, SWLL23, SKH<sup>+10a</sup>, TP02a, WCRG95, WB01, WC01b].  
**Cycles** [ZH<sup>X</sup>+16, AMTE09, BD02, BL96, CFGR07, LN01, PDH<sup>+11</sup>, SSP<sup>+06</sup>, Ste10, SAB<sup>+07</sup>, TP02b, TIKS03, WWN<sup>+02</sup>]. **Cycling** [OL15, APL<sup>+23</sup>, ARC02, AT10, AHV<sup>+17</sup>, Ano99a, Bau02, BDWG02, BD94, BMO93, CFJL96, CTGD08, CFV<sup>+18</sup>, CB09a, CBB<sup>+00</sup>, CMTS97, CC01, DNM<sup>+16</sup>, DSD12, DeM02, DVPR06, DMY<sup>+97</sup>, ETD<sup>+11</sup>, FGU04, FLTV97, FML<sup>+93</sup>, FC07, HBCC13, HZWW16, JBS<sup>+13</sup>, JBVW12, KWH<sup>+05</sup>, LRFK99, LSS<sup>+09</sup>, LLB<sup>+00</sup>, LL00, LDFS93, LKK<sup>+95</sup>, MLS<sup>+06</sup>, MNPT06, MDGF01, OFD<sup>+22</sup>, PHS<sup>+17b</sup>, RvAH10, RJDR06, STN<sup>+09</sup>, SF04, SFW08, SGC03, SP06, TVL<sup>+00</sup>, ULTL16, WYPY06, WWC<sup>+19</sup>, WJD<sup>+00a</sup>, WJD<sup>+00b</sup>, ZGW<sup>+23</sup>].  
**cyclo** [SVS<sup>+20</sup>]. **cyclo-stationary** [SVS<sup>+20</sup>]. **cyclone** [PP20, KND<sup>+08</sup>, LBR<sup>+08</sup>, LDS<sup>+08</sup>, NKD<sup>+08</sup>]. **cyclones** [DNK<sup>+08</sup>, LBR03, RBN<sup>+08</sup>]. **cyclonic** [CCW<sup>+08</sup>, EMW<sup>+08</sup>, GS08, MBNRB08, NSMBN08, NMWH19, VMM<sup>+08</sup>].  
**CYCLOPS** [Kro05, KTB<sup>+05</sup>, ZDBG05]. **Cyclorhagida** [AM18].  
**Cynoglossidae** [TTD13]. **Cyprus** [AKZL16, GH<sup>B</sup>+05, HDGM19, OGJ<sup>+19</sup>, ZDBG05]. **cyst** [ASK<sup>+05</sup>, AJG<sup>+10</sup>, BAD<sup>+14</sup>, MLH14, PHK<sup>+14</sup>, PAM<sup>+14</sup>, VCM<sup>+14</sup>, Zon97].  
**cysts** [AKK<sup>+14</sup>, ABS<sup>+14</sup>, BFG<sup>+10</sup>, EPK<sup>+10</sup>, ESAG10, KTP05a, MTK05, OT10, PBG<sup>+10</sup>, RBCG10, SAG<sup>+10</sup>, SKM14a, ZB00]. **Cyt** [EGOO22, EBG<sup>+22</sup>]. **Cytheroidea** [KB15]. **cytometric** [DO96, OSCS00].  
**cytometry** [BFK<sup>+14</sup>, FGB10, SOS01]. **CZCS** [BE00, RD97].  
**CZCS-derived** [BE00].

**D** [Ano97b, Ano97c, Eif05, CBF01, Cok16, DLR<sup>+01</sup>, DP99, EB01, FM03c, FC01, GGLP02, GWP<sup>+98b</sup>, GMPS04, JCF<sup>+06a</sup>, JCF<sup>+06b</sup>, JDL<sup>+12</sup>, MRM<sup>+12</sup>, SKS<sup>+16</sup>, SGB<sup>+02</sup>, TLMT97, WTSP07]. **D-BAD** [GWP<sup>+98b</sup>].  
**D-variational** [FM03c]. **Dactylanthus** [PB13]. **Daily** [ATS<sup>+96</sup>, CD95, PAM<sup>+04</sup>, GDA<sup>+15</sup>, GFPM02, MPPR14]. **Dall** [MOA<sup>+18</sup>].  
**damage** [RP18, YLG<sup>+18</sup>]. **Dangeard** [SDGH14]. **Danois** [GASGB<sup>+14</sup>, LPS14]. **dark** [Ano97c, CMBPM04, EGMB13, LMM<sup>+97</sup>, RIBW99, SH10, VCM<sup>+14</sup>].  
**darkly** [NB10]. **Darnley** [GZGH22]. **Data** [LLM<sup>+17</sup>, MC12, SVS<sup>+20</sup>, Ala13, AGGdC14, ACG19, BC08, BCWT00, BMML06, BWS<sup>+98</sup>, BS05, BS06, BWAS02, BSS<sup>+02</sup>, BBBM04, CFV<sup>+18</sup>, CMB09, CLF<sup>+09</sup>, CFZ<sup>+18</sup>, CWP<sup>+15</sup>, CP18b, COJ<sup>+09</sup>, CLQ<sup>+18</sup>, CM99b, DSK<sup>+13</sup>, DKC<sup>+17</sup>, DWW<sup>+02</sup>, DBC<sup>+02</sup>, EMG<sup>+15</sup>, FRW00, FWS94, Fri01, FHW06, GBC<sup>+13</sup>, GMR06, GCD<sup>+06</sup>, GdRGLS04, Gol15, Gol18, GDC11, HSO04, HM14, HGAB04, HPH<sup>+16</sup>, HFKY05, HSR<sup>+22</sup>, HHKH<sup>+04</sup>, HBM<sup>+07</sup>, HZZ10, HA96, IS07, JBC<sup>+21</sup>, KKMSM12, KGKS20, KK20, KFH01, KBE<sup>+04</sup>, LSF<sup>+01</sup>, LHS96, LM13, LPM<sup>+19</sup>, MBG18, Mal15, MHB<sup>+23</sup>, MRD13, MGK<sup>+17</sup>, MBMGK08, MRM<sup>+12</sup>, NCSO13, NA09, NBBBT13, OAH<sup>+16</sup>, OLP<sup>+20</sup>, PGM<sup>+15</sup>, PNS<sup>+09</sup>, PTA<sup>+99</sup>, PDB<sup>+16</sup>, RMBW07, Reb03, RD97,

RHPC<sup>+19</sup>, RG93, RTC<sup>+07</sup>, RVZ02, RAL<sup>+01</sup>, RCKCK07, RPF<sup>+16</sup>, SSWM18, SC10, SSHB03, SLP<sup>+09</sup>, SRA<sup>+09</sup>, SWLL23, SMPSTG<sup>+04</sup>, SMA01, SDK<sup>+16</sup>. **data** [SCQ<sup>+09</sup>, SGP<sup>+11</sup>, TCEW07, TMGLM19, VTA<sup>+11</sup>, VALW23, WHLR13, YKN07, ZKSS06]. **data-assimilative** [CLF<sup>+09</sup>, MHB<sup>+23</sup>]. **data-driven** [RG93]. **data-reduction** [PNS<sup>+09</sup>]. **Database** [CMR<sup>+18</sup>, RSD<sup>+97</sup>]. **datasets** [WW23]. **dating** [FRC<sup>+10</sup>, SKS<sup>+16</sup>]. **Dawson** [Ano97b]. **days** [KMLC<sup>+04</sup>]. **DCM** [TAB<sup>+02</sup>]. **dead** [MGK19]. **debate** [ABE<sup>+11</sup>]. **debris** [DF16, DMC<sup>+17</sup>, Kyt02a, Kyt02c, PJC19, SIA<sup>+05</sup>]. **decabromodiphenylethane** [CHW<sup>+12</sup>]. **Decadal** [Bea09, BT03, GMBL10, HALV18, HWL06, KST<sup>+99</sup>, LSHP01, MSC<sup>+19</sup>, Met09, PSAY20, APB<sup>+09</sup>, ACK<sup>+14</sup>, BFH<sup>+11</sup>, CLPL<sup>+09</sup>, DGS<sup>+05</sup>, FHR<sup>+11</sup>, HC15, HS07, HK01, HGM<sup>+11</sup>, IIM<sup>+09</sup>, KSBK01, LK11, LWL<sup>+24</sup>, MCL<sup>+19</sup>, NI10, NBB<sup>+02</sup>, RR10, SAM05, TSW<sup>+09</sup>]. **Decadal-scale** [GMBL10, LSHP01]. **decadally** [QC10]. **Decade** [PC18, DD06, GVW<sup>+19</sup>, HTK<sup>+10</sup>, RP18, SCB<sup>+01</sup>, TSSR20]. **Decade-scale** [PC18, SCB<sup>+01</sup>]. **Decades** [Ano07d, KDMH18, KRHS20, LBJ<sup>+13</sup>, PWF03, PCY<sup>+13</sup>, VAT23]. **decapod** [CPF<sup>+14</sup>, Mar18, PHS17a]. **Decapoda** [NCL13, CB00a, CRT<sup>+00</sup>, LDBS<sup>+17</sup>, Mar18]. **decapods** [MCB<sup>+15</sup>, MBM<sup>+00</sup>]. **decay** [FM03a, WLH<sup>+16</sup>, DKdS<sup>+03</sup>]. **decaying** [TWD<sup>+08</sup>]. **December** [AE02, Ano98l, Ano21a, Ano22o, Ano23c, MDSA19, OTH05]. **Deception** [BS03, CRBK03, CKL03, KFG<sup>+03</sup>, KRW03, KL03, LT03, RHZ<sup>+03</sup>, SGD<sup>+03</sup>, BAKF03, GUSB03, IAC<sup>+03</sup>, LCG03, SBKS03, SBG<sup>+03</sup>]. **Deciphering** [DPY14, GLBB11]. **Decision** [ZDP<sup>+16</sup>]. **deck** [TPW<sup>+16</sup>, WW04a]. **decline** [APL<sup>+23</sup>, RMPI<sup>+17</sup>, SF10, TSN<sup>+06</sup>]. **Declines** [PW12]. **declining** [CFGR07, STN<sup>+06</sup>]. **Decomposition** [EAS<sup>+09</sup>, HVN02, NSKG96, SBG<sup>+98</sup>]. **decompression** [LTG<sup>+09</sup>]. **Decorrelation** [AL98]. **Decoupling** [Mil94b, MQACB08, RDP<sup>+02</sup>, vdMLB<sup>+11</sup>]. **decreased** [GGCM17]. **dedicated** [Kro05, ZDP<sup>+16</sup>]. **Dedication** [Ano06a, Ano11a, DCBS98, MLB<sup>+10</sup>, MTD<sup>+09</sup>, ROY13, Row08]. **deduced** [SSY<sup>+05</sup>]. **Deep** [AN06, ANS<sup>+11</sup>, Ano95b, Ano96d, Ano96f, Ano96g, Ano97b, Ano97c, ADGA06, AL13, BOC18, BHMK08, BS06, BCE18, BT98, BBB<sup>+07</sup>, CKFC18, CC00, CKY23a, CKY23b, CM16a, CSGV13, CBF<sup>+16</sup>, Dau18, DTWW21, DFA<sup>+20</sup>, DKS11, ENM<sup>+16</sup>, EMG<sup>+15</sup>, EWA<sup>+03a</sup>, ESL<sup>+10</sup>, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, GBB<sup>+17</sup>, GAL<sup>+20</sup>, GBSL98, GGI03, GC18, HCBL<sup>+17</sup>, HD17, HIK<sup>+08</sup>, HiI<sup>+20</sup>, HSD04, JTT04, JAP<sup>+13</sup>, LK98, LLM<sup>+03</sup>, LAT<sup>+18</sup>, MA15, MA18a, MA18b, MSF<sup>+22</sup>, Mar18, MCS<sup>+03</sup>, MJG<sup>+13</sup>, MMDS18, MAA<sup>+05</sup>, Mum16, NGF09, PK13, PNLFS03, PRSS23, RVJG<sup>+05</sup>, RKHK<sup>+11</sup>, RSCFT<sup>+16</sup>, RBP<sup>+94</sup>, RK08, RDC<sup>+18a</sup>, SSY<sup>+05</sup>, Sha01, SS09, SSK<sup>+07</sup>, SV09, Sig17, SLM98, Sor99, SS99a, SMGB03, Ste13, SC15, TCJ<sup>+11</sup>, TPS<sup>+15</sup>, VSGM03a, VGSV09, WLD15, WBM<sup>+10</sup>, WJD<sup>+00a</sup>, Zar16, ZGGF22, AM22a, ABG<sup>+20</sup>, Ala13, Ala18, AP22, ALSF<sup>+17</sup>, ACPV04].

**deep** [AAG19, AGW<sup>+13</sup>, AL14, AHK99, AKHR<sup>+20</sup>, BMHR08, BN97, BMS<sup>+18</sup>, BTP<sup>+18</sup>, BBL<sup>+13</sup>, BMD<sup>+17</sup>, BSS<sup>+17</sup>, BCN<sup>+16</sup>, BCN<sup>+17</sup>, BGOL01, BGCH20, BM17, BFT10, BDL<sup>+14</sup>, BW99a, BBE<sup>+13</sup>, BKY<sup>+17</sup>, BMOW09, BSJ13, BFL00, BSP00, BL00, BL04, Bor01, BEZ<sup>+22</sup>, BSS<sup>+00</sup>, BSB<sup>+99</sup>, BG10, BBBM04, BE09, BEB11, BW14, BM15, BSW<sup>+13</sup>, BSSE16, BCB07, BRB<sup>+13</sup>, BWH<sup>+17</sup>, BBW<sup>+15</sup>, BLI<sup>+09</sup>, CP13, CRS<sup>+19</sup>, CB18, CSW<sup>+17</sup>, CHL<sup>+15</sup>, Che13, CP18a, CP22, CMAO<sup>+12</sup>, CB00a, CM00, CHG15, CHV<sup>+15</sup>, CAJE15, CBMM15, CRR01, CG04, CMVS<sup>+10</sup>, CG15, CRD<sup>+17</sup>, CHS17, DMS<sup>+10</sup>, DWG<sup>+15</sup>, DCL<sup>+09</sup>, DCC<sup>+13</sup>, DGT<sup>+17a</sup>, DRRBC16, DRBM97, DZL<sup>+17</sup>, DC08, DDB<sup>+17</sup>, DCA<sup>+98</sup>, Di 10, Dia04, DFD<sup>+11</sup>, DQC14, DFJ18, DAGK<sup>+17</sup>, Dud06, DBH<sup>+20</sup>, ESG<sup>+17</sup>, ETP<sup>+16</sup>, EBDL08, EWF<sup>+18</sup>, EP18, FMZ15, FHR<sup>+11</sup>, FVW08, FB14, FDR<sup>+18</sup>, FYS<sup>+17</sup>]. **deep** [Gag04, GMR<sup>+09</sup>, GTSC08, GBC<sup>+13</sup>, GKH<sup>+07</sup>, GLBB11, GSW99, GSM<sup>+08</sup>, GBP<sup>+13</sup>, GPBV<sup>+07</sup>, GCKC07, GRSW00, GAHD<sup>+17</sup>, GBO01, GK16, HKR<sup>+01</sup>, HDK08, HPWP07, HZS00, HC13, Hi04, HAP03, HO99, HRM<sup>+18</sup>, HWS<sup>+07</sup>, HDW<sup>+20</sup>, HHR<sup>+08</sup>, IATK17, IARR01, IKR<sup>+12</sup>, JZ01, JTW00, JR11, Jaž15, JLB<sup>+99</sup>, JSSW14, JBS<sup>+10</sup>, KBB07, KBK<sup>+18</sup>, KBG<sup>+10</sup>, KB15, KWA<sup>+20</sup>, KCTG16, Kel10, KJB<sup>+08</sup>, KDMH18, KGB<sup>+14</sup>, Kha18, KCD<sup>+17</sup>, KBSS93, KFS<sup>+17</sup>, KMA<sup>+18</sup>, KSDE16, KN97, KFTE14, KHL<sup>+01</sup>, KW00, KOR06, KGHA<sup>+01</sup>, LVJC17, LRGH<sup>+05</sup>, LSdC<sup>+10</sup>, Las93, LLC17, LOB<sup>+09</sup>, LRN<sup>+14</sup>, LMA08, LEP14, LPPC<sup>+10</sup>, LGQ99, LAPL<sup>+16</sup>, LdSN<sup>+18</sup>, Lin04, LZB96, LZL<sup>+22</sup>, LB14, LKTS01, LNDH<sup>+17</sup>, LWGS00, LSM96, LSOM16, LDSV98, Lut15, MWS<sup>+15</sup>, MBI<sup>+10</sup>, MTR<sup>+10</sup>, Mal04, MB07b, MB07a, MGE13, MFB18, MB18, MBP<sup>+20</sup>, MS06a, MP17, Mar13]. **deep** [MNN10, MSW<sup>+13</sup>, MRP<sup>+17</sup>, MBD<sup>+17</sup>, MLBB14, MM15, MMN10, MBMGK08, MTDK98, MS11, MC15, NMN<sup>+17</sup>, NRH<sup>+06</sup>, NWZL23, OGG<sup>+15</sup>, OBRJ01, OKH<sup>+22</sup>, ODP<sup>+17</sup>, OBKA17, OGG<sup>+20</sup>, PTO<sup>+16</sup>, PK08, Pap05b, PPM<sup>+17</sup>, PTD<sup>+17</sup>, PGC<sup>+11</sup>, PBG07, PFdSG11, PP13, PL00, PSK00a, PSB14, PFC09, PPFS17, PKZ93, PCB<sup>+17</sup>, PGK15, PCP<sup>+17</sup>, PFDD16, PRB<sup>+11</sup>, PDS<sup>+17</sup>, PGZ<sup>+09</sup>, QED<sup>+14</sup>, ROB<sup>+17</sup>, RBDO17, RHD<sup>+11</sup>, RSR<sup>+19</sup>, RHW04, RMBW07, RRT<sup>+17</sup>, RDV<sup>+09</sup>, RSW<sup>+13</sup>, RvAH10, RE98, RGHN<sup>+97</sup>, RF99, RS15, RIHGS00, RVGF02, RAF<sup>+14a</sup>, RAF<sup>+14b</sup>, RKM23a, RCM<sup>+17</sup>, Rog00, RSS01, RSdV<sup>+09</sup>, RVD<sup>+10</sup>, RWN<sup>+08</sup>, RMNB08, Row13, RPZ<sup>+14</sup>, SMA<sup>+17</sup>, SGPD<sup>+14</sup>, SLS<sup>+09</sup>, SBDB09, SI09, SBG05, SBS<sup>+00</sup>, SSB<sup>+17</sup>, SvLM95, SFV<sup>+01</sup>, SE07, STFL<sup>+13</sup>, SKD<sup>+16</sup>, SDT<sup>+17</sup>, SFV<sup>+98</sup>, SNPS01, SBHS20, SK07, SRS<sup>+15</sup>, SSAL<sup>+17</sup>, SNS<sup>+07</sup>, SO98, SNB02, SC16, SAW16]. **deep** [SSI19, STD<sup>+20</sup>, SMB<sup>+98</sup>, SBM<sup>+13</sup>, SVKT20, SP00, Sot09, SN04, STR<sup>+14</sup>, STWW01, SGP<sup>+11</sup>, SJSI00, SPH<sup>+08</sup>, SAL95, SNK07, TBC<sup>+17</sup>, TCM<sup>+22</sup>, TTW<sup>+05</sup>, Thi01, Thi98, TH99, Thu06, TMP<sup>+13</sup>, TKP<sup>+20</sup>, TY98, UIS<sup>+03</sup>, VPA<sup>+09</sup>, VK04, VKGP<sup>+11</sup>, VMB17, VALM17, VHM17, VSR<sup>+10</sup>, VFFM13, VGD14, VWTK18, Vri09, Vri13, WSS<sup>+08</sup>, WTS08, WF13, WXL<sup>+23</sup>, WB09, WWL02, Wat09, Wea93, WST15, WGST08, WACGH11, WAP<sup>+18</sup>, WAM<sup>+18</sup>, WS11, Wil98, Wil08, WTA<sup>+18</sup>, Wit00, WC02, WL02, WPFB11, WPSB11, WPB11, XSL<sup>+17</sup>, YCN<sup>+10</sup>, YBRT17, YLG<sup>+18</sup>,

YERT13, ZBC<sup>+13</sup>, ZLZ<sup>+15</sup>, ZJFV15, ZWZ18, ZL23, ŽSN<sup>+18</sup>, ZdBB<sup>+07</sup>, vCHM18, BDG<sup>+04</sup>, BRBS16, JDBP<sup>+05</sup>, QNL<sup>+16</sup>, SA15a, CDB94]. **deep-** [HHR<sup>+08</sup>, LSM96]. **deep-benthic** [HDK08]. **deep-current** [Wea93]. **deep-diving** [SMA<sup>+17</sup>]. **Deep-learning** [CKY23a, CKY23b]. **deep-ocean** [BKY<sup>+17</sup>, BMOW09, Dud06, HDW<sup>+20</sup>]. **Deep-pelagic** [CSGV13, SPH<sup>+08</sup>]. **Deep-Sea** [AN06, Ano95b, Ano97b, Ano97c, ADGA06, BS06, CC00, CM16a, CBF<sup>+16</sup>, DTWW21, ENM<sup>+16</sup>, EWA<sup>+03a</sup>, GAL<sup>+20</sup>, HiII<sup>+20</sup>, LLM<sup>+03</sup>, MCS<sup>+03</sup>, MAA<sup>+05</sup>, PNLFS03, RVJG<sup>+05</sup>, RSCFT<sup>+16</sup>, RDC<sup>+18a</sup>, SSK<sup>+07</sup>, SMGB03, VSGM03a, WJD<sup>+00a</sup>, ANS<sup>+11</sup>, Ano96d, BCE18, BT98, BBB<sup>+07</sup>, CKFC18, DFA<sup>+20</sup>, ESL<sup>+10</sup>, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, GBB<sup>+17</sup>, GBSL98, HCBL<sup>+17</sup>, HD17, HIK<sup>+08</sup>, JTT04, JAP<sup>+13</sup>, LK98, MA15, MA18a, MA18b, MMDS18, NGF09, PRSS23, RBP<sup>+94</sup>, Sha01, SS09, SV09, SLM98, Sor99, SC15, VGSV09, WBM<sup>+10</sup>, AM22a, Ala18, AP22, ALSF<sup>+17</sup>, BN97, BMS<sup>+18</sup>, BBL<sup>+13</sup>, BMD<sup>+17</sup>, BSS<sup>+17</sup>, BCN<sup>+16</sup>, BGOL01, BBE<sup>+13</sup>, BSJ13, Bor01, BEZ<sup>+22</sup>, BG10, BBBM04, BE09, BEB11, BM15, BSW<sup>+13</sup>, BRB<sup>+13</sup>, CRS<sup>+19</sup>, CB18, Che13, CP18a, CP22, CM00, CHG15, CHV<sup>+15</sup>, CAJE15, CBMM15, CG04, CRD<sup>+17</sup>, CHS17, DCL<sup>+09</sup>]. **deep-sea** [DCC<sup>+13</sup>, DRBM97, DZL<sup>+17</sup>, DDB<sup>+17</sup>, DCA<sup>+98</sup>, Dia04, DFD<sup>+11</sup>, DQC14, DBH<sup>+20</sup>, ESG<sup>+17</sup>, EBDL08, EWF<sup>+18</sup>, FMZ15, FVW08, FB14, FDR<sup>+18</sup>, Gag04, GTSC08, GSM<sup>+08</sup>, GBPB<sup>+13</sup>, GPBV<sup>+07</sup>, GBO01, HKR<sup>+01</sup>, HZS00, HC13, HRM<sup>+18</sup>, IARR01, KBB07, KBK<sup>+18</sup>, KBG<sup>+10</sup>, KB15, KWA<sup>+20</sup>, Kel10, KJB<sup>+08</sup>, Kha18, KCD<sup>+17</sup>, KFS<sup>+17</sup>, KSDE16, KFTE14, KHL<sup>+01</sup>, KGHA<sup>+01</sup>, LVJC17, LRGH<sup>+05</sup>, LOB<sup>+09</sup>, LRN<sup>+14</sup>, LEP14, LdSN<sup>+18</sup>, LZL<sup>+22</sup>, LB14, LKTS01, LNDH<sup>+17</sup>, LSOM16, LDSV98, Lut15, MBI<sup>+10</sup>, Mal04, MB07b, MB07a, MGE13, MFB18, MB18, MBP<sup>+20</sup>, MS06a, MP17, MNN10, MRP<sup>+17</sup>, MLBB14, MTDK98, MS11, NMN<sup>+17</sup>, OGG<sup>+15</sup>, OBRJ01, OKH<sup>+22</sup>, ODP<sup>+17</sup>, PTO<sup>+16</sup>, PPM<sup>+17</sup>, PTD<sup>+17</sup>, PGC<sup>+11</sup>, PfDSG11, PSB14, PPFS17, PCB<sup>+17</sup>, PCP<sup>+17</sup>, PFDD16, PDS<sup>+17</sup>, PGZ<sup>+09</sup>, ROB<sup>+17</sup>, RBDO17, RHD<sup>+11</sup>, RMBW07, RRT<sup>+17</sup>, RDV<sup>+09</sup>, RSW<sup>+13</sup>, RE98, RIHGS00, RAF<sup>+14a</sup>]. **deep-sea** [RAF<sup>+14b</sup>, RKM23a, RSS01, RSdV<sup>+09</sup>, Row13, RPZ<sup>+14</sup>, SLS<sup>+09</sup>, SBDB09, SI09, SBS<sup>+00</sup>, SSB<sup>+17</sup>, SE07, STFL<sup>+13</sup>, SDT<sup>+17</sup>, SFV<sup>+98</sup>, SK07, SRS<sup>+15</sup>, SNS<sup>+07</sup>, SO98, SC16, SAW16, SSI19, STD<sup>+20</sup>, SBM<sup>+13</sup>, Sot09, STR<sup>+14</sup>, STWW01, SNK07, TBC<sup>+17</sup>, TMP<sup>+13</sup>, TY98, VKGP<sup>+11</sup>, VALM17, VHM17, Vri09, Vri13, WF13, WB09, WACGH11, WAP<sup>+18</sup>, WAM<sup>+18</sup>, Wil98, WTA<sup>+18</sup>, WL02, WPSB11, XSL<sup>+17</sup>, YLG<sup>+18</sup>, YERT13, ZBC<sup>+13</sup>, ZLZ<sup>+15</sup>, ZJFV15, ZWZ18, BDG<sup>+04</sup>, SA15a, CDB94]. **deep-seabed** [LLC17]. **Deep-water** [BOC18, Dau18, GC18, HSD04, Ste13, Ala13, AAG19, BM17, BFT10, BW99a, BL04, BSSE16, BWH<sup>+17</sup>, BBW<sup>+15</sup>, CP13, CMVS<sup>+10</sup>, CG15, DMS<sup>+10</sup>, DRRBC16, Di 10, EP18, HAP03, HWS<sup>+07</sup>, Lin04, MWS<sup>+15</sup>, MTR<sup>+10</sup>, MBD<sup>+17</sup>, MBMGK08, PBG07, PFC09, RS15, RVD<sup>+10</sup>, SGPD<sup>+14</sup>, SAL95, TH99, VSR<sup>+10</sup>, VFFM13, WTS08, WST15, WGST08, YBRT17]. **deeper** [BPBJ13]. **deepest** [AM15]. **DeepLev** [KWA<sup>+20</sup>]. **Deeps** [JSWB21, KGB16]. **deepwater**

[AM18, AD08, JD08, MB08, ZRC<sup>+11</sup>, Joy16, LLG<sup>+16</sup>, PFDD16, SEM16, SAW16, ULTL16, WZL<sup>+16</sup>, YNG<sup>+16</sup>, ZA16, ZJA16]. **deepwaters** [ZA16]. **defense** [TTDR13]. **deficiency** [DVS<sup>+97</sup>, FCG<sup>+96</sup>, KBSS93]. **deficient** [DAKR20, FDC<sup>+18</sup>, GBLS00, PHD<sup>+18</sup>]. **deficit** [DGP20, SRF09b]. **deficits** [RI05]. **defined** [VGGLB15, ZFA<sup>+02</sup>]. **Defining** [DHS<sup>+14</sup>, HYMD11]. **definition** [MCH<sup>+13</sup>]. **deformation** [GPC<sup>18</sup>, HHW<sup>+08</sup>, HEW15]. **deglacial** [CKS05]. **deglaciation** [HSS<sup>+12</sup>, SSR<sup>+14</sup>]. **degradation** [AZYT16, HCRX16, MGG<sup>+09</sup>, NCT13, PRC<sup>+09</sup>, VCSM09, YCT<sup>+22</sup>]. **degrading** [BCN<sup>+16</sup>, RPZ<sup>+14</sup>, YNG<sup>+16</sup>]. **Degree** [DSK<sup>+13</sup>, JTDG13, OWD13]. **dehydrogenase** [GQ09]. **deleterious** [PWL07]. **delimitation** [BBT<sup>+18</sup>, KBK<sup>+18</sup>]. **Delineating** [BH14, OKY<sup>+17</sup>]. **Delineation** [VGGLB15]. **delivering** [MBS<sup>+13</sup>]. **Delmarva** [CWFP94]. **Delphinapterus** [EF98]. **demand** [CBW01, CBA<sup>+05</sup>, HMC09, HLM<sup>+01</sup>, MBC<sup>+09b</sup>]. **Demersal** [BMH08, MRMP09, NHBM10, WPFB11, CJA<sup>+06</sup>, CSCP13, CLJ<sup>+13</sup>, FVW08, KBFH14, LCL<sup>+22</sup>, LAJP13, MDG13, MG13, NSWY20, PKHH17, PDB<sup>+20</sup>, QSA<sup>+09</sup>, WBD17]. **demographic** [GWDP11, PDC<sup>+21</sup>]. **Demography** [CAJE15, HKN<sup>+04</sup>, KNV<sup>+10</sup>, PTS01, SKW<sup>+04</sup>]. **Demospongiae** [KGB<sup>+14</sup>, SKS<sup>+23</sup>]. **denaturing** [RSF<sup>+99</sup>]. **Dendrophyllia** [OGJ<sup>+19</sup>]. **Dendrophylliidae** [ROC<sup>+21</sup>]. **Denison** [HGM<sup>+11</sup>]. **Denitrification** [GBG15, SSR96, CD09, CCK<sup>+16</sup>, FL02, HBT<sup>+08</sup>, HWS<sup>+13</sup>, SWC09]. **denitrifying** [BRM18, GKB<sup>+18</sup>]. **Dense** [BH94, ABG<sup>+20</sup>, GOC09, JCP<sup>+22</sup>, OGC09, PHOM09, SHB02]. **densification** [You10]. **densities** [DLW<sup>+17</sup>, SN00]. **Density** [FHvFM08, dSG09a, BLB<sup>+11</sup>, BGB08, BASLK04, BSL08b, CTW<sup>+15</sup>, CAC<sup>+97</sup>, EW99, HSBT19, HKN<sup>+04</sup>, KOM17, KGE<sup>+04</sup>, LPK<sup>+17</sup>, LLM<sup>+17</sup>, NCSB<sup>+98</sup>, PLD<sup>+17</sup>, PO15, WC06a, YBC<sup>+17</sup>, ZFP<sup>+16</sup>, ZWJ<sup>+19</sup>]. **Deoxygenation** [WREC18]. **dependence** [SO98]. **dependent** [BMHR08, DVS<sup>+14</sup>, OLP<sup>+20</sup>, Pör06, SDL22, STS<sup>+15</sup>, TCG<sup>+18</sup>]. **depicted** [PMLM<sup>+02</sup>]. **Depleted** [CHL<sup>+15</sup>, SNK07]. **depletion** [BL98, SVS93, TYBY06]. **deployments** [ACD<sup>+17</sup>, MC06]. **depocenter** [ARK<sup>+94</sup>]. **deposit** [DBH<sup>+20</sup>, KME18, MDTS08]. **deposit-feeders** [DBH<sup>+20</sup>]. **depositing** [OMY<sup>+03</sup>]. **Deposition** [CG18, DTB<sup>+02</sup>, CKH<sup>+05</sup>, CLGM05, DBD03, GRD<sup>+08</sup>, IGN<sup>+10</sup>, LKH<sup>+07</sup>, NVBJ08, PSK00a, SHD<sup>+14</sup>, SBD05, SZG<sup>+13</sup>, SKM14a, SLB13a, TMP<sup>+19</sup>, TBA<sup>+02</sup>, VKGP<sup>+11</sup>, VM01, ZEGB97, dSJB<sup>+11</sup>]. **depositional** [Cha03, DBJ97, GMC97, HMLS<sup>+06</sup>, KSB<sup>+03</sup>]. **deposits** [CH07, GPK02, LCK<sup>+18</sup>, PTD<sup>+17</sup>, PCB<sup>+17</sup>, Sch07, TBC<sup>+17</sup>]. **Depression** [WB03]. **Depth** [CSL<sup>+07</sup>, DKT<sup>+01</sup>, LBR<sup>+08</sup>, ZWL<sup>+22</sup>, ARB<sup>+13</sup>, BRJM18, Ber01, BSJ13, BRBD17, CdST<sup>+17</sup>, CBHF10, CG04, CP05, DBBWH20, FHvFM08, GGRW99, GHIM04, GHG<sup>+04</sup>, GG02, GARVK04, KCM<sup>+14</sup>, LG09, LB14, MS09, MHA<sup>+15</sup>, MWB<sup>+09</sup>, NDE14, PDB<sup>+20</sup>, QW15, RPS<sup>+11</sup>, RLB18b, SLB18, SIFS10, SVS<sup>+20</sup>, SHW<sup>+16</sup>, SWMB10, TR02, TLSY11,

TCEW07, TMP<sup>+13</sup>, WEB93, WSB08, WHLR13, Yu03]. **Depth-stratified** [LBR<sup>+08</sup>]. **depth-wise** [BRJM18]. **depths** [CPF<sup>+14</sup>, CDDC03, EGMB13, FC09, HTD13, JLL<sup>+13</sup>, Kam13, NBCT13, PDY20, PRSS23, RJT11, SW09, SM15, SLM<sup>+20</sup>, SHM<sup>+11</sup>, SCPC98, TNT<sup>+15</sup>, YWI<sup>+02</sup>]. **derived** [ACBV<sup>+18</sup>, AZYT16, ATN<sup>+12</sup>, ASFI02, BS01, BSM01b, BB03, BTRL99, BAH<sup>+95</sup>, BBA<sup>+98</sup>, CFGR07, CC15, DGR19, EPPR09, FHYI03, GHB<sup>+05</sup>, Grü99, HLG<sup>+21</sup>, HSR<sup>+22</sup>, KL06, KK20, KMG<sup>+20</sup>, KLKB95, LMvDA16, LLH<sup>+15</sup>, LBY<sup>+10</sup>, MS12, ME02, MSTT07, NBBBT13, OMS06, OE06, Osc01, PG18, PDS<sup>+17</sup>, SR08a, SSHB03, SP09, SWLL23, SJ00, SP06, VMM<sup>+08</sup>, WPSB11, BE00, LTG<sup>+09</sup>, SMLP04]. **Deriving** [LW04]. **Desbruyères** [DCA<sup>+98</sup>]. **describe** [ZRG16]. **described** [AM15, ADGA01, AGP05, ADG<sup>+08</sup>, HRS<sup>+23</sup>, LB98a]. **Description** [BCNS15, MGE13, Ala15, Ala18, BBAL<sup>+20</sup>, BVL04, BSCE15, BBW<sup>+15</sup>, CKFC18, CSE<sup>+22</sup>, CB18, CP18a, CP18b, CPM<sup>+18</sup>, CBMM15, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, GUSB03, Gol15, GMB18, Gol18, HS98, HDGM19, KB15, KGS23, LC03, MFB18, MB18, Mar18, MM15, MBOvL08, NCK<sup>+22</sup>, OBH<sup>+18</sup>, PBB<sup>+13</sup>, PRSS23, Ste13, SC15, VWTK18, dMGPT<sup>+14</sup>]. **descriptions** [BBT<sup>+18</sup>, DAGK<sup>+17</sup>, GM22, Mal15, MG22]. **desert** [BLS<sup>+08</sup>, RHL<sup>+22</sup>]. **design** [CJF<sup>+98</sup>, DTJ<sup>+14</sup>, DKC<sup>+17</sup>, HWP<sup>+11</sup>, IMG<sup>+19</sup>, PWL07]. **designs** [PSK<sup>+14</sup>]. **Desmodora** [MFS<sup>+23</sup>]. **Desmodoridae** [MFS<sup>+23</sup>]. **desmosomatid** [BBT<sup>+18</sup>]. **Desmosomatidae** [Gol15, Gol18]. **despite** [BJF16]. **destination** [KL06]. **destinations** [GMD07, SSB<sup>+06</sup>]. **detachment** [HTT15]. **detect** [TCEW07, ZKSS06]. **detected** [HEW15, PO15]. **Detecting** [Bae11, KL13, SBH<sup>+01</sup>, HCRX16]. **Detection** [CLGM05, PBG<sup>+10</sup>, CC15, ESL<sup>+10</sup>, FD98, GDD<sup>+09</sup>, GMC19, ROBV<sup>+18</sup>, TAB<sup>+16</sup>]. **detections** [BCT21]. **determinants** [HLFP08]. **Determination** [MKKF18, ZDW<sup>+20</sup>, FWC<sup>+12</sup>, WWN<sup>+02</sup>]. **determinations** [RJWD01]. **determine** [BLS<sup>+97</sup>, DBN<sup>+11</sup>, KCTG16, SAM96]. **determined** [BDO00, BMRTL93, BHBC08, HHKH<sup>+04</sup>, KMDW01, MF93a, MLS<sup>+15</sup>, MYN<sup>+96</sup>, NCSB<sup>+98</sup>, RJDR06, RVZ02, RFB97, SiSA<sup>+02</sup>, STWW01, TRM<sup>+15</sup>, Wat09, WWB04, WvdE00, WvdEP<sup>+10</sup>]. **determines** [SWK<sup>+23</sup>]. **Determining** [GRC<sup>+03</sup>, SJL05, WLT20, GMK<sup>+08</sup>, VM01]. **deterministic** [FSL<sup>+01</sup>]. **detrimental** [WTT<sup>+20</sup>]. **Detrital** [SBG<sup>+98</sup>, DBH<sup>+20</sup>, NAT<sup>+12</sup>, SMCA01, Sch07, WCB98]. **Detritivory** [MSJS08]. **detritus** [ATN<sup>+12</sup>, Heb00, RBP<sup>+94</sup>, SSV02, VD98]. **detritus-rich** [VD98]. **develop** [BY09]. **Developing** [AH17, IMG<sup>+19</sup>, RDW<sup>+12</sup>, RWR<sup>+02</sup>]. **Development** [Ano14, BKST13, CLF<sup>+09</sup>, CFZ<sup>+18</sup>, KUN10, LWSA08, LTL<sup>+23</sup>, MWS<sup>+15</sup>, MGT16, PZL<sup>+09</sup>, BSK<sup>+97</sup>, Bol08, BM07, BSH<sup>+11</sup>, CDP<sup>+02</sup>, CGD<sup>+15</sup>, CM01, Dal04, DPK<sup>+14</sup>, DKP<sup>+14</sup>, DTJ<sup>+14</sup>, DCC<sup>+01</sup>, GGRJD<sup>+10</sup>, Gou05, HSHM02, IABR<sup>+17</sup>, KCMA05, MPM<sup>+16</sup>, MBD<sup>+17</sup>, MXC15, NLDJ14, PH19, PDK<sup>+14</sup>, Pee97, RPA07, RFF<sup>+02</sup>, SSHB03, SFV<sup>+98</sup>, SPDW19, SSR<sup>+14</sup>, SMSA05, VPP07, WTS08, WW04a, WGNH15, WNRM08, ZQW19, vdLEM<sup>+14</sup>]. **developments** [DCA<sup>+98</sup>, XGF18]. **deviations** [BW99a, SLB13a]. **devices**

[LMLC<sup>+17</sup>, OLP<sup>+20</sup>]. **devising** [HCJ<sup>+22</sup>]. **Devonian** [Mas02, Sch07].  
**DFADs** [LMLC<sup>+17</sup>, OLP<sup>+20</sup>]. **DGGE** [RSF<sup>+99</sup>]. **diagenesis**  
 [Cha03, HMB<sup>+96</sup>, MHB<sup>+95</sup>, PLdL97, PTD<sup>+17</sup>, PCB<sup>+17</sup>, TBC<sup>+17</sup>].  
**diagenetic** [FSCC07, GPBV<sup>+07</sup>, WOM<sup>+16</sup>]. **diagnose** [RN06]. **diagnosed**  
 [SMS<sup>+07</sup>]. **Diagnoses** [KM05b]. **diagnostic** [PHH<sup>+06</sup>, SGB<sup>+02</sup>]. **diameter**  
 [PFW<sup>+09</sup>]. **Dianeutral** [You99]. **diapause** [PTWM12, SD06b]. **Diapir**  
 [WMB<sup>+13</sup>]. **Diapycnal** [MD06, Thu06, MPH02, SF11, SD22]. **Diatom**  
 [KLD21, LXWC21, RHPC<sup>+19</sup>, TSOT16, AWL<sup>+09</sup>, APL<sup>+23</sup>, ATJ05,  
 AGPR95, ACBMQ08, BNFS01, CWS<sup>+23</sup>, CCH95, CHR97, CSS<sup>+02</sup>,  
 FHR<sup>+14</sup>, FGW02, FAMY20, GPK02, KOS<sup>+16</sup>, KPPL00, KNB11, MPC99,  
 MZR<sup>+95</sup>, MGC<sup>+14</sup>, MGG<sup>+09</sup>, OTK<sup>+05</sup>, OSHB07, OTH05, PA95, RMPI<sup>+17</sup>,  
 SLS<sup>+07</sup>, SNB02, SKMDR02, SSLA95, SKF<sup>+10</sup>, TVLB08, TGFP02, TSN<sup>+06</sup>,  
 TIS<sup>+13</sup>, VABCR<sup>+24</sup>, WSL07, WLH<sup>+16</sup>]. **diatom-bound** [CSS<sup>+02</sup>].  
**Diatoms** [ACQ<sup>+08</sup>, BLS<sup>+08</sup>, KT05, OTN16, ASV18, BTV<sup>+11</sup>, BBB<sup>+11b</sup>,  
 CLT94, DCF<sup>+11</sup>, GTTKB14, KT02, MQACB08, OA11, PMS<sup>+07</sup>, RCW<sup>+15</sup>,  
 TMC<sup>+14</sup>, TLK<sup>+02</sup>, WN01, Yal01]. **diazotrophs** [RLD<sup>+15</sup>]. **diazotrophy**  
 [HWP<sup>+07</sup>]. **DIC** [ZQ97]. **Dichromadora** [VVV04b]. **Did**  
 [LSS<sup>+11</sup>, WZL<sup>+16</sup>]. **die-off** [WTI<sup>+20</sup>]. **Diel**  
 [BD02, DN97, DPS<sup>+11</sup>, GFPM02, HHH01, KMD<sup>+99</sup>, LS10, LOFC00,  
 MBMM<sup>+99</sup>, TBT05, YOK<sup>+10</sup>, YXC<sup>+19</sup>, AML01, ABC<sup>+05</sup>, DO96, GGRW99,  
 HA10, KL03, MHS01, SW01, TLKT00, WCRG95, WZZ<sup>+19</sup>, ZD97]. **Diet**  
 [DBMI17, RKM23a, WBD17, WPSB11, ASF<sup>+12</sup>, BTC13, BOKA16, BBB<sup>+01</sup>,  
 CTW<sup>+20</sup>, CCC<sup>+23</sup>, FHAH16, GBH<sup>+17</sup>, JH04, KBSS93, LTS<sup>+13</sup>, LLW01,  
 MMID17, MPF<sup>+17</sup>, MZH16, PSS<sup>+16</sup>, PCP<sup>+17</sup>, RDBP14, RHM13, SRFR07,  
 WAN<sup>+15</sup>, WPFB11, YKO15]. **Dietary** [BOB20, KY17, SLLT10, TCEW07].  
**Diets** [HBJ02, PKHH17, BTR20, CMH09, DSG<sup>+09b</sup>, GFS15, GBP21, JZX10,  
 MPJ<sup>+13</sup>, RMD<sup>+12</sup>, SJST13, WGST08]. **differ** [CD20, LCL<sup>+09</sup>, SCD<sup>+22</sup>].  
**Differences** [BLH05, NDG96, PRMM<sup>+17</sup>, SLB<sup>+15</sup>, APMN<sup>+17</sup>, BE00, CL06,  
 FLM10, FGW02, FBBW<sup>+10</sup>, HCG<sup>+09</sup>, KWW<sup>+12</sup>, OMAA18, PABH07,  
 SLP<sup>+17</sup>, TPW07, WL20]. **different** [AGGdC14, CBNR<sup>+09</sup>, CRNP06, DB02,  
 FKW01, HSO04, HSC<sup>+07</sup>, IUdV<sup>+12</sup>, JBS<sup>+10</sup>, KCD<sup>+17</sup>, LYN<sup>+13</sup>, MSF<sup>+22</sup>,  
 NVBJ08, NED09, Pee97, Pro09, RDP<sup>+02</sup>, RAC<sup>+20</sup>, RCKCK07, RNP93,  
 SLM<sup>+20</sup>, SHY<sup>+08</sup>, SLB<sup>+16</sup>, TMH<sup>+08</sup>, TGA<sup>+09</sup>, TNT<sup>+15</sup>, WZB<sup>+14</sup>, ZJH08].  
**Differential** [BFM<sup>+14</sup>, ODCP98, Hol06, TLKT00]. **Differentiated**  
 [GLCU<sup>+17</sup>]. **differentiation** [ASMM11, RLB18b]. **differing**  
 [IBD10, JTW00]. **diffuse** [MTB09, MS18, MSNL09, NLSL09]. **diffusion**  
 [Hol06, MPM<sup>+16</sup>, SF11, Sva96]. **diffusive** [DRBM97, FKW01, GRSW00].  
**diffusivity** [DM16a]. **dilution** [HKS11, LSS<sup>+11</sup>]. **dimensional**  
 [Bas19, CDP<sup>+02</sup>, CWD<sup>+10</sup>, DFMW13, DW15b, DP02, DGN96, DBC<sup>+02</sup>,  
 FNYK02, GSK02, GWP<sup>+98a</sup>, GFW07, GGSC03, HKMS03, KB99, KKUK10,  
 SOW01, TMC04, WC06a, YLH<sup>+10</sup>, ZHM<sup>+24</sup>, ZLOR02]. **Dimethyl**  
 [BAR<sup>+02</sup>, AGN<sup>+02</sup>, TNBL95]. **Dimethylsulfide**  
 [BTB<sup>+08</sup>, BML<sup>+06</sup>, GMK<sup>+08</sup>, TLP<sup>+12</sup>]. **dimethylsulfoniopropionate**  
 [OFD<sup>+22</sup>]. **Dimethylsulphide**

[JFK<sup>+</sup>10, BMML06, BABB08, BLdM<sup>+</sup>02, Hat02b, SGA97].  
**dimethylsulphoniopropionate**  
 [ASN<sup>+</sup>02, AGN<sup>+</sup>02, ASH<sup>+</sup>11, BLdM<sup>+</sup>02, JFK<sup>+</sup>10, MBK97, SGA97, TNBL95].  
**Dimethylsulphoxide** [HTML98, BLdM<sup>+</sup>02, SGA97]. **DIN** [HWS<sup>+</sup>13].  
**Dinitrogen** [SKGD14]. **Dinoflagellate** [RBCG10, SAG<sup>+</sup>10, Zon97, ADE22, BFG<sup>+</sup>10, BFK<sup>+</sup>14, DLG<sup>+</sup>14, DPS<sup>+</sup>14, FRBB10, KCA05, OM14, OT10, PTD<sup>+</sup>14, SAKP<sup>+</sup>22, TBT05, TMTR14, ZB00]. **dinoflagellates**  
 [BFF<sup>+</sup>10, FGB10, GTTKB14, VSS<sup>+</sup>93, WZ14, Yal01]. **Dinophyceae**  
 [GKQ<sup>+</sup>05, TFR<sup>+</sup>10]. **Dinophysis** [dSVC<sup>+</sup>14, FVSRR14, VSGGPR14].  
**dioxide** [ÁRR02, Ano96g, BDB97, BMK96, CCW<sup>+</sup>08, CMW<sup>+</sup>05, COJ<sup>+</sup>09, Dan95, FdBGP11, FCA04, GCS<sup>+</sup>12, HNRGL06, Met09, MDO<sup>+</sup>98, PDE<sup>+</sup>16, RPF01, RW95, SCGDL02, SCGDU09, TNIW02, WTL<sup>+</sup>06]. **diphenyl**  
 [CHW<sup>+</sup>12]. **Dipole** [FM03b, MV19, RBMY02, RTM14, RNR20, TPW07, VHT<sup>+</sup>20, VIY02, BHHM<sup>+</sup>12]. **Direct** [BHAL13, FKH13, HO99, PBGCD<sup>+</sup>13, vHHH<sup>+</sup>11, BL06, NR00, RG13, SSY<sup>+</sup>05, SJM02]. **direction** [EBG<sup>+</sup>11].  
**directions** [ASBR17, BMR<sup>+</sup>14, LWWF18]. **disaster** [ULTL16]. **discarded**  
 [BSSE16, KSDE16]. **discharge** [AIW03, BS21, GOC09, NGF09, OGC09, PFC09, SCL<sup>+</sup>04, SLS<sup>+</sup>09, SEM16, ZG15]. **Discharges**  
 [AAW<sup>+</sup>16, OCP18, PFAZL09, VPA<sup>+</sup>09]. **disciplinary** [BG09b]. **DISCO**  
 [BAR<sup>+</sup>02]. **DISCOL** [TSA<sup>+</sup>01]. **discordance** [MGK19]. **Discospirina**  
 [GAJ<sup>+</sup>13]. **discovered** [MCH<sup>+</sup>13, SDGH14]. **discoveries** [BOC18].  
**Discovery** [FYS<sup>+</sup>17, AGW<sup>+</sup>13, XSL<sup>+</sup>17, TWA<sup>+</sup>12, MAH<sup>+</sup>12]. **Discrete**  
 [SRBR05, RLVF02, SHM<sup>+</sup>11, TRM<sup>+</sup>15, ZJFV15]. **discrimination**  
 [BWWG98, BGMH01]. **discussion** [AM22b]. **disequilibria**  
 [CCZ<sup>+</sup>21, VMGO<sup>+</sup>09]. **disequilibrium**  
 [ACH02, MES97, SKC99, TTLP06, VMM<sup>+</sup>08]. **disjuncta** [GK16]. **dispersal**  
 [BW93, BY09, CRP<sup>+</sup>05, HMSMK04, MS06b, TY98, VALW23]. **dispersant**  
 [DRRBC16, PPS<sup>+</sup>16]. **dispersants** [SKD<sup>+</sup>16]. **dispersion**  
 [ABS<sup>+</sup>14, Ben13, DL01, MC06, MRL01]. **displacement** [You10].  
**displaying** [BB04]. **disposal** [BMOW09, GK16, JBD<sup>+</sup>09, SC16]. **disposed**  
 [EFR<sup>+</sup>16, KCTG16, TD16]. **Disseta** [MN10]. **dissimilarity** [KMD<sup>+</sup>11].  
**dissipation** [Fer06, HLNO96, MW05a, SBB<sup>+</sup>05]. **dissipative** [SN04].  
**Dissolution** [And00, MHB<sup>+</sup>95, BJF16, Che02, GRD<sup>+</sup>08, KBV<sup>+</sup>97, MS06a, Rai11, SBL<sup>+</sup>07, VQ97a, VQ97b, WSL07]. **Dissolution-affected** [And00].  
**dissolution-generated** [Che02]. **Dissolved**  
 [AIW03, CD95, CHN<sup>+</sup>10, CMB<sup>+</sup>97, DÁSCP02, GGM<sup>+</sup>16, KBLA97, KNK15, KLM<sup>+</sup>11, LRGH<sup>+</sup>05, LMM<sup>+</sup>17, MV01, MHFM15, MvSdBL11, MdBL<sup>+</sup>11, PCB<sup>+</sup>00, PBNF<sup>+</sup>16, PSF<sup>+</sup>07, SdS01, SvdMC<sup>+</sup>16, SBD05, SGA97, VCR02, WDC<sup>+</sup>15, ZLJ08, ARC02, BC11, BBH05, BDW<sup>+</sup>98, BA10, BWD20, BDO00, BCG04, BL96, BSL08a, BSS15, CFJL96, CHPS00, CZVR02, CW97, CBS11, DB05, DC00, FL02, FCW<sup>+</sup>15, GWZ16, GBL<sup>+</sup>08, GLSK<sup>+</sup>17, GGO<sup>+</sup>14, GMC<sup>+</sup>12, GCN<sup>+</sup>97, HMW<sup>+</sup>15, HVN02, HCRX16, HCG<sup>+</sup>03, HWC07, HLM<sup>+</sup>01, KAI21, KMSM11, KMD<sup>+</sup>01, KTF07, KLČ<sup>+</sup>19, LBR<sup>+</sup>11, LGC<sup>+</sup>12, LFC16, LSC02, MMS<sup>+</sup>16, MDB98, MHB05, MORB<sup>+</sup>15, MGS<sup>+</sup>10, MBS<sup>+</sup>13,



MCJ<sup>+99</sup>, MBTM97, MC13, MLS<sup>+15</sup>, NOT<sup>+09</sup>, NESB<sup>+15</sup>, NTS<sup>+11</sup>, OUK03, OENB01, PW15, PDE<sup>+16</sup>, RT14, RZL<sup>+10</sup>, RGS<sup>+97</sup>, RSB<sup>+15</sup>, SSUB15, SGD<sup>+03</sup>, TGK<sup>+11</sup>, TA01, VvdLS11, VAK<sup>+09</sup>, WPG<sup>+07</sup>, WKM<sup>+07a</sup>, WRZ<sup>+19</sup>, WWH97, WWC<sup>+19</sup>, WYW<sup>+02</sup>, WWN<sup>+02</sup>]. **dissolved** [WSLC15, YCN<sup>+10</sup>, YET06, YOI<sup>+09</sup>, ZZY<sup>+19</sup>, ZWQ<sup>+19</sup>, ZFA<sup>+02</sup>, vdMLB<sup>+11</sup>, LCE<sup>+23</sup>]. **dissolved-particulate** [RSB<sup>+15</sup>]. **Dissostichus** [SHC<sup>+22</sup>]. **distal** [BSS<sup>+17</sup>, CRD<sup>+17</sup>]. **distance** [RLB18b, SLM<sup>+20</sup>]. **distance-to-coast** [SLM<sup>+20</sup>]. **distances** [HPS<sup>+13</sup>]. **Distinct** [DAN23, CDM23, IUDV<sup>+12</sup>, KGB<sup>+11</sup>, LRN<sup>+14</sup>]. **distinction** [Car07]. **Distinctive** [KAHS20]. **Distinctiveness** [BH08]. **distinguished** [BLS05, YFY<sup>+10</sup>]. **distinguishes** [CDM23]. **Distributed** [CGG<sup>+19</sup>, GMC19, KCO<sup>+19</sup>, SBB<sup>+19</sup>, KGB<sup>+14</sup>, MK19]. **Distribution** [AAG06, AD08, APT11, ABC<sup>+05</sup>, ASV18, ADGA01, ASFI02, ARW<sup>+04</sup>, ADG<sup>+08</sup>, BLB<sup>+11</sup>, BMH08, BDM<sup>+03</sup>, BSL08a, BCH<sup>+11</sup>, BTC13, BSSE16, CHW<sup>+12</sup>, CPF<sup>+14</sup>, CHT<sup>+13</sup>, CDA98, CBS<sup>+01</sup>, CCC<sup>+23</sup>, CAGLV<sup>+06</sup>, CHSVB<sup>+19</sup>, DC12, DB97a, DONF08, DGB<sup>+98</sup>, EGMB13, ERB<sup>+99</sup>, FHT<sup>+14</sup>, GKQ<sup>+05</sup>, HSS<sup>+18</sup>, HML99, HK07, HP08, HK10, HSY08, HRM<sup>+11</sup>, HZWW16, JLK03, KRW03, KM98, KT02, KIM08, KTF07, KSS<sup>+00b</sup>, LGP<sup>+03</sup>, LB18, LHZ<sup>+16</sup>, LWB<sup>+20</sup>, LW10, LMF<sup>+21</sup>, LLM<sup>+02</sup>, LLM<sup>+03</sup>, MS06a, MC09, MEB<sup>+23</sup>, MHA<sup>+01</sup>, MBM<sup>+00</sup>, MBTM97, MTM<sup>+13</sup>, MZH16, MHM<sup>+14</sup>, NTH10, NEN<sup>+07</sup>, NCSB<sup>+98</sup>, OMG<sup>+11</sup>, OUK03, OGBF08, PS04a, PMJW10, PPZ93, PNH<sup>+00</sup>, PC08, PGPP<sup>+13</sup>, PFG<sup>+03</sup>, PNC<sup>+06</sup>, PHKW10, RCM<sup>+17</sup>, SRS<sup>+20</sup>, SVJRSON04, SvdLM95, SCD14, SSV02, SSW05, TGA<sup>+09</sup>, TDvdE<sup>+10</sup>, TSSR20, TIS<sup>+13</sup>, VJP<sup>+10</sup>, VGBGPA02, VLR<sup>+02</sup>, VHC<sup>+17</sup>, WCC05, WPJW96]. **Distribution** [Yal01, YET06, ZZY<sup>+19</sup>, vdLCS<sup>+11</sup>, ALWW04, AWL<sup>+09</sup>, Ala13, Ala22, ACG<sup>+01</sup>, AKK<sup>+14</sup>, AJG<sup>+10</sup>, ATLD<sup>+20</sup>, Ano97b, ALR<sup>+14</sup>, ADGA05, ADGA06, ACG<sup>+17</sup>, AGD96, AAL<sup>+17</sup>, BDL<sup>+22</sup>, BGIJ<sup>+06</sup>, BJK<sup>+22</sup>, BMC99, BLSW05, BHMC05, BBH05, BSS<sup>+17</sup>, BBM<sup>+08</sup>, BWS<sup>+98</sup>, BvGH<sup>+17</sup>, BFT<sup>+97</sup>, BPM18, Bla94, BBR<sup>+18</sup>, BSRB17, BLdM<sup>+02</sup>, BWC<sup>+02</sup>, BHS<sup>+17</sup>, BCB07, BMK09, BFS<sup>+17</sup>, BJ15, BBB<sup>+01</sup>, CAMA<sup>+02</sup>, CBNR<sup>+09</sup>, CTW<sup>+15</sup>, CFL<sup>+99</sup>, CRDP02, CRNP06, CSM13b, CRF04, CHPF10, CWS05, CBSS02, CHN<sup>+18</sup>, CSF<sup>+12</sup>, CSG<sup>+13</sup>, CSS<sup>+10</sup>, CMTS97, CP02, CP05, CBK<sup>+07</sup>, CHH19, CBK<sup>+22</sup>, CRBK03, CHR97, CBPT05, CAÖT04, CBS11, CRI18, DEJ08, Dau18, DSN<sup>+10</sup>, DDAH<sup>+14</sup>, DTWF17, DZL<sup>+17</sup>, DWM<sup>+15</sup>, DMC<sup>+01</sup>, DRVVS<sup>+14</sup>, DRR17, DLL<sup>+15</sup>, DBL<sup>+19</sup>, DG18, DC06, EZB<sup>+20</sup>, EEAA<sup>+19</sup>, EEAC<sup>+20</sup>, ESK<sup>+23</sup>, EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, EPPR09, ETD<sup>+11</sup>, FPB<sup>+14</sup>, FLT04]. **distribution** [FLTCV10, FVW08, FMO02, FWC<sup>+12</sup>, FSK<sup>+02</sup>, FUGG<sup>+09</sup>, FCBD08, FWZM12, FZW<sup>+13</sup>, GGF<sup>+08</sup>, GRWW01, GZGH22, GASGB<sup>+14</sup>, GGAMV<sup>+23</sup>, GCR<sup>+02</sup>, GWR93, GR10, GBPB<sup>+13</sup>, GGTMG<sup>+10</sup>, GRSW00, GSB<sup>+03</sup>, GWP<sup>+98b</sup>, GKBG17, GLMB18, GBVG<sup>+02</sup>, GOP<sup>+01</sup>, HZL<sup>+12</sup>, HMH<sup>+02</sup>, HPY<sup>+15</sup>, HCWH00, HHNK<sup>+04</sup>, HHKH<sup>+04</sup>, HWTN22, Hug14, HNCW23, HPM02, HRK14, JB01, JM15, JT07, JKK<sup>+10</sup>, JAP<sup>+13</sup>, Kam13, Kam15, KOM17, KFG<sup>+03</sup>, KMSM11, KSL<sup>+04</sup>, KNV<sup>+10</sup>, KBSS93, Kla97,

KMK<sup>+</sup>20, KMK20, KFK06, KOT<sup>+</sup>20, KEPZ93, KH10, KL13, KRLH14, LCVV06, LCD<sup>+</sup>24, LPA<sup>+</sup>17, LAB<sup>+</sup>17, LWA<sup>+</sup>04, LWSA08, LWAS08, LQF<sup>+</sup>02, LDHO<sup>+</sup>14, LAP<sup>+</sup>17, LL00, LGC<sup>+</sup>12, Lin04, LL14, LS10, LTL<sup>+</sup>23, LRDS18, LBM<sup>+</sup>20, LFC16, LDD<sup>+</sup>97, LCR<sup>+</sup>96, LLT<sup>+</sup>00, MTGY05, MBG18, MGHN01, MMY<sup>+</sup>20, MCK<sup>+</sup>19, MRRG23, MB15, MFB18, MDTS11a, MAN<sup>+</sup>20, MPH<sup>+</sup>05, Mar13, MS99, MLS01, MNN10]. **distribution** [MA05, MBMM<sup>+</sup>99, MGJ<sup>+</sup>18, MHPS19, MV99, MAB<sup>+</sup>01, MBK97, MNB02, MDH16, MOA<sup>+</sup>18, MGGTM19, MB08, MTWH04, NP03, NB10, NMC<sup>+</sup>07, NM18, NED09, NMWH19, NPA<sup>+</sup>22, OM98, OB22b, OPV11, OT10, OJK<sup>+</sup>10, OGJ<sup>+</sup>19, OLP<sup>+</sup>20, PBS06, PHS17a, PPM<sup>+</sup>17, PP95, PTS01, PMF<sup>+</sup>17, PRORSV<sup>+</sup>19, PDA<sup>+</sup>17, PLA<sup>+</sup>17, PGM<sup>+</sup>15, PBN10, PE17, PBD<sup>+</sup>02, PdBK<sup>+</sup>03, PVT<sup>+</sup>21, PZT<sup>+</sup>19, QB02, QSA<sup>+</sup>09, RLD<sup>+</sup>15, RRT<sup>+</sup>17, RMA<sup>+</sup>20, RSWG04, RBP<sup>+</sup>05, RMCAR06, ROL<sup>+</sup>15, RSB<sup>+</sup>15, RNP93, RQM<sup>+</sup>08, SMA<sup>+</sup>17, SVAGRCS04, SKC99, SL06, SWZA02, SH99b, SBD05, SSUB15, SLM<sup>+</sup>20, SRF95, SKW<sup>+</sup>04, SRF09b, SKMDR02, SMV<sup>+</sup>13, SWBKK10, SFH<sup>+</sup>18, SJST13, SWH08, SGM<sup>+</sup>02, SHY<sup>+</sup>08, SB05, SN00, SHKW05, TCG00, TNT<sup>+</sup>15, TMGLM19, TLP<sup>+</sup>12, THT11, TKF16, TKP<sup>+</sup>20, TSB<sup>+</sup>14, TNBL95, UPS04, UGSK<sup>+</sup>20, Uys06, VAM97, VSS<sup>+</sup>93, VVV04b, VSR<sup>+</sup>10]. **distribution** [VGD14, WHF<sup>+</sup>19, WC24, WZZ<sup>+</sup>19, WLZ<sup>+</sup>19, Wat09, WGR<sup>+</sup>95, WMS<sup>+</sup>96, WAL<sup>+</sup>11, WSFB02, WACGH11, WS11, WCS07, Wit00, WYW<sup>+</sup>02, WTL<sup>+</sup>06, WYIT13, WW04b, XAY<sup>+</sup>11, YWI<sup>+</sup>02, YTF02, YCA<sup>+</sup>20, YZZ<sup>+</sup>16, YSMW05, YBRT17, YBC<sup>+</sup>17, YSHS08, YS01, ZHD<sup>+</sup>08, ZFP<sup>+</sup>16, ZWM12, ZNPR09, ZWL<sup>+</sup>22, ZRC<sup>+</sup>11, Zon97, dCHdOF<sup>+</sup>18, dSG09a]. **Distributional** [KCL20, SE07]. **Distributions** [BDW<sup>+</sup>98, BWH<sup>+</sup>17, CMB02, GCS<sup>+</sup>12, GMLB99, HCL<sup>+</sup>22, HCG<sup>+</sup>03, IAA96, LBR<sup>+</sup>11, VAK<sup>+</sup>09, WCL<sup>+</sup>15a, AST<sup>+</sup>05, AS02a, Ano96f, BMCF97, BC05, BTR95, BDW<sup>+</sup>96, BO96, CAS<sup>+</sup>97, CSL<sup>+</sup>07, CLQ<sup>+</sup>18, CHL<sup>+</sup>95, CMB12, DCN<sup>+</sup>02, DK96, DÁSCP02, Duc93, EAF<sup>+</sup>17, FWC<sup>+</sup>95, FWG<sup>+</sup>97, FGH<sup>+</sup>13b, GDE<sup>+</sup>96, GGRW99, GGRW98, HMW<sup>+</sup>15, HLS<sup>+</sup>02, HBC<sup>+</sup>12, HWC07, ISB<sup>+</sup>11, JML08, JLL<sup>+</sup>15, KRGT14, Kos01, LKC96, Lar04, LSM<sup>+</sup>06b, LDG<sup>+</sup>23, LL95, LH08, LSWH07, MAH<sup>+</sup>12, MRB<sup>+</sup>14, MDH08, MDTS11b, MHTZ19, MSV<sup>+</sup>17, MYE<sup>+</sup>02, MS18, Mun14, Mun16, PSHF<sup>+</sup>13, PSUH<sup>+</sup>16, PC98, PBNF<sup>+</sup>16, QW15, RR96, RSB<sup>+</sup>17, RQRVM10, RYT01, SMY<sup>+</sup>98, SHGB95, SvdMC<sup>+</sup>16, SLT<sup>+</sup>11, SAM<sup>+</sup>13, SSSA13, SMS<sup>+</sup>08, SBA18, SCPP05, TLSY11, TBT05, TAB<sup>+</sup>05, VvdLS11, VM01, WYPY06, WOU06, WR01, WSL<sup>+</sup>11, YOK<sup>+</sup>10, YZZ<sup>+</sup>19, YSBH06, ZNM<sup>+</sup>02, dBC<sup>+</sup>09]. **Disturbance** [BBAL<sup>+</sup>20, PGC<sup>+</sup>11, AS01a, AFC<sup>+</sup>17, Blu01, BJSH14, BT98, CTT09, GIPLL<sup>+</sup>14, IARR01, RBA<sup>+</sup>01, RSN01, SNPS01, YLG<sup>+</sup>18, BBS<sup>+</sup>20]. **disturbances** [KGHA<sup>+</sup>01]. **disturbed** [Bor01, Kos01, VT01]. **Diurnal** [FCA04, RWL<sup>+</sup>93, TS93, ZHY<sup>+</sup>13, ZLW<sup>+</sup>19, ALWW04, HF21, JR15, LT16, LPPK14, SSC<sup>+</sup>23]. **Dive** [RSH10, BHB<sup>+</sup>07, CFGR07, KFS<sup>+</sup>17, TCEW07]. **divergence** [LBD<sup>+</sup>02, TdFAL19]. **divergens** [YBC<sup>+</sup>17]. **divergent** [Ben13]. **diverse** [BHSJ16, DFJ18, DSYH09, RMBW07, SPS<sup>+</sup>09, TPW<sup>+</sup>16].

**diversification** [OPDM11]. **diversities** [KFS<sup>+</sup>17]. **Diversity** [BRM18, BBBM04, CBNR<sup>+</sup>09, ESG<sup>+</sup>17, FHR<sup>+</sup>14, Gag04, GBPB<sup>+</sup>13, JJVH18, JT07, JSSW14, KFK06, KH10, LS18, MB07b, MFB18, MLBB14, MTDK98, MFM<sup>+</sup>18, OPDM11, SH11a, SWMB10, WABW02, WS11, BFA<sup>+</sup>08, BPPJ15, BRP<sup>+</sup>13, BSW<sup>+</sup>13, BOJ<sup>+</sup>10, CSM13b, CP18b, CCK<sup>+</sup>16, CBHF10, CG04, CNM17, DCL<sup>+</sup>09, DCC<sup>+</sup>13, DKT<sup>+</sup>01, DHGO23, DVS<sup>+</sup>14, DLB<sup>+</sup>11, EBGCL08, Gol15, Gol18, GKB<sup>+</sup>18, GLSK<sup>+</sup>17, GBSL98, GBLS00, GRB<sup>+</sup>17, HNS<sup>+</sup>11, HEV<sup>+</sup>10, IBK<sup>+</sup>11, JBOH10, KOM17, KY17, KSM<sup>+</sup>11, KSS<sup>+</sup>00b, LTG<sup>+</sup>09, LBSB<sup>+</sup>17, LG98, LCL<sup>+</sup>22, LLM<sup>+</sup>17, MS09, MNN10, MCD<sup>+</sup>09, MMN10, NMN<sup>+</sup>17, NKA<sup>+</sup>11, OvdRvA<sup>+</sup>22, OB22a, OJK<sup>+</sup>10, OBH<sup>+</sup>18, OBKA17, PGC<sup>+</sup>11, PC98, PSAY20, RHL<sup>+</sup>22, RDV<sup>+</sup>09, SCD14, SBB<sup>+</sup>11, SBE<sup>+</sup>07, SBP13, SAW16, SJST13, Thi98, TBPS22, VVM<sup>+</sup>12, VALM17, Vri09, WSSN10, WAP<sup>+</sup>18, Wil98, Wil08, WYIT13, dSG09a]. **Diversity** [SJD<sup>+</sup>11]. **dives** [DFMW13, FMWD07, HCBL<sup>+</sup>17, RSH10]. **Dividing** [PAR<sup>+</sup>08]. **Diving** [WHLR13, BCE<sup>+</sup>07, BHBC08, GBC<sup>+</sup>13, RAT<sup>+</sup>13, RCM<sup>+</sup>17, RCKCK07, SMA<sup>+</sup>17, TMH<sup>+</sup>08, YKN07]. **Division** [KNV<sup>+</sup>10, NMR10, FVSRR14, HCWH00]. **DMS** [BMML06, BBM<sup>+</sup>08, DNM<sup>+</sup>16, LSM<sup>+</sup>06b, MLS<sup>+</sup>06, NHS<sup>+</sup>09, TLP<sup>+</sup>12, WB01, ZFA<sup>+</sup>02]. **DMSO** [Hat02a]. **DMSP** [SMGB03, ASH<sup>+</sup>11, BBM<sup>+</sup>08, DNM<sup>+</sup>16, Hat02a, LSM<sup>+</sup>06b, LLK<sup>+</sup>09, MLS<sup>+</sup>06, MBK97, OFD<sup>+</sup>22, SMGB02, ZFA<sup>+</sup>02]. **DNA** [ANL13, BFK<sup>+</sup>14, BHK<sup>+</sup>10, BOJ<sup>+</sup>10, CTW<sup>+</sup>20, EP18, HNS<sup>+</sup>11, JBOH10, LEP14, LCL<sup>+</sup>22, NLY<sup>+</sup>13, OBPY10, PfdSG11, PDY20, WBCB06]. **DNA-based** [ANL13, CTW<sup>+</sup>20]. **Do** [Ano05e, BCBB12, BU05, GFCS04, SMH<sup>+</sup>06, BY09, RLG07, RCKCK07, SLDL93, XZM<sup>+</sup>23]. **DOC** [LCE<sup>+</sup>23, Avr02, BDWG02, LRGH<sup>+</sup>05, ME02, SNS10, VS10]. **dockside** [DCD<sup>+</sup>14]. **documentation** [FSG02]. **Documenting** [FNS20, GLK<sup>+</sup>06a]. **Does** [BBR<sup>+</sup>18, HPS<sup>+</sup>13, PWR05, SLD<sup>+</sup>13, LLD<sup>+</sup>17, LPD<sup>+</sup>17, SFR<sup>+</sup>06, WTT<sup>+</sup>20]. **Dolichobdella** [UC13]. **dolomite** [WOM<sup>+</sup>16]. **dolphin** [PWL07, PJLO<sup>+</sup>17, RAT<sup>+</sup>13]. **dolphinfish** [BHS<sup>+</sup>17, TMGLM19]. **dolphins** [CV17, DONF08, KG20]. **DOM** [NTS<sup>+</sup>11]. **domain** [KBL01, MDK<sup>+</sup>01, HSSN08, Mac08, MSMS08]. **domains** [DSW20, FWZM12, FZW<sup>+</sup>13, MSGO18]. **domal** [GTB15]. **dome** [CS19, LPJ<sup>+</sup>19]. **Dominance** [CdST<sup>+</sup>17, MBP<sup>+</sup>20, MTD<sup>+</sup>18]. **dominant** [BT03, EGMB13, Gol18, MWK<sup>+</sup>20, RQM<sup>+</sup>08, SKMDR02, TSP<sup>+</sup>18]. **dominate** [DBR22]. **dominated** [BG94, BSCR11, LRR<sup>+</sup>04, LDSV98, PTD<sup>+</sup>17, PCB<sup>+</sup>17, TBC<sup>+</sup>17, WTZ02]. **dominating** [ELG<sup>+</sup>22a, ELG<sup>+</sup>22b]. **Donald** [Goe02]. **Doppler** [BMM<sup>+</sup>99, HVBO08]. **dormancy** [ODCP98]. **dormant** [JPC06]. **dorvilleid** [LZM<sup>+</sup>13]. **Dorvilleidae** [AP22, VHM17]. **doses** [CWWB04]. **Dosidicus** [FEB<sup>+</sup>13, NA13, Sei13, SFMG13, SGFP13, TS13]. **Dotson** [MLW<sup>+</sup>16]. **dovekies** [KH02]. **DOVETAIL** [MH02]. **down** [EMG<sup>+</sup>15, HPS<sup>+</sup>11, LWO<sup>+</sup>09, NGS<sup>+</sup>15, SFZ<sup>+</sup>13, YWI<sup>+</sup>02]. **downscaled** [PCH<sup>+</sup>22]. **downscaling** [CHH<sup>+</sup>21, HKC<sup>+</sup>21]. **downstream** [JBVW12].

**Downward** [GHIM04, ZD97, CCP<sup>+18</sup>, HdMR<sup>+99</sup>, IOK03, KSU<sup>+08</sup>, LSdC<sup>+10</sup>, PIP<sup>+02</sup>, RSR<sup>+00</sup>, TMP<sup>+19</sup>, TRWB99]. **Dr** [RAB<sup>+17</sup>]. **Dr.** [Ano06a, HWWM19, HBC<sup>+22</sup>, MLB<sup>+10</sup>, MTD<sup>+09</sup>]. **draft** [HVBO08]. **Drag** [JS14]. **Drake** [FGH<sup>+13b</sup>, vdLCS<sup>+11</sup>, BPRS11, BCH<sup>+19</sup>, ECD<sup>+17</sup>, FGH<sup>+13a</sup>, GARVK04, HMS<sup>+13</sup>, HSH<sup>+13</sup>, JCM<sup>+13</sup>, MRB<sup>+14</sup>, MBS<sup>+13</sup>, MLS<sup>+15</sup>, PRB<sup>+11</sup>, RPS<sup>+11</sup>, SAM<sup>+13</sup>, SGP<sup>+11</sup>, VvdLS11, ZZM<sup>+13</sup>]. **drawdown** [BWL01, DVPR06]. **dredged** [BMOW09]. **Drift** [HB03, TLW<sup>+94</sup>, CMK<sup>+18</sup>, GMCR18, HHW<sup>+08</sup>, HSH<sup>+08</sup>, Hen19, JWS01, KHL<sup>+15</sup>]. **Drifter** [BLO04, HRT14, MC06, STP<sup>+16</sup>]. **drifters** [AL98, BTRL99, DBG<sup>+16</sup>, HRSJ23, KLM13, NLHB01, Ric05, SLP<sup>+09</sup>]. **Drifting** [SSH<sup>+11</sup>, ETDB11, HKSJ11, HSM11, HP08, KRS<sup>+11</sup>, LRH<sup>+11</sup>, LMLC<sup>+17</sup>, MRE<sup>+11</sup>, MYN<sup>+96</sup>, OLP<sup>+20</sup>, PFW<sup>+09</sup>, RVS11, REWH11, SLS<sup>+07</sup>, SRH<sup>+11</sup>, SRB<sup>+11</sup>, SHM<sup>+11</sup>, SSS<sup>+11</sup>, Smi11, VSC<sup>+11</sup>]. **drill** [JBJ17, JBD<sup>+09</sup>]. **Drilling** [Ano07d, CTT09, DPK<sup>+14</sup>, DKP<sup>+14</sup>, GBB<sup>+17</sup>, NLDJ14, NGF09, PDK<sup>+14</sup>, PFC09, PSP<sup>+09</sup>, PFAZL09, SLS<sup>+09</sup>, TZ09]. **drive** [LLD<sup>+17</sup>, LPD<sup>+17</sup>]. **driven** [BMRP02, DBD03, KL13, LLR<sup>+06</sup>, LG09, LDG<sup>+23</sup>, LWSZ13, LPM<sup>+19</sup>, LAT<sup>+18</sup>, MBNB<sup>+08</sup>, MSF<sup>+22</sup>, NR00, OIJ<sup>+19</sup>, RG93, SDT<sup>+17</sup>, WCL22, ZPG14]. **Drivers** [ADRS19, JRJ<sup>+22</sup>, AZK<sup>+20</sup>, AAL<sup>+17</sup>, CD20, DCC<sup>+13</sup>, DCSV19, EFR<sup>+19</sup>, GDAMS19, KCMT<sup>+20</sup>, LRDS18, SLdB<sup>+15</sup>, SNFK20, SFH<sup>+18</sup>]. **driving** [MSM<sup>+02</sup>, PPA10]. **droplet** [LAPL<sup>+16</sup>]. **Drygalski** [VT09]. **DSi** [RdGM<sup>+09</sup>]. **DSV** [RSH10]. **dual** [SHL<sup>+11</sup>]. **dual-tracer** [SHL<sup>+11</sup>]. **due** [CV17, EGG<sup>+05</sup>, EBDL08, JZ01, MLP<sup>+10</sup>, SMB03, WSP19]. **dump** [KPPL00]. **dumped** [BKS<sup>+16</sup>, EB16]. **dumping** [KGB16]. **dumpsites** [BSE<sup>+16</sup>]. **duration** [ROC<sup>+21</sup>, SD06b]. **during** [AST<sup>+05</sup>, APL<sup>+23</sup>, ATJ05, Ald95, ÁRR02, AAMF<sup>+02</sup>, ACFS02, Ano95b, AKK<sup>+17</sup>, ANI09, ASN<sup>+02</sup>, AGN<sup>+02</sup>, ABS<sup>+14</sup>, ADAM02, ASFI02, ARW<sup>+04</sup>, AGP05, ACG<sup>+17</sup>, BSM01a, BSMV03, BCI02, BCH<sup>+96</sup>, BRG<sup>+19</sup>, BDB97, BSL<sup>+96</sup>, BMB<sup>+01</sup>, BMGF93, BMCF97, BPRS11, BBL<sup>+13</sup>, BC03, BLO04, Bec97, BS01, BTR95, BDM<sup>+03</sup>, BSL08a, BCH<sup>+11</sup>, BCDV02, BA02, BZMC20, BMF<sup>+01</sup>, BGDT11, BLO<sup>+17</sup>, BRSIW95, BGH99, BA01, BGS<sup>+08</sup>, BND<sup>+04</sup>, BRPI02, BY09, BLB<sup>+99</sup>, BL01b, BLC<sup>+02</sup>, BMT20, BAH<sup>+95</sup>, CAMA<sup>+02</sup>, CRD01, CAS<sup>+16</sup>, CW22, COS<sup>+16</sup>, CTBNL08, CD99, CRDP02, CRF04, CAFK03a, CRP<sup>+05</sup>, CMG<sup>+12</sup>, CLSS15, CWB02, CP22, CMAO<sup>+12</sup>, CGR<sup>+96</sup>, CWEHT22, CDA98, CFKS05, CFS09, CRM<sup>+16</sup>, CBJ<sup>+23</sup>, CCC<sup>+23</sup>, CSS<sup>+22a</sup>, CPEN08, CMRL11, DMJ93, DD95, DNM<sup>+16</sup>, DRD06, DPS<sup>+14</sup>, DSO<sup>+97</sup>, DKN<sup>+97</sup>, DC00, DCM<sup>+99</sup>, DB97a, DDL06, DSN<sup>+20</sup>, DO01, DOB<sup>+01</sup>, DLL<sup>+15</sup>, DZ08, DSvR<sup>+18</sup>]. **during** [DTP<sup>+05</sup>, DI00, Dri09, DKQ<sup>+93</sup>, DQC95, DC06, EBS99, EBB<sup>+08</sup>, EHK09, EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, FPLB<sup>+08</sup>, FLTV04, FLM10, FHAH16, FLTV97, FWC<sup>+95</sup>, FWG<sup>+97</sup>, FMO02, FWP<sup>+07</sup>, Fig02, FSP<sup>+16</sup>, Fir96, FK98, FSK<sup>+05</sup>, FS02, FG97, FMH<sup>+02</sup>, GMK<sup>+08</sup>, GBH<sup>+01</sup>, GSMB01, GEP<sup>+16</sup>, GCR<sup>+02</sup>, GWR93, GGH98, GG93, GSB<sup>+23</sup>, GdRGH<sup>+14</sup>, GGLP02, GHIM04, GBC<sup>+05</sup>, GHM<sup>+12</sup>, GJC98, Gra09, GBI10, GCB04, GMMS05, HNW<sup>+08</sup>, Had11, HdVGHM02, HBSL01, HS96, HOD<sup>+09</sup>, HSS<sup>+12</sup>,

HVWH09, HTS<sup>+09</sup>, HDD<sup>+11</sup>, HMS<sup>+13</sup>, HMW<sup>+15</sup>, HML99, HZL<sup>+12</sup>,  
 HMH<sup>+02</sup>, HAGW<sup>+13</sup>, HMAW11, HKN<sup>+04</sup>, HAP03, HDCM95, HKP10,  
 HSK<sup>+00</sup>, HHP04, HXC<sup>+22</sup>, Hus16, HKY<sup>+16</sup>, IGN<sup>+10</sup>, IOTS16, IF95,  
 IHSS<sup>+10</sup>, IHI<sup>+97</sup>, ITMG18, IPH<sup>+17</sup>, Jac95b, JLR<sup>+13</sup>, JWS01, JR04,  
 JFK<sup>+10</sup>, JTDG13, Joy16, JH04, KF95, KBLA97, KB99, KJL<sup>+17</sup>, KGE<sup>+04</sup>,  
 KSH<sup>+09</sup>, KWN<sup>+09</sup>, KT05, KRF01, Kem94, KFF<sup>+94</sup>]. **during**  
 [KSH12, KMM<sup>+08</sup>, KYI10a, KYI10b, KYKJ16, KUN10, KT02, KIM08,  
 KLD21, KDG<sup>+97</sup>, KC04, KNC<sup>+09</sup>, KCL20, KRG<sup>+01</sup>, KHE<sup>+11</sup>, KND<sup>+08</sup>,  
 LWO<sup>+09</sup>, LUV99, LDV<sup>+02</sup>, LBL08, LCK95, LBC<sup>+98</sup>, LCvdM<sup>+16</sup>, LB98a,  
 LJHAA19, LCS<sup>+06</sup>, LSS<sup>+11</sup>, LMG93, LSM<sup>+06b</sup>, LTW<sup>+11</sup>, LDHI93, LL95,  
 LDGH16, LCL<sup>+98</sup>, LLK<sup>+09</sup>, LDFS93, LAF<sup>+02</sup>, LBB<sup>+06</sup>, LLK05, LSS<sup>+07</sup>,  
 LAT<sup>+18</sup>, MGHN01, MGR<sup>+03a</sup>, MBHP99, MB15, MMHB98, MSF<sup>+22</sup>, MT15,  
 MSK<sup>+06</sup>, MJW<sup>+06</sup>, MSJ<sup>+06</sup>, MFG<sup>+93</sup>, MPH<sup>+05</sup>, MDSA19, MWK<sup>+20</sup>,  
 MGNB96, MGN99, McP08, MJG<sup>+13</sup>, MNG<sup>+11</sup>, MGH<sup>+16</sup>, MAB<sup>+01</sup>,  
 MLS<sup>+06</sup>, MBK97, MSS15, MAA<sup>+04</sup>, MAA<sup>+05</sup>, MSH<sup>+07</sup>, MHP<sup>+07</sup>,  
 MGG<sup>+09</sup>, MCG<sup>+98</sup>, MCS<sup>+99</sup>, MGC<sup>+01</sup>, MMG98, NOT<sup>+09</sup>, NKF<sup>+10</sup>,  
 NMK<sup>+20</sup>, NMW<sup>+09</sup>, NKD<sup>+08</sup>, NKK<sup>+00</sup>, NLS<sup>+10</sup>, NTH10, NTK<sup>+09</sup>,  
 NKB95, NED09, OVKN11, OCL<sup>+08</sup>, ONSSVGR04, OE06, OYM<sup>+13</sup>,  
 OTA<sup>+05</sup>, OTOH05, OSCS00, OTH05, OT12, PAM<sup>+04</sup>, PF04a]. **during**  
 [PF04b, PIP<sup>+02</sup>, PLRV22, PPRL02, PWD<sup>+11</sup>, PDA<sup>+20</sup>, PMJW10, PPZ93,  
 PNH<sup>+00</sup>, PAVGBG02, Pee97, PHS<sup>+11a</sup>, PMLM<sup>+02</sup>, PTD<sup>+14</sup>, PCY<sup>+13</sup>,  
 PWJF20, PFW<sup>+20</sup>, PSS<sup>+16</sup>, PCAS05, PPF<sup>+15</sup>, PJ99, PPL<sup>+07</sup>, PSP<sup>+09</sup>,  
 PS05, PLHMA06, PP20, Qua97, QTPS97, QB02, RR96, RSR05, RA98,  
 RGH<sup>+24</sup>, RWR<sup>+02</sup>, RMD<sup>+12</sup>, RBP<sup>+05</sup>, RCF<sup>+08</sup>, RLPF07, RSF<sup>+99</sup>,  
 RWRS08, RHB<sup>+95</sup>, RMC<sup>+93</sup>, RIBW99, RWZ<sup>+02</sup>, RMP1<sup>+17</sup>, RDG<sup>+95</sup>,  
 RFB97, SLC<sup>+20</sup>, SCM<sup>+02</sup>, STN<sup>+06</sup>, STN<sup>+09</sup>, SRS<sup>+20</sup>, SIA<sup>+05</sup>, SMB<sup>+93</sup>,  
 Sam01, SMZ<sup>+08</sup>, SVJRSON04, SVAGRCS04, SCGDU09, SPSM23, SVC<sup>+08</sup>,  
 SD06a, STF09, SF10, STJ<sup>+08</sup>, SvdMC<sup>+16</sup>, SMS01, SSHM<sup>+08</sup>, SRY04,  
 SBBP<sup>+15</sup>, Sco05, SSUB15, SLMP07, SLA<sup>+01</sup>, SRC98, SOS01, SZH<sup>+04</sup>,  
 SNPS01, SSW05, SSR13, SMP<sup>+15</sup>, SMBM00, SGJ<sup>+20</sup>, SKW<sup>+04</sup>, SVS93,  
 SSE<sup>+14</sup>, SC16, SZV<sup>+19</sup>, SDB<sup>+97</sup>, SSLA95, SHL<sup>+11</sup>, SMH<sup>+11</sup>, SWH08,  
 SDMS06, SBE<sup>+99</sup>]. **during**  
 [Ste13, SWLW11, SBA18, SLP<sup>+17</sup>, SFB16, SNW08, SKF<sup>+10</sup>, SKMS08,  
 SLB13b, SMLS02, SSI<sup>+09</sup>, SKH10b, TYBY06, TBEW99, TCG00, TFR<sup>+10</sup>,  
 TLK<sup>+02</sup>, TPS<sup>+15</sup>, TA01, TBB<sup>+08</sup>, TSN<sup>+06</sup>, TDKA05, UWvdE<sup>+16</sup>, VJP<sup>+10</sup>,  
 VPK<sup>+19</sup>, VSS<sup>+93</sup>, VNBW18, VPS97, VMF<sup>+16</sup>, WLP<sup>+09</sup>, WAPL95, WH98,  
 WSE<sup>+16</sup>, WKM<sup>+07a</sup>, WCMB06, WT14, WL20, WLY<sup>+22</sup>, WFA<sup>+95</sup>, WGB<sup>+04</sup>,  
 WO99, WGR<sup>+95</sup>, WSLP10, WJR<sup>+16</sup>, Wei99, WBJ<sup>+98</sup>, WFR<sup>+02</sup>, WPJW96,  
 WPAP01, WZW<sup>+95</sup>, WPW95, WABW02, WLD<sup>+06</sup>, Wir94, WRBS10,  
 WWN<sup>+02</sup>, WTL<sup>+06</sup>, WJS<sup>+06</sup>, WLC99, WMA11, WSL<sup>+11</sup>, Yal01, YOK<sup>+10</sup>,  
 YOO<sup>+10</sup>, YK16, YNG<sup>+16</sup>, YMC<sup>+22</sup>, YCA<sup>+20</sup>, YZZ<sup>+16</sup>, YOI<sup>+09</sup>, YKJ<sup>+15</sup>,  
 Zel01, ZDWR95, ZZZ<sup>+16</sup>, ZP04, ZA16, ZDBG05, ZG15, dBC<sup>+09</sup>, dSEDW11,  
 dSSB<sup>+01</sup>, vAvVV<sup>+03</sup>, vC97, vGTG<sup>+00</sup>, vHHH<sup>+11</sup>, vdLCS<sup>+11</sup>, vdMLB<sup>+11</sup>].  
**dust** [DLF<sup>+09b</sup>, GMC97, HZK<sup>+05</sup>, PMLM<sup>+02</sup>, SBD05, TP99, TPGCCS<sup>+02</sup>,

VM01]. **dweller** [DCA<sup>+98</sup>]. **dwelling** [BMS<sup>+18</sup>, DSD12, JAP<sup>+13</sup>]. **DWH** [HSB<sup>+16</sup>, QNL<sup>+16</sup>, YSWJ16]. **DYFAMED** [Avr02, BGG<sup>+09</sup>, GG02, Mar02, MCPA02, MC02, BCM02, CMB02]. **DYFAMED-BENTHOS** [GG02]. **DynaLiFe** [AA12]. **Dynamic** [JBVW12, NESB<sup>+15</sup>, RHL<sup>+22</sup>, AA12, AM07, BLH05, CWE<sup>+17</sup>, DDS11, GGC19, HYMD11, KG20, LBB11, NSH<sup>+10</sup>, TWA<sup>+12</sup>, TCG<sup>+18</sup>, WZW<sup>+22</sup>]. **Dynamical** [Gol93, CHH<sup>+21</sup>]. **Dynamically** [PCH<sup>+22</sup>, HKC<sup>+21</sup>]. **Dynamics** [ASN<sup>+02</sup>, BCO<sup>+96</sup>, BLB<sup>+02</sup>, CH19, GTTKB14, GSF<sup>+19</sup>, GSF<sup>+20</sup>, HWCT04, KIY<sup>+05</sup>, MWB<sup>+09</sup>, NMK<sup>+20</sup>, PTP09, PWJF20, SNIT02, TŠŠ<sup>+19</sup>, TFR<sup>+10</sup>, UWTS09, WBML06, XGL15, YOI<sup>+09</sup>, YH10, APMN<sup>+17</sup>, ADRS19, ASK<sup>+05</sup>, AJG<sup>+10</sup>, AMP<sup>+03</sup>, Avr02, BSG<sup>+11</sup>, BS03, BH19a, BTFB12, BMG<sup>+04</sup>, BGG<sup>+09</sup>, BH99b, BFF<sup>+10</sup>, Bre93, BM07, BFK<sup>+14</sup>, BLB<sup>+99</sup>, BLC<sup>+02</sup>, BTUV08, BNFS01, BBD<sup>+03</sup>, BAD<sup>+14</sup>, CDS96, CHPS00, CSH<sup>+13</sup>, CPH01, DD95, DHW98, Di 03, DLL<sup>+15</sup>, DK96, DQC14, DWJ<sup>+15</sup>, DOC01, DLB02, DKQ<sup>+93</sup>, DQC95, ESAG10, EMW<sup>+08</sup>, FMS08, FHYI03, GOD<sup>+01</sup>, GLF<sup>+03</sup>, GMM<sup>+20</sup>, GGM<sup>+16</sup>, HT01, HTTS12, HVWH09, HCAK17, HWCT08, HH05, HCRX16, HAM<sup>+15</sup>, HZL94, HBO11, JCF<sup>+06a</sup>, JCF<sup>+06b</sup>, JLR<sup>+13</sup>, JMM<sup>+13</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, KMMS18, KYI10b, KMO09, KND<sup>+08</sup>, LSB<sup>+02</sup>, LBR<sup>+08</sup>, LSM<sup>+06b</sup>, LPM<sup>+19</sup>, LTS<sup>+97</sup>, LH15, LL13, LPPK14, MTGY05, MBNB<sup>+08</sup>, MPV<sup>+11</sup>, MLH14]. **dynamics** [MCPA02, MGN99, MLG<sup>+02</sup>, MLS<sup>+06</sup>, MWT<sup>+17</sup>, MMJ<sup>+03</sup>, MWFS17, NMH<sup>+06</sup>, NKD<sup>+08</sup>, NCE<sup>+23</sup>, NKB95, OC00, OPB15, PF04a, PF04b, PLRV22, PLT<sup>+13</sup>, PVK<sup>+20</sup>, PWH05, PPT<sup>+10</sup>, PLPS98, PPL<sup>+07</sup>, PABH07, PMG<sup>+22</sup>, QTPS97, RTB02, ROPB03, RGH<sup>+24</sup>, RLVF02, RBN<sup>+08</sup>, RG93, SRHP23, STK02, STN<sup>+06</sup>, SNS10, SVB<sup>+19</sup>, SF10, SVR<sup>+00</sup>, SH99a, SLA<sup>+01</sup>, SLT<sup>+11</sup>, SLHS20, SPEPS18, Sig17, SDMC03, SBC17, SGD14b, SAM<sup>+12</sup>, SGP<sup>+02</sup>, SKF<sup>+10</sup>, TSZ10, TAB<sup>+02</sup>, TKF07, UKM16, VPA<sup>+20</sup>, VJF23, VS10, VSC<sup>+11</sup>, VSR<sup>+00</sup>, WAPL95, WMW<sup>+20</sup>, WGR<sup>+97</sup>, WCC05, WT12, WTZ02, WZ03, WJS<sup>+06</sup>, WTWC07, WPL<sup>+15</sup>, WC09, WSP19, WZ14, YK05, Ynd09, ZCG<sup>+12</sup>, ZS19, vGTG<sup>+00</sup>, vWDB<sup>+01</sup>].

**E-** [PMJW10]. **E-80°** [SKH10b]. **E-Flux** [BNM08, KND<sup>+08</sup>, NKD<sup>+08</sup>]. **E-Weddell** [JR11]. **E.** [SLC<sup>+15</sup>]. **Early** [ASMH08, DM16b, DSC<sup>+19</sup>, GP16, HMB<sup>+96</sup>, MHB<sup>+95</sup>, PLdL97, PTD<sup>+17</sup>, PCB<sup>+17</sup>, SBZ<sup>+03</sup>, SAVP12, SDB<sup>+19</sup>, TBC<sup>+17</sup>, WWB04, ADAM02, BGIJ<sup>+06</sup>, Bec97, BTR95, BZS<sup>+16</sup>, DDAH<sup>+14</sup>, DSO<sup>+97</sup>, DKN<sup>+97</sup>, EGL<sup>+16</sup>, FSCC07, FWP<sup>+07</sup>, FWM<sup>+11</sup>, HHW<sup>+08</sup>, HiI<sup>+19</sup>, HiII<sup>+20</sup>, HPH<sup>+16</sup>, JGM09, KKT16, LWO<sup>+09</sup>, McP08, MDH16, OVKN11, OG11, OB22b, OSHB07, PMM<sup>+16</sup>, Row13, RGIH<sup>+06</sup>, SRS<sup>+20</sup>, SZV<sup>+19</sup>, SSSA13, SSR<sup>+14</sup>, SWH08, SMLS02, UKJ<sup>+20</sup>, WLC99, ZA16]. **early-diagenetic** [FSCC07]. **earth** [CVA<sup>+13</sup>, FSCC07, HOD<sup>+09</sup>, Pal19, PPR07, VOK<sup>+24</sup>, ZLJ08, BHHM<sup>+12</sup>]. **earthquakes** [GPÇ18]. **EASIZ** [CA06b]. **East** [Ano14, ADGA06, DBDT03, EBG<sup>+11</sup>, GZGH22, GAHD<sup>+17</sup>, HZZ10, LXWC21, LSC02, MBS05, PBO<sup>+11</sup>, PDBH03, PDY20, Sco05, SSK<sup>+05</sup>, SSK<sup>+07</sup>,

VSGM03a, WYW<sup>+02</sup>, YKSI19, YH10, ZBC<sup>+13</sup>, ZGGF22, ADE22, BW04, CW22, CWFP94, EHL02, FKH05, Gol15, HHMF11, KWH<sup>+05</sup>, LWSZ13, MLH<sup>+22</sup>, NLDJ14, NHD11, OB22a, OB22b, PLL<sup>+06</sup>, PBN10, SRHP23, SZV<sup>+19</sup>, TBW<sup>+11</sup>, AIW03, ADGA05, BSL11, CSGC03a, CLC<sup>+03</sup>, CC03, CSGC03b, CLL<sup>+03</sup>, CCC<sup>+03</sup>, CMC11, DLG<sup>+14</sup>, DBD03, DBL<sup>+05</sup>, FPHH<sup>+09</sup>, FB05, FHYI03, GWZ16, GR10, GWWL03, GKB19, GMC<sup>+12</sup>, GZZC10, HCL<sup>+22</sup>, HB03, HBBD03, HDD<sup>+11</sup>, HLZY10, HMAW11, HSR<sup>+16</sup>, HZK<sup>+05</sup>, HZK04, HH05, HGM<sup>+11</sup>, HTM<sup>+03</sup>, HSK<sup>+00</sup>, HZN<sup>+16</sup>, HZWW16, HLL<sup>+09</sup>, HCG<sup>+03</sup>, IOK03, JKK<sup>+10</sup>, JSM<sup>+16</sup>, JCP17, JKP<sup>+17</sup>, JFK<sup>+10</sup>, JSP<sup>+17</sup>, JRK<sup>+17</sup>, KIIW03, KM05b, KJL<sup>+17</sup>, KLL03, KFJ<sup>+05</sup>, KKK<sup>+17</sup>, KHL<sup>+17</sup>, KHH<sup>+17</sup>, LT16, LC03, LN05, aLCS15, LKLK17, LJL<sup>+17</sup>, LAP<sup>+17</sup>, LZC<sup>+16</sup>]. **East** [LWL<sup>+16</sup>, LHZ<sup>+16</sup>, LPSS03, LCL<sup>+10</sup>, MDJS11, MW99, MNG<sup>+11</sup>, MGH<sup>+16</sup>, MW05b, MS12, MSNL09, MMG98, NLSL09, NMW<sup>+09</sup>, NPBS00, NKK<sup>+00</sup>, NVK<sup>+04</sup>, NCR<sup>+08</sup>, OVKN11, OUK03, OMY<sup>+03</sup>, OT03, PW05, PK13, PKHH17, PNH<sup>+00</sup>, PDT<sup>+10</sup>, PRJW05, PZL<sup>+09</sup>, RZL<sup>+10</sup>, RZS<sup>+16</sup>, RJ05, RCM<sup>+17</sup>, RCF<sup>+16</sup>, SMV<sup>+03</sup>, SvdMC<sup>+16</sup>, SHD<sup>+14</sup>, SSY<sup>+05</sup>, SLS<sup>+10</sup>, SFV<sup>+98</sup>, SGC03, SHH03, SVKT20, SLZ<sup>+16</sup>, SHW<sup>+16</sup>, SGW<sup>+00</sup>, Sum19, SYB<sup>+11</sup>, SRS11, STS11, Tan03, TSZ10, TMT<sup>+11</sup>, TML<sup>+16</sup>, TKF16, TIKS03, UWvdE<sup>+16</sup>, VSGM03b, VMF<sup>+16</sup>, WSE<sup>+16</sup>, WL20, WvdEM00, WNRM08, WMP<sup>+11</sup>, WWW<sup>+02</sup>, WZ03, WP17, WSL<sup>+11</sup>, WvdE00, WLH<sup>+16</sup>, XSM<sup>+19</sup>, YKS03, YZZ<sup>+16</sup>, YK04, YKSI19, YAOW05, YCYK10, YHC<sup>+11</sup>, ZHX<sup>+16</sup>, ZSKL19, ZXLL10, ZZZ<sup>+16</sup>, vdMLB<sup>+11</sup>]. **East/Japan** [SSK<sup>+05</sup>, SSK<sup>+07</sup>, JCP17, JKP<sup>+17</sup>, JSP<sup>+17</sup>, KJL<sup>+17</sup>, KHL<sup>+17</sup>, KHH<sup>+17</sup>, LJL<sup>+17</sup>, PKHH17, WP17, YCYK10]. **Easter** [ESG<sup>+17</sup>]. **easterly** [RMCAR06]. **Eastern** [HCS05, PZT<sup>+19</sup>, SHKW05, ADV<sup>+01</sup>, ASF<sup>+16</sup>, ACG19, BN05, BH14, BFD<sup>+23</sup>, BC05, BDW<sup>+98</sup>, BMK<sup>+13</sup>, BSW<sup>+13</sup>, BHS<sup>+17</sup>, BOKA16, CAS<sup>+16</sup>, CTBNL08, CLC<sup>+20</sup>, CBS<sup>+96</sup>, CWWB04, CMG<sup>+12</sup>, CCM<sup>+20</sup>, Cok16, CPEN08, CMB12, DMFD19, DMFB19, Dan95, DN97, DABMAMA04, DDAH<sup>+14</sup>, DC12, DO19, DLR11, DG18, DKQ<sup>+93</sup>, DABF<sup>+16</sup>, ENM<sup>+14</sup>, ENM<sup>+16</sup>, EGL<sup>+16</sup>, FBS94, FHAH16, FWG<sup>+97</sup>, FCAD04, FWZM12, FZW<sup>+13</sup>, Fro04, FPB04, FSGV<sup>+09</sup>, GDAMS19, GP15, GP16, GPBV<sup>+07</sup>, GFW07, HPWP07, HPL<sup>+12</sup>, HSFN13, HYMD11, HWS<sup>+98b</sup>, HTW14, HZW<sup>+23</sup>, HRG<sup>+16</sup>, IGP<sup>+06</sup>, JCP05, KK19, KWA<sup>+20</sup>, KFF<sup>+94</sup>, KRGT14, KL13, KNB11, KWH<sup>+05</sup>, KRLH14, LCD<sup>+24</sup>, LPD<sup>+17</sup>, LAÁ<sup>+14</sup>, LHD<sup>+22</sup>, LSU04, LZZ<sup>+16</sup>, MCK<sup>+19</sup>, MPH<sup>+05</sup>, MLH14, MTK05, MLR07, MBD<sup>+17</sup>, MRC05, MF09, MGC<sup>+14</sup>, MLK<sup>+12</sup>, MKKF18, MCL<sup>+12</sup>, MBC<sup>+20</sup>, MSG<sup>+00</sup>, MBO07, NHCL14, NL11, NBCT13, NBBBT13, OFD<sup>+22</sup>]. **eastern** [OAH<sup>+16</sup>, Pak04, PF04a, PF04b, PCDM11, PSHF<sup>+13</sup>, PKA95, PSK<sup>+00b</sup>, PE17, PS05, PAUB19, PKZ<sup>+19</sup>, RAF<sup>+11</sup>, RHPC<sup>+19</sup>, RSRL00, STN<sup>+06</sup>, SBM16, SH00, Sch07, SF99, SDB<sup>+19</sup>, SSE<sup>+14</sup>, SSM<sup>+00</sup>, SMBL19, SSR96, SKGD14, SGL99, SFK<sup>+12</sup>, SMS20, SL12, SFB16, SLS11, SKM<sup>+14b</sup>, JMP<sup>+19</sup>, SJJ19, SB22, SAB08, TLSY11, Thi05, TPW07, TIS<sup>+13</sup>, TRB<sup>+19</sup>, UP09, Uys06, VJF23, VKG93, VCDAL14, VT01, WGR<sup>+97</sup>, WW04a, WFA<sup>+95</sup>, WBD17, WCS07, WW04b, YCA<sup>+20</sup>, YSMW05, YHC<sup>+11</sup>, Zim19,

vRPD<sup>+18</sup>, ATD<sup>+11</sup>, AKZL16, AAG19, BHS<sup>+19</sup>, BMRTL93, Bre93, Car01, CK03, CFV<sup>+18</sup>, CCL<sup>+14</sup>, CCS<sup>+16</sup>, CHH<sup>+21</sup>, CBPT05, DBN<sup>+11</sup>, DKZP16, EFR<sup>+19</sup>, FL04, FSK<sup>+05</sup>, FDC<sup>+18</sup>, GSdAMNMM04, GNHS05, ID19, KK20, KMSM11, KHGL<sup>+02</sup>, KTP<sup>+05b</sup>, KTB<sup>+05</sup>, LCH<sup>+09</sup>, LS12, LAW<sup>+05</sup>, Lin16, LLS<sup>+19</sup>, LGR<sup>+14</sup>, LMC<sup>+12</sup>, MGS<sup>+10</sup>, MFE<sup>+02</sup>, MSA<sup>+14</sup>]. **Eastern** [PAM<sup>+04</sup>, PPR<sup>+20a</sup>, PWR05, PHD<sup>+18</sup>, PST<sup>+05</sup>, PZK<sup>+05</sup>, RSR<sup>+19</sup>, RPF01, RG93, SSMC10, SFV<sup>+01</sup>, SLM<sup>+20</sup>, STD<sup>+20</sup>, ST07, SMPSD04, SDK<sup>+16</sup>, SWSL14, SWG14, TCG<sup>+18</sup>, TGLN93, TMP<sup>+19</sup>, TCG00, VPA<sup>+20</sup>, VGZ<sup>+19</sup>, VPK<sup>+19</sup>, VCG<sup>+20</sup>, WSL07, WSB13, ZFP<sup>+16</sup>, ZHK<sup>+05</sup>]. **Eastern-most** [EFR<sup>+19</sup>]. **eat** [PM10]. **eating** [ALSF<sup>+17</sup>]. **ebridian** [TSOT16]. **ebridians** [OTN16]. **eccentricity** [LW15]. **Echinoderes** [AM22a]. **echinoderm** [Car10]. **Echinodermata** [GRB<sup>+17</sup>, HDR<sup>+11</sup>, MP17, MCLP04, PP13, SN00, TY98]. **echinoderms** [LK98, MMDS18, OPDM11, RHM13, WGST08]. **echinoid** [MMD15]. **Echinoidea** [HDR<sup>+11</sup>, MCLP04, PP13, TY98]. **echinoids** [DFD<sup>+11</sup>, PP13]. **Echinothurioid** [MCLP04]. **Echinus** [TY98]. **Echiura** [MA18b]. **echo** [LMLC<sup>+17</sup>]. **echo-sounder** [LMLC<sup>+17</sup>]. **echolocation** [ATM<sup>+07</sup>]. **echosounder** [CWD<sup>+10</sup>, DBBWH20]. **Eckström** [JR11]. **eco** [CDM23, MBMGK08, PBB<sup>+13</sup>, dLWFB08]. **ECO-MAR** [PBB<sup>+13</sup>]. **eco-regions** [CDM23]. **ecobiogeochemistry** [MNG<sup>+11</sup>]. **ECOFER** [LUV99]. **ECOGIG** [CDM<sup>+16</sup>]. **ecologically** [RNP93]. **Ecological** [APMN<sup>+17</sup>, BHC<sup>+17</sup>, CD20, DBBWH20, FJF<sup>+11</sup>, KBD<sup>+01</sup>, LZM<sup>+13</sup>, STB<sup>+17</sup>, SZH20, AN05, AN06, ALHP18, AM22b, ADE22, BH14, BKP<sup>+20</sup>, CNOC13, FO05, Gut06, IUdV<sup>+12</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, LH01, LNDH<sup>+17</sup>, MA09, MSGO18, NSLAP<sup>+17</sup>, NCR<sup>+08</sup>, RDSA<sup>+21</sup>, SSSN19, SPS<sup>+09</sup>, SMSI08, SLLT10, ZB00, SH10]. **ecologically** [SDB<sup>+19</sup>, WTA<sup>+18</sup>]. **Ecology** [Ano05a, Ano06b, DMH19, HAGW<sup>+13</sup>, RD02, SDB<sup>+97</sup>, SKKM20, AD08, BBE<sup>+13</sup>, BWC<sup>+02</sup>, BWOR22, BRPH20, CCM<sup>+20</sup>, CW09, CBT01, CTH<sup>+98</sup>, DMFD19, DCA<sup>+98</sup>, DONF08, DKP<sup>+17</sup>, FEB<sup>+13</sup>, Gag04, GAJ<sup>+13</sup>, GW98, JAP<sup>+13</sup>, KP10, Lut09, MSD<sup>+18</sup>, MBM<sup>+00</sup>, NTA<sup>+10</sup>, PH17, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, PNVJ13, RRT<sup>+17</sup>, RH14, RSA<sup>+10</sup>, Rog17, RG06a, RMK<sup>+14</sup>, SDB<sup>+19</sup>, SFMG13, SHPM14, SBvdL<sup>+02</sup>, TTD13, WF13, WvdEM00, dSG09a, CA06b]. **ECOMAR** [SLB13b]. **economic** [Pas18, SBL<sup>+18</sup>, JMP<sup>+19</sup>]. **economically** [WTA<sup>+18</sup>]. **economics** [LS17]. **ECONORTH** [PTP09]. **Ecopath** [GPF16]. **Ecoregion** [ESG<sup>+17</sup>]. **Ecoregionalization** [KMD<sup>+11</sup>]. **Ecosim** [GPF16]. **Ecosystem** [AA15, BFD<sup>+23</sup>, CS20, DB16, DCSV19, FHW06, FBPG18, GO15, MBT<sup>+14</sup>, MD17, MWFS17, PTP09, SBKS03, TLSW15, TWN<sup>+06</sup>, YD09, ZHX<sup>+16</sup>, ZDO19, AGL<sup>+19</sup>, Ano08, AGJ07, BFL<sup>+20</sup>, BvWR<sup>+20</sup>, BMRP02, CDP<sup>+02</sup>, CBF01, CHS17, DHCV19, DGT<sup>+17a</sup>, DLLK15, DSBS20, DP02, DVPR06, DLB02, Duc08, DWW<sup>+02</sup>, DBC<sup>+02</sup>, DGT14, DGT17b, EHB19, FGU04, FC01, Fri01, FNYK02, GMD07, GPF16, GBS<sup>+22</sup>, GUSB03, GKB19, GAHD<sup>+17</sup>, Har06, HKAM12, HCG<sup>+09</sup>, HH20, HSW<sup>+02</sup>, HSSN08, HBB<sup>+13</sup>, HON<sup>+13</sup>, HA96, HWJ20, JZX10, JDL<sup>+12</sup>, Joy16, JBÖ<sup>+16</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>,



KUT<sup>+</sup>20, KMB11, KKUK10, Lar04, LHS96, LLC17, LGF03, LCG03, LBD<sup>+</sup>22, LSHB09, Lin16, LW04, LHKHH10, LFHM97, MHO02, Mac08, MSMS08, MBH<sup>+</sup>96, MGH<sup>+</sup>16, MTWC<sup>+</sup>15, MPH<sup>+</sup>16, MAA<sup>+</sup>04, MAA<sup>+</sup>05, MDK<sup>+</sup>01, MK19, NLDJ14, NMR10, OYK15, ODR<sup>+</sup>09, OBH<sup>+</sup>19, PNVJ13, PGFP<sup>+</sup>08].

**ecosystem**

[PPL<sup>+</sup>07, PVT<sup>+</sup>21, PBB<sup>+</sup>13, RBDO17, RDW<sup>+</sup>12, RP18, Rod13, RDSA<sup>+</sup>21, Sak07, SOW01, SBM<sup>+</sup>18, SSW05, SPW<sup>+</sup>22, SJD<sup>+</sup>11, SSE<sup>+</sup>14, SMD06, SHM<sup>+</sup>01, SMA01, SFK<sup>+</sup>12, SKM<sup>+</sup>12, SDMS06, SBSW07, SCSMT20, SSB<sup>+</sup>07, SAB08, STS<sup>+</sup>15, TSZ10, TSZT13, TWA<sup>+</sup>12, TSW<sup>+</sup>12, WWH<sup>+</sup>10, WW04a, WCB08, WPB<sup>+</sup>16, WWC<sup>+</sup>19, WMC06, WP17, WYT19, Ynd09, YKO15, ZS19, ZLOR02, Zim19, Ake19, EHB19, LKLK17, SID19, UWTS09, ZQW19].

**ecosystem-based** [DGT<sup>+</sup>17a, GKB19, MPH<sup>+</sup>16]. **ecosystemic**

[VGZ<sup>+</sup>19, VCG<sup>+</sup>20]. **Ecosystems** [HWCT04, IYM10, SH11a, Ark13, Arr16, AJP<sup>+</sup>22, BMS<sup>+</sup>18, BHS<sup>+</sup>06, BMK05, Bea09, BHC<sup>+</sup>17, CB09a, CNOC13, CBA<sup>+</sup>20, EBG<sup>+</sup>15, FPB<sup>+</sup>14, FBP<sup>+</sup>17, GKB19, JRJ<sup>+</sup>22, JRK<sup>+</sup>17, KMMS18, Kha18, KYW20, LD07, MM05, MKD<sup>+</sup>20, MCS<sup>+</sup>09, NLS<sup>+</sup>10, PFPJ<sup>+</sup>09, RT20, TAMTC<sup>+</sup>13, TAC<sup>+</sup>17, VAT23, VRL<sup>+</sup>02, VGD14, YOR13, ZSKL19, Arr15, Bro19, HD07, KKSA19, LP19, PH19, SPDW19, Sum19, YKSI19].

**ectoenzyme** [DCK01]. **Ectosymbiosis** [HDR<sup>+</sup>11]. **ectotherms** [Pör06].

**Ecuadorian** [GMPSHA<sup>+</sup>13]. **Eddies**

[JWO<sup>+</sup>09, JCP17, PFW<sup>+</sup>20, QS04, SdRvLR03, SWO10, ATLD<sup>+</sup>20, BTB<sup>+</sup>08, BLM<sup>+</sup>14, BPRS11, BMP<sup>+</sup>09, BKM07, BC05, BGWF08, BHAL13, BLC<sup>+</sup>08, CMW<sup>+</sup>05, Cra05, DD15b, EMW<sup>+</sup>08, FM03a, FMFW07, FWR<sup>+</sup>02, GSMG04, GS08, GSdAMNMM04, GFW07, HWP<sup>+</sup>07, HHX<sup>+</sup>10, HZW<sup>+</sup>23, IFFGL<sup>+</sup>04, JML08, JCPC09, JAM<sup>+</sup>14, LCH<sup>+</sup>09, LH08, MBK08, MiSW08, MMMC07, MFFM03, MBO07, Ric05, RTM14, RSC07, SGA<sup>+</sup>15, SRBR05, SCM<sup>+</sup>08, SKW07, SD22, SYB<sup>+</sup>11, TPW07, TMW<sup>+</sup>05, VJF23, VMM<sup>+</sup>08, WMH<sup>+</sup>07, WTP<sup>+</sup>07, WPG<sup>+</sup>07, WPD22, WDD<sup>+</sup>22, WW23, WC07b, ZLZ<sup>+</sup>15, ZHM<sup>+</sup>24, BNM08, CBPT05, DFC05, JMSW05, MRC05, YC05]. **Eddy**

[CRJB08, HBP<sup>+</sup>14, MTGY05, QC10, RPM07, SSSC19, SA02, SWGPK17, WDFK<sup>+</sup>22, ZDBG05, AJR<sup>+</sup>15, BSG<sup>+</sup>11, BSL11, Bre93, BLS<sup>+</sup>08, BGS09, CFR<sup>+</sup>14, CH24, CCW<sup>+</sup>08, DM16a, GDL22, Gau07, Gre08, HXF<sup>+</sup>23, HB05, HFP94, JDL<sup>+</sup>22, LBR<sup>+</sup>08, LDS<sup>+</sup>08, LML<sup>+</sup>01, LMA08, LPMS09, MBNB<sup>+</sup>08, MBNRB08, MFPL19, MRLL01, MR01, MDM<sup>+</sup>13, Men23, MCM06, NKD<sup>+</sup>08, NSMBN08, NMWH19, OG11, OGRdO18, PPA10, PKW07, PWH05, RPA07, RLH<sup>+</sup>03, RJWD01, RNR20, SAK05, SSK<sup>+</sup>05, SSK<sup>+</sup>07, SW99, SJ00, SMB03, TRM<sup>+</sup>14, TNT<sup>+</sup>15, TBBM03, VHT<sup>+</sup>20, WH01b, WW23, WR01, YSBH06, GHB<sup>+</sup>05, HDGM19, SMBL19]. **Eddy-mean** [QC10]. **eddy-permitting**

[RLH<sup>+</sup>03]. **Eddy-Pump** [SWGPK17]. **eddy-resolving**

[MDM<sup>+</sup>13, OGRdO18]. **eddy-shedding** [CH24]. **eddying** [SWGPK17].

**edge** [Bis94, BFF94, BLG15, BBD<sup>+</sup>03, CC15, DKG04, IGP<sup>+</sup>06, MWB95, RPB02, SHC<sup>+</sup>22, Tan03, UW99]. **edges** [RHPR15]. **edifice** [SLdB<sup>+</sup>15].

**Editorial**

[Ano98a, Ano98b, Ano98c, Ano98d, Ano98e, Ano99b, Ano99c, Ano99d,

Ano00a, Ano00b, Ano00c, Ano00d, Ano01b, Ano17f, Ano17g, Ano17h, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, KP10, KFS<sup>+</sup>17, Mil94a, PS04b, PSY13, YSL<sup>+</sup>10, BH15, Ano93a, Ano94a, Ano95a, Ano96e, Ano97a, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h]. **Editorial** [Ano23i, Ano24b, Ano24c, Ano24d]. **eDNA** [OvdRvA<sup>+</sup>22]. **Edouard** [WBI<sup>+</sup>01]. **education** [CPM<sup>+</sup>18]. **Edward** [FPGH02, GFPM02, HPM02, MFL10]. **Edwardisia** [SS13a]. **Edwardsiidae** [SS13a]. **eel** [KT06, MWF<sup>+</sup>19]. **eelpout** [BKPA06]. **eels** [HK19]. **Effect** [AVS<sup>+</sup>20, BSS20, BBM<sup>+</sup>08, CMNM16, GDA<sup>+</sup>15, HMHY11, JS14, KRB95, KTP<sup>+</sup>05b, LFPC14, LCD01, LM96, SHH03, ZLZ<sup>+</sup>15, ASS02, AAG19, BSG<sup>+</sup>11, BNM<sup>+</sup>07, BS21, BABB08, BML<sup>+</sup>06, BBD<sup>+</sup>03, ESA<sup>+</sup>09, EAS<sup>+</sup>09, GOC09, HBCO01, HMA20, KVB<sup>+</sup>09, KKUK10, KVL<sup>+</sup>19, LMvDA16, LSWH07, LBM<sup>+</sup>20, MAN<sup>+</sup>20, MCS07, MSW11, OGC09, PFPJ<sup>+</sup>09, ROC<sup>+</sup>21, SBM<sup>+</sup>18, VAK<sup>+</sup>09, WN01, WCJ<sup>+</sup>11, WLT20, ZLOR02, Zül05]. **effective** [CWWB04, KKH<sup>+</sup>02, SS01]. **Effectiveness** [BM17]. **Effects** [ASF<sup>+</sup>16, BLD<sup>+</sup>06, CHG15, CM01, DMS<sup>+</sup>10, DHGO23, DJFK<sup>+</sup>22, DGR19, ER05, FLLGR04, GOGCDB18, GGRW98, HBC<sup>+</sup>12, HD07, JBJ17, KxF22, LLM<sup>+</sup>17, LDX<sup>+</sup>23, MOT98, MTT<sup>+</sup>12, NSWY20, OSCS00, PDK<sup>+</sup>14, PHS17a, SLS<sup>+</sup>09, SF11, SMBL19, TGG<sup>+</sup>09, TPW<sup>+</sup>16, TVL<sup>+</sup>00, VCDAL14, WZW<sup>+</sup>95, BV98, BZS<sup>+</sup>16, BHC<sup>+</sup>01, BFML<sup>+</sup>08, BCL14, BKCv10, CHPF10, CKB<sup>+</sup>07, DTJ<sup>+</sup>14, DW15b, EWG94, FSP<sup>+</sup>16, GRD<sup>+</sup>08, GPF16, GLM04, JTK<sup>+</sup>14, KKSA19, KCTG16, LC16, LCS16, LS04, LBD<sup>+</sup>02, LMG17, LAPL<sup>+</sup>16, MWS<sup>+</sup>15, MC05, MBd05, MBP09, NLDJ14, NZT97, PSK<sup>+</sup>14, PWL07, PJLO<sup>+</sup>17, PHD<sup>+</sup>18, Pra04, PHKW10, RLB18b, RAF<sup>+</sup>14a, RAF<sup>+</sup>14b, Sco05, SSSC19, SMB<sup>+</sup>98, SK02, STR<sup>+</sup>14, SYB<sup>+</sup>11, TSS<sup>+</sup>02, TWN<sup>+</sup>06, Uml05, WC24, WPW<sup>+</sup>14, YAOW05, Zon07]. **efficiencies** [AHML95, SFV<sup>+</sup>01]. **efficiency** [BFML<sup>+</sup>08, DD95, DP07, DDK<sup>+</sup>00, FA03, HBC<sup>+</sup>23, KKK<sup>+</sup>17, SLLT10]. **efforts** [VALW23]. **egestion** [ASF<sup>+</sup>12]. **Egg** [SMG<sup>+</sup>07, HSBT19, HK10, PC08, PCAS05, RSB<sup>+</sup>17, RPJ<sup>+</sup>06, YOO<sup>+</sup>10]. **eggs** [Blo02, BSN<sup>+</sup>15, CDG00, LCR<sup>+</sup>96, SDAH<sup>+</sup>12]. **eiders** [CSG<sup>+</sup>13]. **Eighteen** [DSK<sup>+</sup>13, JTDG13, OWD13]. **Eis** [MWFS17]. **ejecta** [Kyt02b, Kyt02c]. **Ekman** [CWB02, SMPSD04]. **Ekström** [KGB<sup>+</sup>14]. **Elasipoda** [GTSC08]. **elasmobranch** [BBW<sup>+</sup>15]. **Elasmobranchii** [WST15]. **elasmobranchs** [CHV<sup>+</sup>15]. **electric** [SS13b]. **electric-field** [SS13b]. **electrode** [PCB<sup>+</sup>17]. **electron** [ABKL96, NAT<sup>+</sup>12, NS93, SMM<sup>+</sup>06]. **Electrona** [VVM<sup>+</sup>12, ZDW<sup>+</sup>20]. **electrophoresis** [RSF<sup>+</sup>99]. **Eleginus** [HCAK17]. **Element** [RVC<sup>+</sup>13a, AELP14, CMVS<sup>+</sup>10, RVC<sup>+</sup>13b, TRM<sup>+</sup>15, VOK<sup>+</sup>24]. **Elemental**

[BTV<sup>+11</sup>, SHWW22, SML15, ADV<sup>+01</sup>, CML<sup>+09</sup>, CSS<sup>+02</sup>, KYI10a, MMS<sup>+19</sup>, MHP<sup>+07</sup>, PBNF<sup>+16</sup>, STR<sup>+14</sup>, YOI<sup>+09</sup>]. **elements** [BSZ99, CVA<sup>+13</sup>, FdBGp11, FSCC07, GJC98, HOD<sup>+09</sup>, HFL<sup>+15</sup>, LBL08, PPR07, WSS<sup>+08</sup>, ZLJ08]. **Elephant** [LHKHH10, BCE<sup>+07</sup>, BTLC98, GBC<sup>+13</sup>, GHM18, HCZ<sup>+07</sup>, MdSLH13, SMA<sup>+17</sup>, SSWM18, VGGLB15, SAM<sup>+13</sup>]. **Elevated** [GS08, MGC<sup>+14</sup>, CMNM16, MSRM14, PDE<sup>+16</sup>]. **elevations** [AGHS04]. **elimination** [BCL14]. **elongated** [MWB<sup>+09</sup>]. **elongatus** [UFAK06]. **elsewhere** [Wea93]. **Eltanin** [FSG02, WA02, Kyt02a, Kyt02b, Kyt02c]. **elucidate** [FB14]. **elucidated** [RSW<sup>+13</sup>]. **Elzone** [JLAD95]. **EM-POGO** [TSDG13]. **embayment** [VLSS<sup>+04</sup>, VSGGPR14]. **Embayments** [HDR<sup>+11</sup>]. **embryo** [WTS08]. **embryonic** [BY09, CGD<sup>+15</sup>]. **embryos** [BY09]. **emendation** [GJ11]. **emergence** [BCVCHW04]. **Emerging** [NTA<sup>+10</sup>]. **Emilia** [ESA<sup>+09</sup>, EAS<sup>+09</sup>, HPN<sup>+12</sup>, OS02, RHL<sup>+16</sup>, TTA<sup>+16</sup>]. **emission** [OCG<sup>+09</sup>]. **emissions** [BABBO8, HGK<sup>+18</sup>, RDC<sup>+18a</sup>, RDC<sup>+18b</sup>, ROBV<sup>+18</sup>]. **Emmonak** [FBB<sup>+13</sup>, FRBB13]. **Emperor** [VOK<sup>+24</sup>]. **emphasis** [ABC<sup>+04</sup>, BSJ13, GTTKB14, LSHB09, MGT<sup>+20</sup>, PMS<sup>+07</sup>, RBMY02, SSM<sup>+08</sup>, Sum19, VBC<sup>+95</sup>]. **empirical** [DSBS20, IS07, SCS<sup>+98</sup>]. **Empirically** [SNMH18]. **Employing** [RPF<sup>+16</sup>]. **enabled** [DCS<sup>+18</sup>]. **Enabling** [BC08]. **enantiomers** [JKB04]. **enclosed** [DM16a, SAG<sup>+10</sup>, ZGW<sup>+23</sup>]. **encoding** [OCA19]. **encounter** [DLW<sup>+17</sup>]. **encounters** [TCM<sup>+04</sup>]. **encrasicolus** [RGIH<sup>+06</sup>]. **encystment** [BKS<sup>+10</sup>]. **End** [POA<sup>+16</sup>, MD17, QW15, SHWW22, TdFAL19, VALW23, dCHdOF<sup>+18</sup>]. **end-member** [QW15]. **end-members** [MD17]. **end-summer** [dCHdOF<sup>+18</sup>]. **End-to-end** [POA<sup>+16</sup>, VALW23]. **endangered** [PWB<sup>+06</sup>]. **endemic** [ABE<sup>+11</sup>, DFJ18]. **endemism** [BBB<sup>+07</sup>, LBSB<sup>+17</sup>, MS11]. **Enderby** [VVTM97]. **endoparasitic** [SM15]. **Energetic** [FKH05, BvGH<sup>+17</sup>, KSDE16, LN05, MZH16]. **Energetics** [JLB<sup>+99</sup>, Wei15, APMN<sup>+17</sup>, BSSE16, SSSC19]. **Energy** [PDS<sup>+17</sup>, AKK<sup>+17</sup>, CWE<sup>+17</sup>, HXF<sup>+23</sup>, HFK<sup>+02</sup>, HWL06, HDJP05, LDX<sup>+23</sup>, MW05a, MMTT<sup>+20</sup>, MSBS01, Pap05a, PF06, RHB<sup>+04</sup>, SHM13, SH16, SW99, UW99, VAMPR<sup>+17</sup>, WWHT20]. **England** [AKM<sup>+05</sup>, SW09]. **English** [PGS14, LAB<sup>+17</sup>, PLA<sup>+17</sup>, SWDB<sup>+14</sup>, VLP<sup>+17</sup>]. **Engraulis** [CDG00, DBC<sup>+19</sup>, LTL<sup>+23</sup>, MGGTM19, NSBL94, RGIH<sup>+06</sup>, WWH<sup>+10</sup>]. **enhance** [WCH05]. **Enhanced** [RSR05, ZA16, ZDA<sup>+16</sup>, GS08, HIA<sup>+16</sup>, LAT<sup>+18</sup>, NW01, RMK<sup>+14</sup>, SP00]. **enhancement** [MiSW08, MBP09, YK04]. **enhances** [MS06b]. **enhancing** [HSSH23]. **enigmatic** [GCKC07]. **Enriched** [KLLO98, HWS<sup>+98b</sup>, MQACB08]. **Enrichment** [TWN<sup>+06</sup>, UWTS09, AHR<sup>+06</sup>, BWL01, BML<sup>+06</sup>, BGH99, CJF<sup>+98</sup>, HRM<sup>+06</sup>, Har06, HS98, KSH<sup>+09</sup>, KNC<sup>+09</sup>, KHE<sup>+11</sup>, MSK<sup>+06</sup>, MJW<sup>+06</sup>, MSJ<sup>+06</sup>, NHS<sup>+09</sup>, NOT<sup>+09</sup>, NMH<sup>+06</sup>, NTK<sup>+09</sup>, OPCS00, ÖCB<sup>+04</sup>, PHS<sup>+11b</sup>, RVC<sup>+13b</sup>, STN<sup>+06</sup>, STN<sup>+09</sup>, SD06a, STF09, SMH<sup>+06</sup>, SML15,

TYBY06, TSN<sup>+06</sup>, VSD<sup>+97</sup>, WC06b, WJS<sup>+06</sup>, YOI<sup>+09</sup>, ZOB<sup>+96</sup>, vRPD<sup>+18</sup>].  
**enrichments** [Boy02, DNR20, HBSL01]. **ensemble**  
 [BFH<sup>+23</sup>, MDI<sup>+12</sup>, WJR<sup>+16</sup>]. **ENSO**  
 [ARLA03, FWC<sup>+95</sup>, GK02, HVWH09, HGM<sup>+11</sup>, KMLC<sup>+04</sup>, LWS21].  
**entering** [BS98]. **Enteropneusta** [ELG<sup>+22a</sup>, ELG<sup>+22b</sup>]. **enteropneusts**  
 [JAP<sup>+13</sup>]. **entombed** [PUP<sup>+07</sup>]. **Entoprocta** [BCE18]. **entraining**  
 [WC06a]. **Entrainment** [KHL<sup>+15</sup>, LCS<sup>+06</sup>, LM01, NYNK05]. **entrance**  
 [CCM15, FLTV04, FLTCV10, TMC04, VLSS<sup>+04</sup>]. **entry** [AHK99, VSM17].  
**Enumeration** [Kel10, AKK<sup>+05</sup>, EPK<sup>+10</sup>]. **Environment**  
 [Arr15, IDSM04, Sha01, Arr16, AI09, BKP<sup>+20</sup>, BDL<sup>+22</sup>, CTCD05, CA06b,  
 DHGO23, DCA<sup>+98</sup>, EWP<sup>+99</sup>, FMWD07, GF07, GHM<sup>+12</sup>, HWCT11, Hol06,  
 JRK<sup>+17</sup>, KG20, KGHA<sup>+01</sup>, MKS<sup>+20</sup>, MSS15, NA13, NKB<sup>+18</sup>, NDE14,  
 OM14, PFC09, SYS05, SV09, SDAH<sup>+12</sup>, SGP<sup>+02</sup>, SNK07, TM22,  
 VAMPR<sup>+17</sup>, WCH<sup>+93</sup>, WPJW96, WTA<sup>+18</sup>]. **Environmental**  
 [CM16a, CM16b, DTJ<sup>+14</sup>, EZB<sup>+20</sup>, GKGW22, HTW14, HSC<sup>+07</sup>, KIIW03,  
 KCMT<sup>+20</sup>, LRDS18, LMLC<sup>+17</sup>, NLDJ14, OGJ<sup>+19</sup>, RRL<sup>+14</sup>, RSB<sup>+17</sup>,  
 RHL<sup>+16</sup>, STP<sup>+16</sup>, TZ09, AMJRD19, AYMSAS19, ADBW16, ADRS19,  
 AMTE09, AAL<sup>+17</sup>, BF14, BZMC20, BTD11, BEB<sup>+13</sup>, CLC<sup>+98</sup>, CDRA08,  
 CJA<sup>+06</sup>, CH24, CLC<sup>+03</sup>, CHH<sup>+21</sup>, CSS<sup>+22a</sup>, Dal04, DSG<sup>+09b</sup>, ESWL20,  
 EP18, FBP<sup>+17</sup>, GdRGLS04, GWWL03, GBC<sup>+05</sup>, HAGW<sup>+13</sup>, HWCT08,  
 ITT12, IBK<sup>+11</sup>, IARR01, JGM09, KRGT14, KVS<sup>+09</sup>, LWAS08, LLC17, LB18,  
 LTW<sup>+22</sup>, LH15, LGR<sup>+14</sup>, MDTs11a, MK21, MHTZ19, MTWH04, NLS<sup>+10</sup>,  
 OBRJ01, OTH05, PSK<sup>+14</sup>, PFdSG11, RLB<sup>+18a</sup>, SVAGRCS04, SLdB<sup>+15</sup>,  
 SM12, SCD14, SHN<sup>+07</sup>, SBL<sup>+18</sup>, SFH<sup>+18</sup>, SLP<sup>+17</sup>, TTU01, TSA<sup>+01</sup>, TKF07,  
 WC24, WCC05, WPW<sup>+14</sup>, WGMC14, WTA<sup>+18</sup>, XSM<sup>+19</sup>, ZFP<sup>+16</sup>, dLC<sup>+14</sup>].  
**environmentally** [KL13]. **environmentally-driven** [KL13]. **environments**  
 [BS05, BS06, ELP13, FR10, Har11, HZMH07, HSD04, IKR<sup>+12</sup>, Kos01,  
 LSGM02, PKA95, SKL<sup>+22</sup>, SCGB18, VGGLB15, ZWZ18]. **environs** [WB96].  
**Envisat** [OCKA<sup>+11</sup>]. **enzymatic** [DKGT04, HD02, ZJA16]. **enzyme**  
 [DKT<sup>+01</sup>, GQ09]. **EOF** [IS07]. **epi** [PKZ<sup>+19</sup>]. **epi-** [PKZ<sup>+19</sup>]. **Epibenthic**  
 [EBGCL08, RKTG14, BEB<sup>+13</sup>, BHJ<sup>+14</sup>, BEM<sup>+15</sup>, BRPH20, CGG<sup>+19</sup>,  
 CRBK03, GAP<sup>+06</sup>, KCM<sup>+14</sup>, KRGT14, LK98, LWJR22, LT03, MB07a,  
 RLB<sup>+18a</sup>, WR09]. **epibenthic-sledge** [BHJ<sup>+14</sup>]. **epibenthos** [IMG<sup>+19</sup>].  
**epibionts** [KBR18, STFL<sup>+13</sup>]. **Epibiotic** [SGB14, BAKF03, SC15].  
**Epifauna** [BEB<sup>+13</sup>]. **Epigonus** [VFFM13]. **epipelagic**  
 [DSJ<sup>+11</sup>, MMY<sup>+20</sup>, PHKW10, RQM<sup>+08</sup>]. **episodes** [ARLA03, MPC99].  
**Episodic** [GBJ<sup>+15</sup>, PWR05, RBH<sup>+20</sup>]. **Epistominella** [PBG07]. **Epizoic**  
 [BPR<sup>+10</sup>]. **EPS** [JS14]. **Epsilonproteobacteria** [CdST<sup>+17</sup>]. **EqPac**  
 [IF95, BCH<sup>+96</sup>, BAH<sup>+95</sup>, CGR<sup>+96</sup>, DBC<sup>+02</sup>, Fri01, GG95, HS96, HDCM95,  
 MJG95, RDG<sup>+95</sup>, WZW<sup>+95</sup>, ZDWR95]. **equation** [CJ19, Mar19]. **equator**  
 [BCH<sup>+96</sup>, DZBR95, IHI<sup>+97</sup>, LBD<sup>+02</sup>, RL97, RDG<sup>+95</sup>]. **Equatorial**  
 [ATD<sup>+11</sup>, CMBPM04, DBN<sup>+11</sup>, Fri01, KMSM11, KT06, PD01, RD97,  
 WSL07, Abr19, ATS<sup>+96</sup>, ACG19, BTV<sup>+11</sup>, BK96a, BSL<sup>+96</sup>, Bas19,  
 BAD<sup>+97</sup>, BO96, BCO<sup>+96</sup>, BD02, Boy02, BRPI02, BLG15, BBB<sup>+11b</sup>, CD95,

CLB96, CDP<sup>+02</sup>, CM99a, CC01, Dan95, DN97, DDN<sup>+04</sup>, DLR11, DQC95, DWW<sup>+02</sup>, DBC<sup>+02</sup>, DCF<sup>+11</sup>, DMY<sup>+97</sup>, DNA97, DO96, ERR97, FWC<sup>+95</sup>, FWG<sup>+97</sup>, FBC<sup>+02</sup>, FLMF07, FCG<sup>+96</sup>, FDM<sup>+97</sup>, FC07, GLLC04, GK02, HMB<sup>+96</sup>, HCBP97, HS96, Hen19, HHP<sup>+96</sup>, HZT<sup>+06</sup>, HWS<sup>+98b</sup>, HDCM95, IF95, IIM<sup>+09</sup>, Jen03, JCD<sup>+03</sup>, KF95, KNG02, KRB95, KT02, KNB11, KLKB95, LRFK99, LCK95, LKC96, LST<sup>+11</sup>, LR97, LFM02, LBB95, LFHM97, LKK<sup>+95</sup>, MN10, MPH<sup>+95</sup>, MBHN02, MS99, MGNB96, MLR07, MCD<sup>+09</sup>, MMJ<sup>+03</sup>, MJG95, MYN<sup>+96</sup>, MLD97, NGM<sup>+05</sup>, NTF01, NL11, NZT97, PCDM11, PWD<sup>+11</sup>, PH96, PDSS96, Qua97, RF99, RLPF07]. **equatorial** [RDLZ02, RFLW00, SBG05, SHD<sup>+96</sup>, SBD<sup>+97</sup>, SIFS10, SPD<sup>+11</sup>, SLS11, TLSY11, TBB<sup>+11</sup>, VSSN96, VT01, VBC<sup>+95</sup>, WHL<sup>+97</sup>, WPHL02, WCRG95, WGR<sup>+97</sup>, WCMB06, WFA<sup>+95</sup>, WMW96, ZOB<sup>+96</sup>, ZD97, ZQ97, BPD<sup>+11</sup>, BMGC09, GJC98, GMMS05, MPG<sup>+97</sup>, NL11, SLT<sup>+11</sup>, SV09, SRF09b, YTF02, BRPI02, SKC99]. **equatorward** [SHKW05, VLSS<sup>+04</sup>]. **equipped** [BEB<sup>+13</sup>]. **era** [WCB08]. **Eratosthenes** [BOC18, ID19]. **Erignathus** [CBK<sup>+22</sup>]. **EROS** [MM97]. **erosion** [CBF<sup>+13</sup>, CBF<sup>+16</sup>]. **erosional** [NGM<sup>+05</sup>]. **Erratum** [Ano95b, Ano96f, Ano97g, Ano97c, ADGA06, BS06, EWA<sup>+03a</sup>, HiH<sup>+20</sup>, LLM<sup>+03</sup>, MCS<sup>+03</sup>, MAA<sup>+05</sup>, Mun16, PNLFS03, SSK<sup>+07</sup>, SMGB03]. **Error** [Eks07, Dem04]. **eruption** [Bak98, CES98, MTB09, NLSL09, RSP<sup>+98</sup>, SB98]. **eruptive** [KLLO98, OGG<sup>+15</sup>, PPR<sup>+20a</sup>]. **escape** [CSG<sup>+15</sup>]. **escarpment** [MAR<sup>+17</sup>, BNKJ23]. **Espírito** [MAR<sup>+17</sup>]. **essential** [GPCC<sup>+17</sup>]. **Establishment** [SBL<sup>+18</sup>, Blu01]. **ester** [PTWM12]. **estimate** [COJ<sup>+09</sup>, Dem04, HWN<sup>+04</sup>, LRR<sup>+04</sup>, MRM<sup>+12</sup>, OWD13]. **estimated** [BCH<sup>+96</sup>, CM99a, CLB13, HGAB04, HIA<sup>+16</sup>, HdBB<sup>+02</sup>, KOM17, MQ01, MMXS02, OENB01, PW12, RWN<sup>+08</sup>, SSWM18, SHY<sup>+08</sup>]. **Estimates** [MC06, MLS<sup>+15</sup>, RAL<sup>+01</sup>, SW08, BDW<sup>+96</sup>, BL06, BAH<sup>+95</sup>, CFS<sup>+06</sup>, Fre13, GMR<sup>+05</sup>, GFPM02, JEK<sup>+15</sup>, JR15, KGE<sup>+04</sup>, KM15, KMK<sup>+20</sup>, LPK<sup>+17</sup>, LMvDA16, MBC<sup>+09b</sup>, Osc01, RPS<sup>+11</sup>, SOW01, Sch02a, SBG05, SVS<sup>+20</sup>, SLB<sup>+16</sup>, TSPH09, Yal01, YZ00, ZDW<sup>+20</sup>]. **Estimating** [BWS<sup>+98</sup>, BTD11, DGA<sup>+11</sup>, HVBO08, KG20, PCDM11, PLD<sup>+17</sup>, PJLO<sup>+17</sup>, PHD<sup>+18</sup>, SLS<sup>+07</sup>, SD06b, SHW<sup>+16</sup>, WGFS03, LGP<sup>+15</sup>, MLVM02, OBWK01, XA09]. **Estimation** [AHML95, Car01, ESK06, GSM<sup>+20</sup>, KH02, Las93, SH16, vGCM00, CRD<sup>+17</sup>, HJS<sup>+10</sup>, HSM<sup>+01b</sup>, KGKS20, KUT<sup>+20</sup>]. **Estimations** [RBXM15]. **ESTOC** [PKR<sup>+01</sup>, ZLOR02]. **Estonia** [SSAF02, ASS02]. **estuaries** [MK21]. **estuarine** [GKGW22, OM14, ZX12]. **Estuary** [RDdL<sup>+13</sup>, ALR<sup>+14</sup>, OM14, SAL95, ZG15, LG15, YZZ<sup>+19</sup>, ZZY<sup>+19</sup>, ZG15]. **ethers** [CHW<sup>+12</sup>]. **ethnography** [FRBB13]. **Etmopterus** [CAJE15, CGD<sup>+15</sup>, SLC<sup>+15</sup>]. **Eualus** [NCL13]. **Euaugaptilus** [MNN10]. **Eucalanidae** [GO10]. **Eucalanus** [KTSI07]. **eucarids** [LV17]. **Eukaryote** [CD20, OvdRvA<sup>+22</sup>]. **eukaryotic** [ANL13, SSW05]. **Euler** [Mar19]. **Eulerian** [EB01, MB96]. **Eumetopias** [CFGR07, GS06a]. **Euphausia** [Ant10, BLBW<sup>+11</sup>, BKCV10, CHPF10, CWD<sup>+10</sup>, CKL03, Dal04, HA10,

HH03, JKK<sup>+10</sup>, JH04, KKM<sup>+10</sup>, KYI10a, KYI10b, LLK<sup>+16</sup>, LS10, NKK<sup>+00</sup>, NVK<sup>+04</sup>, NCR<sup>+08</sup>, PAM<sup>+04</sup>, PNH<sup>+00</sup>, RQNO04, SPF10, VMF<sup>+16</sup>, ZD04].

**Euphausiacea** [ZNPR09]. **Euphausiid**

[FPS10, LWSA08, LWAS08, BT03, GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>, HRG<sup>+16</sup>, LJHAA19, LS10, PSS<sup>+16</sup>, RBP<sup>+05</sup>, WAL<sup>+11</sup>]. **Euphausiids**

[HJS<sup>+10</sup>, HRG<sup>+16</sup>, NB10, BOKA16, CP02, FLTCV10, GGPM05, GFPM02, HPL<sup>+12</sup>, KYI10a, KYI10b, KYKJ16, NTH10, PS04a, PC08, RDW<sup>+12</sup>, SNS<sup>+16</sup>, SHKW05, ZNPR09]. **Euphotic**

[GG95, DLR<sup>+01</sup>, MSM<sup>+02</sup>, PPA10, PNC<sup>+06</sup>, SCPC98, ZFA<sup>+02</sup>].

**Euphotic-zone** [GG95]. **Europe** [ASBR17, KB95]. **European**

[MM97, PdBK<sup>+03</sup>, AMH<sup>+01</sup>, AHVB<sup>+17</sup>, DGT<sup>+17a</sup>, HLM<sup>+01</sup>, LLM<sup>+17</sup>, MHA<sup>+01</sup>, MPF<sup>+17</sup>, PBG<sup>+10</sup>, PGS14, TFR<sup>+10</sup>, vWDB<sup>+01</sup>]. **eurybathic**

[RHM13]. **Eurycope** [EGMB13, MGE13]. **Eusirid** [KBF<sup>+08</sup>]. **Eusiroidea**

[LJB18]. **eutrophication** [DHCV19]. **euxinus** [UFAK06]. **Eval** [BSS<sup>+17</sup>].

**evaluate** [GAC<sup>+02</sup>, NLY<sup>+13</sup>]. **evaluated** [PGFP<sup>+08</sup>]. **Evaluating**

[BWD20, MLW<sup>+01</sup>, MST<sup>+14</sup>, PDC<sup>+21</sup>, SMSA05, HFK<sup>+02</sup>]. **Evaluation**

[BM17, CWSH20, HZT<sup>+06</sup>, KM05a, PG18, QQJ<sup>+21</sup>, SYS05, SSR96, TTU01, BKS<sup>+16</sup>, CLF<sup>+09</sup>, GPMZ<sup>+10</sup>, LYL22, MC15, NISG05, OBRJ01, RPF01, RSC<sup>+09</sup>]. **evaluations** [LSWM22]. **Event**

[BBR<sup>+10</sup>, Bak98, CBB<sup>+98</sup>, DRVVS<sup>+14</sup>, FWC<sup>+95</sup>, HVWH09, HSB<sup>+16</sup>,

HC13, IPH<sup>+17</sup>, JBS<sup>+98</sup>, KLL098, MGNB96, NGM<sup>+05</sup>, PBS06, PLHMA06, RGH<sup>+24</sup>, SZM10, Wei15, WPJW96, vRPD<sup>+18</sup>, FBL<sup>+98</sup>, MBF<sup>+98</sup>].

**event-scale** [PBS06, vRPD<sup>+18</sup>]. **Events** [Ano06f, CH24, CHL<sup>+15</sup>,

CMAO<sup>+12</sup>, DABMAMA04, GBC<sup>+13</sup>, Gol93, KK19, LBM98, LDW22, ÑB04, OCP18, OWW<sup>+12</sup>, SIA<sup>+05</sup>, SZH<sup>+04</sup>, SYK<sup>+13</sup>, VKC09, VIY02, WLD<sup>+06</sup>].

**evermanni** [DDAH<sup>+14</sup>]. **Evidence** [AJR<sup>+15</sup>, CRD01, CGD<sup>+15</sup>, CRD<sup>+17</sup>,

EQW<sup>+13</sup>, EMV09, GSW99, GSM<sup>+08</sup>, HHR<sup>+08</sup>, LvDA14, MCM<sup>+14</sup>, MA05, NGM<sup>+05</sup>, OTK<sup>+05</sup>, OGG<sup>+20</sup>, PWMC01, SLB<sup>+15</sup>, AHV<sup>+00</sup>, ACV<sup>+01</sup>,

AFB<sup>+94</sup>, BW93, BCWT00, BMRP02, BBR<sup>+96</sup>, BNP<sup>+09</sup>, BK96b, DBDT03, FLTV97, FL02, GBC<sup>+05</sup>, HB03, KNG02, LWB<sup>+20</sup>, LSL<sup>+15</sup>, NSKG96, NR00,

PDSS96, PKA05, PRB<sup>+11</sup>, SBM<sup>+18</sup>, ZSLL15]. **evidenced** [BY04, LWL<sup>+24</sup>].

**Evolution** [AST07, DSK<sup>+13</sup>, FM03a, PPT<sup>+10</sup>, VF08, WC06b, BPC05,

Ber07, BJSH14, Bre93, BGMH01, CHL<sup>+15</sup>, CMW<sup>+05</sup>, Eif05, GCJ<sup>+00</sup>, HBSL01, JW05a, JW05b, JRGLJ<sup>+19</sup>, LML<sup>+01</sup>, LCS<sup>+06</sup>, aLCS15, LAGK<sup>+18</sup>,

LXWC21, LAPL<sup>+16</sup>, LSA14, MML07, MNR<sup>+11</sup>, MGC<sup>+01</sup>, PIP<sup>+02</sup>, Pör06, PPR<sup>+20b</sup>, RP18, SBZ<sup>+03</sup>, STB<sup>+17</sup>, SK07, SP19b, SLW98, TWD<sup>+08</sup>,

TRHA01, VPdP06, WCH<sup>+93</sup>, WCJ97, ZV13]. **Evolutionary**

[DFD<sup>+11</sup>, Vri13]. **ex** [SSL98, RJM<sup>+15</sup>]. **ex-situ** [RJM<sup>+15</sup>]. **Examination**

[DKP<sup>+14</sup>, AGN<sup>+02</sup>, HLC<sup>+16</sup>, SN04, SKM<sup>+08</sup>]. **examined** [DWG<sup>+15</sup>].

**Examining** [SAW16, SM23]. **example**

[ANS<sup>+11</sup>, BFG<sup>+10</sup>, BBT<sup>+18</sup>, GHD<sup>+18</sup>, OM16]. **examples** [Joh19, JAM<sup>+14</sup>].

**exceptional** [MPC99, OM14, SSHB03]. **Excess**

[OHT12, DGP20, PDSS96, YCT<sup>+22</sup>]. **Exchange**

[RVJG<sup>+02</sup>, RVJG<sup>+05</sup>, Sme04, Wir94, ALWW04, BPF<sup>+03</sup>, Bis94, BFF94,

BLS<sup>+03</sup>, DKS03, DK04, ES04, GSGS01, GPB09, GKR<sup>+18</sup>, HLS<sup>+11</sup>,  
 HDF<sup>+01</sup>, HSM<sup>+01a</sup>, JKB04, JCP05, KMO09, KIS02, LSC05, LRFK99,  
 LPZ<sup>+04</sup>, LBY<sup>+10</sup>, MC05, MLS01, MB03, MS06b, MLVM02, MCJ<sup>+99</sup>,  
 MMMC07, Pap05a, PG97, RLB03, RSB<sup>+15</sup>, SRY04, SE96, SHL<sup>+11</sup>, SWLL23,  
 VLSS<sup>+04</sup>, WKM<sup>+07a</sup>, WCJ97, WDC<sup>+15</sup>, WCL<sup>+15b</sup>, YLBdR03, WC01a].  
**exchanged** [LDV<sup>+02</sup>]. **exchanges** [CMC<sup>+05</sup>, CMB02, McP08]. **excitation**  
 [SFD04]. **excystment** [MTK05]. **exercise** [GGM<sup>+16</sup>]. **exercises** [Joh19].  
**exhibit** [BCBB12]. **exhibition** [SRS<sup>+15</sup>]. **exist** [KFS<sup>+17</sup>]. **existence**  
 [TLF97]. **exit** [SPH<sup>+03</sup>]. **exopolymer** [LPA<sup>+95</sup>, PA95]. **Exp** [WOM<sup>+16</sup>].  
**expanse** [PMS<sup>+20</sup>]. **expansion** [OUJ<sup>+19</sup>, SIA<sup>+05</sup>, SLS17, TWN<sup>+06</sup>].  
**Expatriation** [HK07]. **Expected** [Had11]. **Expedition**  
 [AKI<sup>+16</sup>, BHT22, DF16, HB19, HBV19, HBVG20, HBVG22, ITK<sup>+16</sup>,  
 KOS<sup>+16</sup>, LSOM16, OM16, OTN16, PBVC<sup>+16</sup>, Ala18, BPBJ13, BM15,  
 BAF<sup>+18</sup>, CR06, Can06, Che13, CP18a, CP18b, Cra97, GMB18, HAP03,  
 KKT16, Kyt02b, Kyt02c, MB15, MCB18, PLS<sup>+03</sup>, RSD<sup>+97</sup>, SBBP<sup>+15</sup>,  
 TO95, TBFP04, VHS97, VKGQ<sup>+09</sup>, dLWFB08, Zar16, vdLCS<sup>+11</sup>, JSWB21,  
 Mar18, RHK<sup>+10</sup>, Smi01, Urb20]. **Expeditions** [CGG<sup>+12</sup>, AA15, BIH10,  
 BBB<sup>+07</sup>, BM15, EMG<sup>+15</sup>, FdBGP11, LGK15, MLBB14, PMJ20].  
**experience** [CMB09, GCD<sup>+06</sup>, MML07, Sag18]. **Experiment**  
 [BL01a, GBH<sup>+01</sup>, GSMB01, PLRV22, PSL07, Sha01, AHML95, ASN<sup>+02</sup>,  
 BFF94, BSL08a, BQT08, BT98, BMF<sup>+01</sup>, COS<sup>+16</sup>, CJF<sup>+98</sup>, CSS<sup>+22b</sup>,  
 CMRL11, DH93, FSP<sup>+16</sup>, FSK<sup>+05</sup>, Had11, HLR<sup>+09</sup>, HHH<sup>+93</sup>, HLS<sup>+11</sup>,  
 HTS<sup>+09</sup>, HSH<sup>+08</sup>, HZK<sup>+05</sup>, HDCM95, JLAD95, Jac95b, JCF<sup>+06a</sup>, Kem94,  
 KTP<sup>+05b</sup>, KTB<sup>+05</sup>, KHE<sup>+11</sup>, LWLS98, LAW<sup>+05</sup>, LCS<sup>+06</sup>, LSS<sup>+11</sup>,  
 LSM<sup>+06b</sup>, MFG<sup>+93</sup>, MLS<sup>+06</sup>, MW06, MSH<sup>+07</sup>, MHP<sup>+07</sup>, NOT<sup>+09</sup>,  
 NMH<sup>+06</sup>, PHS<sup>+11a</sup>, PHS<sup>+11b</sup>, PPL<sup>+07</sup>, RDL<sup>+09</sup>, RAS23, RLVF02,  
 STN<sup>+09</sup>, SMY<sup>+98</sup>, SD06a, STF09, STJ<sup>+08</sup>, SHL<sup>+11</sup>, SWLW11, SSI<sup>+09</sup>,  
 TSA<sup>+01</sup>, TA01, TSMS09, VSFF09, WJR<sup>+16</sup>, WTCB09, WTL<sup>+06</sup>, WC06b,  
 WJS<sup>+06</sup>, ZHK<sup>+05</sup>, DMJ93, GG93, LDFS93, WCH<sup>+93</sup>]. **Experimental**  
 [CJF<sup>+98</sup>, GDYW02, GGCM17, Blu01, Bor01, CBC02, KKM<sup>+10</sup>, LB98b,  
 MSA<sup>+14</sup>, PSS<sup>+16</sup>, SYS05]. **Experiments** [KGHA<sup>+01</sup>, ANI09, BBL<sup>+13</sup>,  
 BDO00, CDJ<sup>+22</sup>, CFKS05, CFS09, EBB<sup>+08</sup>, FC09, GJC98, HIN<sup>+02</sup>, JWS01,  
 KNG02, KKNH02, LDBvdB17, LLB<sup>+00</sup>, MLW<sup>+01</sup>, MNB02, ME02, PTO<sup>+16</sup>,  
 SP19a, SESS08, TCM<sup>+22</sup>, VSD<sup>+97</sup>, WW04a, WB01, ZOB<sup>+96</sup>, ŽSN<sup>+18</sup>].  
**explain** [SRY04]. **explains** [LWO<sup>+09</sup>]. **explanation** [LWS21].  
**explanations** [KSBK01]. **Exploitable** [ZSKL19]. **exploitation** [BCG<sup>+22</sup>].  
**exploiting** [NSBL94]. **Exploration** [HB19, RBG18, BIH10, EMEP18,  
 HBV19, HBVG20, HBVG22, MWK<sup>+18</sup>, SS05a, SS05b, TZ09, WAM<sup>+18</sup>].  
**Exploratory** [SCPC98, PFAZL09, SLS<sup>+09</sup>]. **explore** [GBS<sup>+22</sup>, HKAM12].  
**Explorer** [SDGH14]. **Exploring**  
 [DSW20, EP18, GSC<sup>+19</sup>, JFC18, Lut15, MGG<sup>+17</sup>, SCSMT20]. **Export**  
 [BCH<sup>+96</sup>, BLG11, HDCM95, LCE<sup>+23</sup>, MYN<sup>+96</sup>, PSL07, RL97, SVR<sup>+00</sup>,  
 SSH<sup>+11</sup>, VSR<sup>+00</sup>, AML01, AZK<sup>+20</sup>, ACH02, BGKB06, BZvHH00, BBV00,  
 BAH<sup>+95</sup>, BBA<sup>+98</sup>, BBA<sup>+01</sup>, BBD<sup>+03</sup>, CHN<sup>+10</sup>, CEG<sup>+11</sup>, CM99a, CMB99,

Che03, CBB<sup>+00</sup>, DSO<sup>+97</sup>, DEK<sup>+08</sup>, EBB<sup>+08</sup>, FS02, GMS<sup>+02</sup>, GdRGLS04, GS06b, HDPI99, HdBB<sup>+02</sup>, HCG19, IPH<sup>+17</sup>, JLTD11, JCP<sup>+22</sup>, KGKS20, KPPL00, KLM<sup>+02</sup>, KWW<sup>+12</sup>, LGHD20, LB07, LLL<sup>+15</sup>, LGB13, MQ01, MBNRB08, MSF<sup>+22</sup>, MES97, MKH<sup>+05</sup>, MLK<sup>+12</sup>, MSTT07, NISG05, NW01, OPB15, PG07, PAM<sup>+14</sup>, PKZ93, PABH07, PDS00, PRMM<sup>+17</sup>, RSR05, RGH<sup>+24</sup>, RRWR08, RSB<sup>+15</sup>, RBN<sup>+08</sup>, RMPI<sup>+17</sup>, RFB97, SLS<sup>+07</sup>, STJ<sup>+08</sup>, Sch02a, SNB02, STD<sup>+20</sup>, SDCH99, SSS<sup>+11</sup>, SBH<sup>+02</sup>, SZS<sup>+07</sup>, SAB<sup>+07</sup>, SLB<sup>+16</sup>, SHC<sup>+00</sup>, TRH<sup>+08</sup>, TTLP06, TA01, TDC08, VMM<sup>+08</sup>, VMGO<sup>+09</sup>, WN01, Wal94b, WCY05, YHL<sup>+12</sup>, Zel01, ZD97, ZQ97, ZT00, vdLBB<sup>+02</sup>, vdLCS<sup>+11</sup>]. **EXport** [MSH<sup>+07</sup>, MHP<sup>+07</sup>]. **exports** [HCG<sup>+03</sup>]. **exposed** [BTV<sup>+11</sup>]. **exposure** [DMC<sup>+17</sup>, DRRBC16, DM16b, ROC<sup>+21</sup>, SLD<sup>+13</sup>]. **expression** [ETP<sup>+16</sup>, YLD09]. **extant** [RPF<sup>+16</sup>]. **extended** [MSF<sup>+22</sup>]. **Extending** [HM14]. **extensible** [SCQ<sup>+09</sup>]. **Extension** [CBF<sup>+13</sup>, CBF<sup>+16</sup>, DRR<sup>+14</sup>, FSGV<sup>+09</sup>, KFH01, CK10, DJFK<sup>+22</sup>, NI10, PUB<sup>+06</sup>, QC10]. **extensive** [YK16]. **extent** [BBS14, BCVCHW04, KAHS20, NSY04, RPMS95, Tou99, ZWM12]. **extracellular** [DKT<sup>+01</sup>, HD02, KN97]. **extraction** [CHG15]. **extraordinary** [TML<sup>+16</sup>]. **Extreme** [BZ20, HSR<sup>+16</sup>, DCA<sup>+98</sup>, GBI10]. **Exuma** [BBW<sup>+15</sup>]. **Exxon** [ALHP18, EBM<sup>+18</sup>, LMH<sup>+18</sup>, NM18, RP18]. **eye** [PGC<sup>+11</sup>]. **eyeless** [SSAL<sup>+17</sup>]. **Eyre** [BPM18].

**F.** [WTS08]. **face** [SRB<sup>+11</sup>]. **facies** [BH03, DBDT03, KSB<sup>+03</sup>, PGM<sup>+15</sup>, SKdS<sup>+14</sup>, YKY<sup>+07</sup>]. **facilitate** [SP06]. **Facing** [CV17, VLSS<sup>+04</sup>]. **factor** [GGC19, Mil94b, ODR<sup>+09</sup>]. **Factors** [DP07, DC08, EBGCL08, GMK<sup>+08</sup>, HHNK<sup>+04</sup>, PSUH<sup>+16</sup>, BMH08, CLC<sup>+03</sup>, CHG15, CBSS02, Dan95, EGL<sup>+16</sup>, ESWL20, GSMB01, GKGW22, HWTN22, KMOM19, LB18, LTW<sup>+22</sup>, MLS01, MHTZ19, NSH<sup>+10</sup>, RGIH<sup>+06</sup>, SML15, SHB14, SBL<sup>+18</sup>, TDCV<sup>+06</sup>, WC09, ZWC<sup>+15</sup>]. **faecal** [DB02, GHIM04]. **Faeroe** [HvH04]. **failure** [RRK<sup>+20</sup>]. **Fall** [ARW<sup>+04</sup>, KHB<sup>+04</sup>, MGHN01, ALSF<sup>+17</sup>, AGW<sup>+13</sup>, ADG<sup>+08</sup>, BLO04, CdST<sup>+17</sup>, CC03, CCS<sup>+16</sup>, DZ08, EGL<sup>+16</sup>, HSFN13, KJL<sup>+17</sup>, KB15, SSAL<sup>+17</sup>, SSE<sup>+14</sup>, TMBTS09, ZZP04, dBC<sup>+09</sup>, KPPL00]. **families** [FB14]. **family** [CKFC18, CSE<sup>+22</sup>, GO10, GM22, KB15, KGS23, SW09, SKS<sup>+23</sup>]. **Fan** [SSHB03, BMD<sup>+17</sup>, BSS<sup>+17</sup>, Cha03, CRD<sup>+17</sup>, DDB<sup>+17</sup>, GPBV<sup>+07</sup>, MRP<sup>+17</sup>, ODP<sup>+17</sup>, PTD<sup>+17</sup>, PCB<sup>+17</sup>, PDS<sup>+17</sup>, ROB<sup>+17</sup>, RBDO17, SBDB09, SSB<sup>+17</sup>, SDT<sup>+17</sup>, TBC<sup>+17</sup>]. **far** [AM15, MSM10, RDFS WV99]. **Farallones** [SCS<sup>+98</sup>, SSC<sup>+00</sup>]. **Faroe** [BL04, PR05]. **Faroe-Bank** [BL04]. **fasciata** [GPCC<sup>+17</sup>]. **Fasham** [MLB<sup>+10</sup>]. **fast** [CMG<sup>+11</sup>, DKdS<sup>+03</sup>, FMWD07, vdMLB<sup>+11</sup>]. **fast-ice** [FMWD07]. **faster** [RHPR15]. **Fate** [NRM<sup>+99</sup>, BMF<sup>+01</sup>, HKM00, LPFS97, LAW<sup>+05</sup>, LPMS09, MSG<sup>+00</sup>, SVC<sup>+08</sup>, WAC<sup>+09</sup>, YBHM05, ZBvH<sup>+00</sup>]. **Fatty** [Har94, KWPB15, KME18, WWH<sup>+10</sup>, WPB11, EPPR09, Kha18, KYKJ16, MSW<sup>+13</sup>, MKKF18, NCE<sup>+23</sup>, PPYN15, PGFP<sup>+08</sup>, RKM23a, SNIT02, WPFB11, WPSB11]. **Fault** [HBCG14, HTT15, RDC<sup>+18a</sup>, RÇG18, RDC<sup>+18b</sup>, ÇYB<sup>+18</sup>, GPÇ18].



**Fault-control** [HBCG14]. **faulting** [CPW+18]. **faults** [HGK+18]. **Fauna** [SDT+17, ACD+17, BH08, BBAL+20, BPPJ15, BNKJ23, CMH09, DSG+09b, DCH04, DJ15, DFJ18, GBI10, Gri13, HDK08, HRM+18, JSWB21, Jaž15, KGB+11, Kam18, KBKW13, KMM+08, Lin04, Mal04, MMD15, MLH+22, OCG+09, PB08, RMA+20, RLG07, SBBP+15, SRDV07, SRS+15, Sot09, TWG00]. **Faunal** [GLdS+09, MC18a, WR09, AAG02, BJS14, CBNR+09, LG09, LWM+09, MS11, Vri09]. **faunas** [GBLS00]. **Faunistic** [Hil94]. **Faust** [DLHH11]. **Fawn** [VPSL15]. **fCO** [SWB+09]. **Fe** [HSH+13, AA12, GOH+15, GBL+08, HS01, HMW+15, KMSM11, KNN+06, LDD+97, LKTS01, LSS+07, MBHP99, MV99, MV01, MAT+12, MNPT06, NOT+09, NVBJ08, NEN+07, Rai11, VM01]. **Fe-binding** [GBL+08]. **Fe-enrichment** [NOT+09]. **Fe-fertilised** [LSS+07]. **features** [ASV18, ADGA01, BdBJ+14, CRF04, CSG+15, CDM+16, GAP+06, HPS+13, HWCT08, JTK+14, JHS+17, LBMvdB14, LWAS08, LSM+06a, LTH05, NOLASZ04, NDD+14, PGM+15, PBMM14, RSL05, SMBM99, SC16, SGB+08, ZWK+15]. **February** [AE02, BPRS11, CTBNL08, CHU+00, DDK+00, SKH10b, WGB+04, Ano22n, Ano23j, Ano24e, FD98, GR10, HWN+04, KOLA+18, KGdC+18, LCK95, SAM+13, SW01, SKW+04]. **fecal** [ASF+12, DURP03, GS08, LSUB94, TGG+09, WSB08]. **Fecundity** [WTS08, YERT13]. **federally** [DCD+14]. **feed** [Kli09, OSM+20]. **feedback** [WCB08]. **feeders** [DBH+20, GAP+06, KME18]. **Feeding** [CDRB16, DMFD19, GW98, KIN+10, KHT+20, NSLAP+17, Pro09, SHPM14, BEC+96, Bec97, BHC+01, BHB+07, CCM+20, DONF08, EQW+13, EBG+11, GLLC04, GLF+03, GGDF08, GFPM02, HA10, IAA96, LGF03, LH15, LM96, LCR+96, MDTS08, MKS+20, MBM+00, RTC+07, RSR+00, SNH+23, SAVP12, SFPH+08, Zel01]. **female** [CRJ+08]. **females** [RDdL+13]. **Ferret** [CWJ99, DJC+14, EWP+99, GSW99, LUV99, MBMM+99, SHD+14, Sor99]. **ferromanganese** [CH07, Cha03, GNT+17]. **fertilisation** [BBM+08, BMF+01, HS01, LWLS98, LCS+06, MC13, SVC+08]. **fertilised** [ASH+11, ACBMQ08, LSS+07, SLS+07]. **fertilization** [ANI09, BSL08a, BQT08, BABB08, CGSZ13, DVPR06, FC09, HTS+09, HKN+09, LSM+06b, MLS+06, MMT08, MW06, OCL+08, Qué13, STJ+08, SWLW11, SSI+09, TVLB08, TRHA01, TSMS09, WTCB09, WTL+06]. **fertilized** [COV+08, JBM+08, LGO08, TDC08, TNS+09]. **FGOALS3** [DCL+21]. **fidelity** [CRJ+08]. **Field** [NYNK05, STM04a, STM04b, VPA+20, BMB+18, CHH19, CM01, DJCF09, GBB+17, GDIK02, GBO01, HJS+10, HZK+05, HTT15, KL96a, KEA+17, Kyt02a, Led93, LSOM16, MCB+15, MARFP08, OGRdO18, OAH+16, PPR+20a, SSY+05, SRB+11, SKMDR02, SBL+18, SS99b, SS13b, TRM+14, TPP+20, TTL+16, VSV+97, WMB+13, WGR+97, ZLOR02]. **field-based** [TTL+16]. **Field-of-view** [STM04a, STM04b]. **fields** [CSE+22, DIM+12, HRS+23, HAD19, MDI+12, MMC11a, MBS05, MCG+98, PFX+02, SCL+04, ULH+21]. **Fifteen** [ITT12, LTF+19]. **filament** [FMH+02]. **filamentous** [SKH+10a]. **filaments** [JCPC09, TLR+00].

**filippovae** [PNVJ13]. **filled** [KCTG16]. **Filosea** [GBBS00]. **fimbria** [CM16a, CM16b, RDSA+21]. **fin** [BRG17, ESWL20, SHW+04]. **Final** [Ano06b]. **findings** [Bau02, DLB+11]. **Fine** [BHBC08, JWCC99, MKS+20, SGD+14a, aLCS15, MPF+17, NDG96]. **Fine-grained** [JWCC99]. **Fine-scale** [BHBC08, MKS+20, SGD+14a, aLCS15, NDG96]. **finescale** [BASLK04, CD95, Dud06, SCPP05]. **fingerprinting** [ANL13]. **fingerprints** [MZD+11, Pee97]. **finite** [LH06]. **Finland** [LL14, OT10]. **finmarchicus** [BM07, BK96b, CRD01, CPH01, CM01, GGDF08, HK07, LMDW06, MO96, PTS01, RPJ+06, SD06b, ST07, SMG+07, YQMB20]. **First** [BNP+09, BAF+18, BR14, BBW+15, BMSBM+17, CP18b, GMB18, Gol18, Gri13, KJB+08, KGS23, LOB+09, MB18, MGK+17, MGN+18, NHH+13, NKB+18, OBH+18, SBE+07, STFL+13, dMGPT+14, AM18, AM22a, BCNS15, BTLC98, CSE+22, DABF+16, Fir96, GM22, GK16, KWA+20, KFS+17, LDGH16, MG22, MBOvL08, ROBV+18, SRAL+17, STM04a, SSB+06, TOF04, TWD+08, VHS97, VWTK18, WGW+19, YLD09]. **first-passage** [SSB+06]. **first-year** [TWD+08]. **Fish** [AMJRD19, DOLP+09, KPBK08, Mun14, RHZ+03, SVAGRCS04, APMN+17, ADRS19, BGIJ+06, BH08, BLSW05, BHS+19, BHH+14, BMH08, BTR20, BDL+14, CRNP06, CRA+20, CMH09, CTW+20, CSF+12, CSGV13, DLLK15, DSBS20, DC12, DM16b, DSC+19, DBBWH20, ECD06, FARLR+13, FWC+12, FNS20, GMD07, GS06a, GDAMS19, GPCC+17, GKGW22, HCWH00, HBC+12, HSR+22, IMG+19, JRGLJ+19, KOO+24, KBSS93, KMD+11, KBFH14, LCD+24, LTF+19, LRR+04, LDG+23, LCL+22, LWB+07, LLM+17, LZL+22, LTL+23, LTS+13, LRDS18, LMLC+17, LM01, LNDH+17, LOFC00, MSW+13, MHPS19, MRMP09, MGK+17, MBP09, MGN+18, Mun16, NSLAP+17, NA13, NSWY20, NHBM10, OM98, OAH+16, OLP+20, PM10, PK08, PSHF+13, PSUH+16, PPM+17, PFPJ+09, PGPP+13, PBMM14, PDC+21, QSA+09, RWT+20, RAR04, RHPR15, RNP93, SVJRSON04, SVB+19, SDB+19, SSP+09, SM03, SPP22, TP96]. **fish** [TLP+19, UC13, VJP+10, VVM+12, VPdP06, VFFM13, WBD17, WBML06, WAP+18, ZLW+19, Mun16]. **fisher** [LMLC+17]. **Fisheries** [Bro19, Ake19, BRCFP23, CAJE15, EBG+15, HC15, HBC+15, HIA+16, IDSM04, LP19, LS17, MGT+20, MCSF15, MDG13, MPH+16, MHG+17, NA13, NB04, Pas18, RSWG04, RSCFT+13, RSCFT+16, Sum19, YKO15]. **fishers** [BHS+17]. **Fishery** [LPK+17, WGNH15, BRCFP23, DVC14, Ham07, HHMF11, HSR+22, KYW20, JMP+19, TMGLM19]. **fishery-derived** [HSR+22]. **Fishery-independent** [LPK+17]. **fishes** [ABB+01, BMK05, BWOR22, BBB+01, CMC11, CSCP13, CLJ+13, CDT11, DTWF17, DLWW23, DT08, ESG+17, FCBD08, JZX10, KL13, LAJP13, LL13, LBM+20, MCL+19, MMID17, MG13, OB22a, OB22b, PKHH17, PDB+20, RVC+13b, RBS17a, RSW+13, RQRVM10, SPH+08, SWMB10, SLB13b, STS11, WZZ+19, WPFB11, YCA+20, ZWQ+19]. **fishing** [GPF16, MES+23, MSA+14, RH14, JMP+19]. **fit** [Eks07]. **fitting** [TC06].

**five**

[DLKP14, FBB<sup>+13</sup>, Fir96, HBB<sup>+13</sup>, LHZ<sup>+16</sup>, RQM<sup>+08</sup>, SDB<sup>+19</sup>, JSWB21].  
**fixation** [BPD<sup>+11</sup>, FSL<sup>+01</sup>, HBCO01, HSM<sup>+01b</sup>, OLG<sup>+01</sup>, PHH<sup>+06</sup>,  
 RWR<sup>+02</sup>, SLB13a, TWPP07]. **fixed** [PHD<sup>+18</sup>]. **fixing** [JJVH18]. **fjord**  
 [dSVC<sup>+14</sup>, Fer06, TBSP<sup>+18</sup>]. **fjords** [HA10, PS04a]. **Flabellum** [WTS08].  
**flagellate** [BN97]. **flagellated** [SDMC03]. **flagellates** [TB98, ŽSN<sup>+18</sup>].

**flank**

[CRD01, IAA96, LM01, LBB<sup>+06</sup>, MC06, MPPR14, MT96, RYT01, SMS01].  
**flanks** [KBW<sup>+11</sup>]. **flatfish** [WSB13]. **flatfishes** [ZRG16]. **flavescens**  
 [RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>]. **flavours** [DVCG<sup>+12</sup>]. **fleet** [MWT<sup>+17</sup>, WSP19].  
**fleets** [LFKF<sup>+17</sup>]. **flexibility** [BCBB12]. **flexible** [MNPT06].  
**flexible-composition** [MNPT06]. **flexion** [GLCU<sup>+17</sup>]. **Flight** [GMD07].

**Flo** [SHF<sup>+95</sup>]. **Float**

[RF99, BB03, BS05, BS06, CDDC03, KMG<sup>+20</sup>, PK13, SGL99, SS13b].  
**floaters** [IPH<sup>+17</sup>]. **floating** [CVF11, SSG<sup>+11</sup>]. **floats**  
 [CWS<sup>+23</sup>, CMRI13, Fre13, GMCR18, Gou05, HMSMK04, KK20, KOR06,  
 PR05, RG03, SRBR05, WXL<sup>+23</sup>]. **flocculation** [MZR<sup>+95</sup>]. **flock**  
 [RMBW07]. **floe** [HNW<sup>+08</sup>, HEW15, PCL22, SWH08, TKF16]. **floes**  
 [LKJ<sup>+15</sup>, THT11]. **flooding** [BSG<sup>+11</sup>]. **floor** [AS02b, BS98, IATK17,  
 KHL<sup>+01</sup>, LSM<sup>+06a</sup>, RHD<sup>+11</sup>, RSdV<sup>+09</sup>, RBP<sup>+94</sup>, SBG<sup>+98</sup>, WL02]. **flora**  
 [KPPL00]. **Florida**

[LWL<sup>+24</sup>, LWZ<sup>+23</sup>, NWZL23, SWLL23, WKM<sup>+07a</sup>, CLW<sup>+23</sup>, WZL<sup>+16</sup>].

**flotsam** [GMCR18]. **flounder** [DDAH<sup>+14</sup>, DMH19, SCH<sup>+19a</sup>]. **Flow**  
 [BSN18, CDDC03, EB01, PWP<sup>+05</sup>, Pin93, vGFGS02, BSX<sup>+15</sup>, Ben13,  
 BFK<sup>+14</sup>, DO96, FGB10, GPC<sup>18</sup>, GPC14, HRT14, HFK<sup>+02</sup>, IHI<sup>+97</sup>, JS14,  
 Jur20, LVJC17, LS04, LH06, LWC05, LAPL<sup>+16</sup>, MTB09, MPI07, MBS05,  
 MSNL09, MSK<sup>+19</sup>, NLSL09, OSCS00, PPT<sup>+10</sup>, QC10, RG03, RWN<sup>+08</sup>,  
 SSY<sup>+05</sup>, SOS01, SJL05, SM23, SS99b, TWL<sup>+15</sup>, TMC04, TS03, WGR<sup>+97</sup>,  
 WEB93]. **Flow-induced** [EB01]. **flows** [Abr19, Bas19, CA06a, HBSL01,  
 HB05, LDV<sup>+02</sup>, PS20, Uml05, VS99, Web19, WCL22, vOSG<sup>+11</sup>].

**fluctuation** [PC18]. **fluctuations**

[DBC<sup>+19</sup>, GNHS05, Led93, LB93, LZB96, MALT05, PC00, SHN<sup>+07</sup>]. **Fluid**  
 [GPC<sup>18</sup>, ACBV<sup>+18</sup>, CSG<sup>+15</sup>, CPW<sup>+18</sup>, FC15, HGK<sup>+18</sup>, Joh19, OGG<sup>+15</sup>,  
 SO98]. **Fluids** [RÇG18, iTT<sup>+15</sup>, PFC09, PFAZL09, SLS<sup>+09</sup>, VB98].

**Fluorescence**

[GdRGH<sup>+14</sup>, HWS<sup>+98b</sup>, MT96, WLC99, YCN<sup>+10</sup>, CZVR02, DN97, DPS<sup>+11</sup>,  
 DPY14, MGT16, NRH<sup>+06</sup>, OSCS00, SMS20, VKG93, VLR<sup>+02</sup>, YAS<sup>+93</sup>].

**Fluorescence-based** [WLC99]. **fluorometry** [CMG<sup>+11</sup>]. **flushing**

[GBG15, LBY<sup>+10</sup>]. **Flux**

[AS01b, BNM08, BHJ99, CRR01, DD06, Heb00, KHH<sup>+17</sup>, LMB<sup>+98</sup>, SBCH02,  
 SAM<sup>+00</sup>, TBB<sup>+08</sup>, WCH<sup>+93</sup>, WC02, ABD<sup>+13</sup>, ANL13, ACH02, AE02,  
 AAMF<sup>+02</sup>, AKBD13, Ano08, AMH<sup>+01</sup>, BCH<sup>+96</sup>, BHMK08, BFL00, BAH<sup>+95</sup>,  
 BTS<sup>+08</sup>, CAFK03b, CRP<sup>+05</sup>, CFT<sup>+04</sup>, CCC<sup>+03</sup>, CDH<sup>+00</sup>, DURP03,  
 DSvR<sup>+18</sup>, DB02, DWW<sup>+02</sup>, FBS94, FL02, FUGG<sup>+09</sup>, FS02, FPB04, GS08,

GPK02, GZZC10, GK02, HTS<sup>+09</sup>, HH93, HMW00, HHD<sup>+09</sup>, HFP94, HRM<sup>+11</sup>, HDW<sup>+20</sup>, ILWH03, IPH<sup>+17</sup>, JB01, KAW<sup>+16</sup>, KCD<sup>+96</sup>, KH02, KRF01, KFF<sup>+94</sup>, KPPL00, KCY<sup>+16</sup>, KSU<sup>+08</sup>, KSS00a, LBV<sup>+08</sup>, LNJ<sup>+00</sup>, LSdC<sup>+10</sup>, LSUB94, LL01, LMA08, LAC<sup>+09</sup>, MQ01, MY99, MHG<sup>+04</sup>, MFG<sup>+93</sup>, MW99, MHA<sup>+01</sup>, MDTS08, MDT<sup>+08</sup>, MBM<sup>+00</sup>, MKH<sup>+05</sup>, MBT97, MSB96, MKVT<sup>+04</sup>, MYN<sup>+96</sup>, NGM<sup>+20</sup>, NFD<sup>+02</sup>, OTOH05, OT12, PFP02, PP93, PFW<sup>+09</sup>, PLPS98, PF06, PDY20, RLPF07, RWRS08, RL97, RSR<sup>+00</sup>]. **flux** [RBH<sup>+20</sup>, SSH<sup>+02</sup>, SH00, SE96, SF11, SFG98, SMB02, SZG<sup>+13</sup>, SDCH99, SBD<sup>+97</sup>, SGM<sup>+02</sup>, SAM96, TSS<sup>+02</sup>, TSW<sup>+09</sup>, TRWB99, TMW<sup>+05</sup>, WN01, WCB08, YZZ<sup>+16</sup>, YZ00, vdLCS<sup>+11</sup>, KND<sup>+08</sup>, NKD<sup>+08</sup>]. **Fluxes** [AMN<sup>+02a</sup>, BA94, CB00b, GSK02, RH99, ADV<sup>+01</sup>, ASBM02, ÁRR02, AKH<sup>+02</sup>, And00, ALH<sup>+01</sup>, BGS98, BS03, BCBF03, BH99a, BZvHH00, BLC<sup>+08</sup>, CTBNL08, Car07, CCP<sup>+18</sup>, CWB02, CRR01, DZBR95, DAA<sup>+20</sup>, DOBH02, DLF<sup>+09b</sup>, DZ08, DC96, ETDB11, FWG<sup>+97</sup>, FRW00, FGW02, FCP99, GCS<sup>+12</sup>, GRS00, GMR<sup>+05</sup>, GBP00, GHIM04, GRSW00, HTD00, HLG<sup>+21</sup>, HBT<sup>+08</sup>, HMS<sup>+13</sup>, HAF<sup>+15</sup>, HZS00, HdMR<sup>+99</sup>, HIN<sup>+02</sup>, HBCC13, HM93, HDPI99, HFM<sup>+00</sup>, HBCO01, HWS<sup>+13</sup>, HWC07, ITT12, IOK03, IGP<sup>+06</sup>, ITMG18, KOLA<sup>+18</sup>, KTL<sup>+00</sup>, KMD<sup>+01</sup>, LRGH<sup>+05</sup>, LGHD20, LBL08, LBM98, LFM02, LMB<sup>+98</sup>, LPW<sup>+09</sup>, LSB07, LCE<sup>+23</sup>, MPE<sup>+09</sup>, MRRG23, MISC<sup>+02</sup>, MDM<sup>+13</sup>, MYE<sup>+02</sup>, MW06, NISG05, NKA<sup>+11</sup>, OTH05, PIP<sup>+02</sup>, PKR<sup>+01</sup>, PDC<sup>+99</sup>, PAM<sup>+14</sup>, RLH<sup>+03</sup>, RS02, RHPC<sup>+19</sup>, SCGDU09, STJ<sup>+08</sup>, Sch02a, SBD05, STD<sup>+20</sup>, SSLA95, SHFM01, SK02, SMD08, SKGD14, SDLZ13, SZB<sup>+19</sup>]. **fluxes** [SSH<sup>+00</sup>, Tan03, TMP<sup>+19</sup>, Thu98, TBBM03, TTA<sup>+16</sup>, UIS<sup>+03</sup>, VBM97, WPHL02, WJS<sup>+10</sup>, WWC<sup>+99</sup>, WTL<sup>+06</sup>, WSB<sup>+09</sup>, XA09, YZZ<sup>+19</sup>, YHL<sup>+12</sup>, ZDA<sup>+16</sup>, Zül05, vWDB<sup>+01</sup>]. **focal** [MT98]. **focus** [DNR20, GBP21, KGB16, VVV04a]. **focusing** [LMS09]. **focussing** [RT20]. **fog** [CHN<sup>+18</sup>]. **following** [Bak98, BSL<sup>+96</sup>, BM15, EBM<sup>+18</sup>, HSB<sup>+16</sup>, MGNB96, PR05, RP18, WPJW96, ZDA<sup>+16</sup>, ZJA16]. **fondness** [BLS09]. **Food** [ADV<sup>+01</sup>, DRD06, DGK10, GNB<sup>+17</sup>, NA13, PCP<sup>+17</sup>, SMD06, SAM<sup>+12</sup>, WMH<sup>+07</sup>, WAV<sup>+12</sup>, ABC<sup>+05</sup>, ASF<sup>+12</sup>, AMK<sup>+05</sup>, AM07, BFSK08, BFM<sup>+14</sup>, BHC<sup>+01</sup>, CRD01, COV<sup>+08</sup>, CNOC13, CS20, DSN<sup>+20</sup>, DBS98, EMV09, FBBW<sup>+10</sup>, FHT<sup>+14</sup>, FTT<sup>+17</sup>, GGH<sup>+00</sup>, GSM<sup>+08</sup>, GGCM17, HS01, HFK<sup>+02</sup>, HWCT11, HAM<sup>+15</sup>, IBD10, JCF<sup>+06b</sup>, JSM<sup>+16</sup>, KYW20, LK98, LRN<sup>+14</sup>, MAH<sup>+12</sup>, MMTT<sup>+20</sup>, MD17, MKKF18, PTO<sup>+16</sup>, PDS<sup>+17</sup>, PDTS08, RJDR06, RWN<sup>+08</sup>, Row13, SVR<sup>+00</sup>, SS09, SCSMT20, SLLT10, Thi05, TVL<sup>+00</sup>, TWG00, VS99, VSR<sup>+00</sup>, VM13, WLM23, WWH<sup>+10</sup>, WGNH15, WTI<sup>+20</sup>, Wit00, WYT19, WPB11, vOSG<sup>+11</sup>, BH19b]. **Food-web** [ADV<sup>+01</sup>, DGK10, CNOC13, HAM<sup>+15</sup>, IBD10, KYW20, TVL<sup>+00</sup>]. **FOODBANCS** [MDTS08, SMD08, SD08]. **foodweb** [BLOM93, DFK<sup>+06</sup>, HKAM12]. **foodwebs** [TPW<sup>+16</sup>]. **footed** [WSP19]. **footsteps** [BM15]. **forage** [APMN<sup>+17</sup>, DSBS20, GFCS04, GMD07, GS06a, HBC<sup>+12</sup>, MHPS19, PSHF<sup>+13</sup>, PSUH<sup>+16</sup>, RMA<sup>+20</sup>, SPP22]. **Foraging** [BWOR22, CRJ<sup>+08</sup>, FEB<sup>+13</sup>, GHM18, MdSLH13, NBCT13, RSCFT<sup>+13</sup>,

RSCFT<sup>+16</sup>, RDdL<sup>+13</sup>, SSB<sup>+06</sup>, BCF<sup>+04</sup>, CTH<sup>+98</sup>, ERPF11, ECM<sup>+06</sup>, FMWD07, GBC<sup>+13</sup>, GMD07, GS06a, HCZ<sup>+07</sup>, HAGW<sup>+13</sup>, JHHK14, LGP<sup>+15</sup>, MCBC08, POI17, PNVJ13, PWB<sup>+06</sup>, RG06a, SGD<sup>+14a</sup>, SMA<sup>+17</sup>, TCEW07, VGGLB15, Wei07, WLR<sup>+00</sup>. **foraminifer** [BW99a]. **Foraminifera** [LEP14, VVTK18, AKHR<sup>+20</sup>, BGB08, BS21, BJS14, BRPH20, CB00b, DFA<sup>+20</sup>, FDR<sup>+18</sup>, GSB<sup>+03</sup>, HSC<sup>+07</sup>, Kha18, KSS<sup>+00b</sup>, KKNH02, LVP13, LH07, MHG<sup>+04</sup>, MC18a, PFdSG11, SSR<sup>+14</sup>, SP06, SNK07, WMW96, CDL94, GBLS00, GdSP11, GAJ<sup>+13</sup>, LVP15, PBG07]. **Foraminiferal** [LG09, AKI<sup>+16</sup>, CRM<sup>+16</sup>, DJC<sup>+14</sup>, GBSL98, GMBL10, Hus16, JBD<sup>+09</sup>, KNG02, KTL<sup>+00</sup>, SSSN19, SH00, SBL<sup>+07</sup>, SKdS<sup>+14</sup>, vGCM00]. **foraminiferan** [GHG<sup>+04</sup>, GCKC07]. **foraminiferan-like** [GCKC07]. **foraminiferans** [CCBL14, CG04, GLdS<sup>+09</sup>, WPB11]. **foraminifers** [SWZA02]. **forays** [BG09b]. **forbesii** [SMV<sup>+13</sup>]. **force** [LZS<sup>+18</sup>]. **Forced** [WWL02, DKJ13, LDG94, PPL<sup>+19</sup>]. **forces** [MSM<sup>+02</sup>]. **Forcing** [MMH<sup>+08</sup>, BDF00, BV98, BA02, CLC<sup>+98</sup>, CDRA08, CHH<sup>+21</sup>, CMJ<sup>+18</sup>, DS21, DWBP13, DD15a, DD15b, EHL02, ERR97, FLLGR04, FHW06, GWR93, GO15, HSR<sup>+23</sup>, HHW<sup>+08</sup>, HKC<sup>+21</sup>, HH05, JKN<sup>+05</sup>, KRG<sup>+01</sup>, LBC<sup>+98</sup>, LJBF00, MPL15, MHA<sup>+15</sup>, OACA19, OWD13, OBA02, Roy05, SMZ<sup>+08</sup>, ST13, TGFP02, VTA<sup>+11</sup>, WCC05, WBO07, WBJ<sup>+98</sup>, Yu03, ZXH<sup>+13</sup>, ZT00]. **Forcipulatacea** [Mah16]. **Forecast** [STP<sup>+16</sup>, CWL<sup>+23</sup>, LWZ<sup>+23</sup>]. **forecasted** [SABP<sup>+16</sup>]. **Forecasting** [HLR<sup>+09</sup>, TFP<sup>+16</sup>, BHS<sup>+17</sup>, CLF<sup>+09</sup>, CFZ<sup>+18</sup>, KAM<sup>+14</sup>, MPM<sup>+16</sup>, PDB<sup>+16</sup>, PPL<sup>+07</sup>]. **Forecasts** [HSSH23, HGB<sup>+13</sup>]. **foresight** [TSA<sup>+01</sup>]. **Foreword** [RP18, Sch02b, Sch03, IBW01]. **form** [BG10, MMHB98]. **Formation** [CBF<sup>+13</sup>, CBF<sup>+16</sup>, CMPB18, JLM20, Pas16, TKF16, AAG19, AKBD13, BHAL13, Cha07, DSK<sup>+13</sup>, GWL<sup>+15</sup>, GF07, Gol93, HRSJ23, HB03, HHR<sup>+08</sup>, JCPC09, JTDG13, JVL<sup>+16</sup>, KM05b, Las93, LPA<sup>+95</sup>, MML06, MDM<sup>+13</sup>, MCM06, NEO<sup>+07</sup>, OS02, RPM07, RKHK<sup>+11</sup>, SSWM18, SPB<sup>+14</sup>, VPA<sup>+20</sup>, VS10, WOM<sup>+16</sup>, YLU<sup>+14</sup>, You10, ZAC<sup>+15</sup>, ESA<sup>+09</sup>, PPR07, Sch07]. **formed** [GZGH22]. **forming** [HZMH07, LB14, SKH<sup>+10a</sup>]. **forms** [BN05, YET06]. **formulations** [PPS<sup>+16</sup>]. **Fort** [HGM<sup>+11</sup>]. **fortunata** [MCB<sup>+15</sup>]. **forward** [AGHS04, TP02b, TP02a]. **fossil** [DSE<sup>+14</sup>, RSdV<sup>+09</sup>, WCSA<sup>+16</sup>]. **Foster** [BS03, CRBK03, CKL03, KFG<sup>+03</sup>, KRW03, KL03, LT03, RHZ<sup>+03</sup>, SGD<sup>+03</sup>]. **found** [IATK17, JS14, NRSL17]. **foundation** [CBHF10]. **Four** [SGM<sup>+02</sup>, CK03, CDM23, CLSS15, GGO<sup>+14</sup>, HKMS03, IOTS16, JZX10, JNB17, KC03, KMK<sup>+20</sup>, KMKA20, LW04, MKD<sup>+20</sup>, OBC<sup>+14</sup>, SKKM20, Thi05, WBO07, Wit00]. **four-dimensional** [HKMS03]. **four-member** [Thi05]. **Four-year** [SGM<sup>+02</sup>]. **Fowler** [MMN10]. **fractal** [LL95]. **fractionated** [CLSS15, DPS<sup>+14</sup>, FPB04, JPSB93, LOA15, OBM<sup>+93</sup>, PTD<sup>+14</sup>, RWR<sup>+02</sup>, SG99, SH99c, TDKA05, VFS02, VvdLS11]. **fractionation** [EWBW99, vdMLB<sup>+11</sup>]. **fractions** [CD20, DTP<sup>+05</sup>]. **Fracture** [BFB<sup>+18</sup>, CSGV13, CSCP13, CLJ<sup>+13</sup>, CLB13, DAB<sup>+18</sup>, DHST13,

EQW<sup>+13</sup>, FVW08, GLMB18, KJB<sup>+08</sup>, LAJP13, LS18, MSW<sup>+13</sup>, PBB<sup>+13</sup>, RKB18, SLB18, SWL<sup>+18</sup>, SAM<sup>+13</sup>, BSJ13, BBT<sup>+18</sup>]. **Fragilariopsis** [DVS<sup>+97</sup>, HPN<sup>+12</sup>, NGM<sup>+20</sup>]. **fragment** [MN10]. **Fram** [BSKD<sup>+07</sup>, Heb00, SH99a, SH99b]. **framework** [FO05, GBS<sup>+22</sup>, KG20, MTR<sup>+10</sup>, MGT<sup>+20</sup>, Pas18, RAS23, SM12, SCQ<sup>+09</sup>, TAB<sup>+16</sup>]. **France** [NC97, CMP14, FGF<sup>+14</sup>, MBMM<sup>+99</sup>, VHC<sup>+17</sup>]. **Frank** [Ano19]. **Frederick** [Lut09, SPS<sup>+09</sup>]. **Free** [LRH<sup>+11</sup>, SSH<sup>+11</sup>, Smi11, BTLC98, CVF11, DFMW13, DI00, ETDB11, FMZ15, GGO<sup>+14</sup>, HKSV11, HSM11, KRS<sup>+11</sup>, LWW<sup>+15</sup>, MRE<sup>+11</sup>, PFW<sup>+09</sup>, RVS11, REWH11, SCM<sup>+02</sup>, SRH<sup>+11</sup>, SRB<sup>+11</sup>, SHM<sup>+11</sup>, SSS<sup>+11</sup>, SSG<sup>+11</sup>, TLF97, VVV04b, VSC<sup>+11</sup>].

**Free-Drifting** [SSH<sup>+11</sup>, LRH<sup>+11</sup>, Smi11, ETDB11, HKSV11, HSM11, KRS<sup>+11</sup>, MRE<sup>+11</sup>, PFW<sup>+09</sup>, RVS11, REWH11, SRH<sup>+11</sup>, SRB<sup>+11</sup>, SHM<sup>+11</sup>, SSS<sup>+11</sup>, VSC<sup>+11</sup>].

**free-floating** [CVF11, SSG<sup>+11</sup>]. **free-living** [FMZ15, LWW<sup>+15</sup>, VVV04b].

**free-ranging** [BTLC98, DFMW13]. **freeboard** [SHW<sup>+16</sup>]. **French** [DMC<sup>+17</sup>, DLW<sup>+17</sup>, FPB<sup>+14</sup>, LPA<sup>+17</sup>, LAB<sup>+17</sup>, Mar02]. **French-JGOFS** [Mar02]. **frequency** [BCT21, BWS<sup>+98</sup>, CLB13, CMJ<sup>+18</sup>, GPC14, GKBG17, HZW<sup>+23</sup>, KRGT14, LDV<sup>+02</sup>, LWSA08, PCT18, SLP<sup>+09</sup>, SPF<sup>+94</sup>, UY04].

**Frequent** [SSHB03]. **fresh** [Cra05, IIM<sup>+09</sup>, KFW01, SSB<sup>+17</sup>]. **Freshening** [ACSG15, KNK15, KxF22, RAC<sup>+20</sup>]. **Freshwater** [HCG19, JCP<sup>+22</sup>, WDR05, AVS<sup>+20</sup>, Car07, DHS<sup>+09</sup>, DRS10, MBW<sup>+08</sup>, PSWF19, SP19a, SF11, SMB02, SJM02, SBS<sup>+02</sup>, vWMR<sup>+17</sup>].

**Frictional** [Gar04]. **Fridtjof** [RAB<sup>+17</sup>]. **fringing** [HKY<sup>+13</sup>, LWSZ13, ZHY<sup>+13</sup>]. **Front** [Ano17f, Ano17g, Ano17h, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, CSP05, CP02, DPS<sup>+11</sup>, JDD<sup>+11</sup>, KMD<sup>+01</sup>, NGS<sup>+15</sup>, NDD<sup>+14</sup>, SH02, SBvdL<sup>+02</sup>, SLB13b, vdLBB<sup>+02</sup>, AAB<sup>+97</sup>, ACG19, BKD06, BCKH07, CCM15, DL01, EB01, JLTD11, JMN<sup>+15</sup>, Joh96, KHS<sup>+02</sup>, KT06, LM01, LBB<sup>+06</sup>, MKT<sup>+15</sup>, MRD13, MXC15, MT96, PRA<sup>+95</sup>, PBB<sup>+13</sup>, RJM<sup>+15</sup>, SHWW22, UGSK<sup>+20</sup>, WOU06, XZM<sup>+23</sup>, YO96, YLH<sup>+10</sup>, AS02a, AGS<sup>+02</sup>, Bai09, BVB14a, BVB<sup>+14b</sup>, BHJ<sup>+14</sup>, BL01b, CSW<sup>+17</sup>, DURP03, DO01, DLB02, DSJ<sup>+11</sup>, FGW02, FS07, GSK02, HMH<sup>+02</sup>, JSSW14, LSB<sup>+02</sup>, MAB<sup>+01</sup>, MLBB14, NGS<sup>+15</sup>, PH17, PRMM<sup>+17</sup>, RGTV97, RTB02, RPA07, RPZ<sup>+14</sup>, RFB97, SM00, SWZA02, SLA<sup>+01</sup>, SHB14, SAM05, SKMDR02, SGB<sup>+02</sup>, SWGPK17, TPS<sup>+15</sup>, URDP01, WZB<sup>+14</sup>, vFvdBB<sup>+02</sup>]. **Front-Current** [AGS<sup>+02</sup>].

**Frontal** [ARLB00, ARNB01, AF01, BGDT11, CEG<sup>+11</sup>, ETDB11, FBCN00, HPM02, LBR<sup>+11</sup>, TLK<sup>+02</sup>, WGWW11, You10, BvWR<sup>+20</sup>, BWC<sup>+02</sup>, CHSVB<sup>+19</sup>, DSN<sup>+20</sup>, FSK<sup>+02</sup>, HFP94, MT15, MNV<sup>+20</sup>, Mun14, Mun16, PG97, PPRL02, SGA<sup>+15</sup>, SRHP23, SRY04, SGP<sup>+02</sup>, TP96, WCL22, CHR97].

**frontier** [SBL<sup>+18</sup>, WAM<sup>+18</sup>]. **frontiers** [HD17, Lut15]. **Fronts** [BPRS11, BHH<sup>+14</sup>, HLZY10, VMAW12, BH15, BY04, CC15, HZZ10, JCPC09, aLCS15, LNDH<sup>+17</sup>, MDSA19, MB01, MST<sup>+14</sup>, Mun14, Mun16, MHM<sup>+14</sup>, NBCT13, PS19, PRP15, PO15, RAF<sup>+11</sup>, SGD<sup>+14a</sup>, SA14, SGW<sup>+15</sup>, SBA<sup>+20</sup>, TNT<sup>+15</sup>, TSB<sup>+14</sup>, VPS97, WH01a, ZPG14]. **FRS** [MLB<sup>+10</sup>]. **FRUELA** [AE02, CAMA<sup>+02</sup>, LAF<sup>+02</sup>, PIP<sup>+02</sup>]. **frustule**

[AWL<sup>+</sup>09, MGC<sup>+</sup>14]. **frustule-bound** [MGC<sup>+</sup>14]. **fry** [BRCFP23]. **Fuca** [DCS<sup>+</sup>18, MTB09]. **fueling** [CGM<sup>+</sup>07]. **fuelled** [SAVP12]. **fuels** [AMvD<sup>+</sup>12, GAL<sup>+</sup>12, GAL<sup>+</sup>20]. **fugacity** [WTL<sup>+</sup>06]. **Full** [SIFS10, TR02, Ang10, RPS<sup>+</sup>11]. **Full-depth** [SIFS10, TR02, RPS<sup>+</sup>11]. **fulmar** [EQW<sup>+</sup>13]. **fumaroles** [BAKF03]. **function** [IS07, MBP<sup>+</sup>20, SH16, SCSMT20, VPdP06]. **Functional** [GLF<sup>+</sup>03, APB<sup>+</sup>09, CCK<sup>+</sup>16, HLA<sup>+</sup>06, IBK<sup>+</sup>11, JBR<sup>+</sup>18, KRHS20, Mah16, MARFP08, SHY10, YLD09]. **functioning** [CHS17, HWJ20, MBT<sup>+</sup>14, MKD<sup>+</sup>20, MCD<sup>+</sup>09, PCP<sup>+</sup>17, RBDO17]. **fundamental** [GDIK02]. **Fundy** [ER05, MPH<sup>+</sup>05, MLH14]. **fundyense** [ASK<sup>+</sup>05, AKM<sup>+</sup>05, AKK<sup>+</sup>14, Ano05a, ABS<sup>+</sup>14, BFK<sup>+</sup>14, BAD<sup>+</sup>14, DPS<sup>+</sup>14, DTP<sup>+</sup>05, ER05, KCMA05, KCA05, LLK05, MPH<sup>+</sup>05, MLH14, MAST05, MALT05, MTK<sup>+</sup>14, MBC<sup>+</sup>14, PTD<sup>+</sup>14, PKA05, SKM14a, SMSA05, TBT05, TPT05, TMTR14, TDKA05, VCM<sup>+</sup>14]. **Fungal** [NMN<sup>+</sup>17]. **Fungiacyathus** [WF13]. **furcilia** [VMF<sup>+</sup>16]. **Furrow** [BRSB16]. **Further** [LCL<sup>+</sup>09]. **fusiformis** [RMBW07]. **Future** [WOS12, AS01a, AKK<sup>+</sup>14, ASBR17, BMR<sup>+</sup>14, DABF<sup>+</sup>16, EEAA<sup>+</sup>19, HBSL01, HHMF11, HGB<sup>+</sup>16, HAE<sup>+</sup>15, HMHY11, LTF<sup>+</sup>19, LAGK<sup>+</sup>18, LBM09, MBT<sup>+</sup>14, MGG<sup>+</sup>17, MHG<sup>+</sup>17, PDC<sup>+</sup>21, RDW<sup>+</sup>22, WWC<sup>+</sup>19, XGF18].

**G** [Ano97b]. **G**. [dLWFB08]. **GA** [BAC<sup>+</sup>15]. **GA-03** [BAC<sup>+</sup>15]. **GA03** [BSS15, JSBC15, SSUB15, FCW<sup>+</sup>15, HMW<sup>+</sup>15, HAF<sup>+</sup>15, JM15, RSB<sup>+</sup>15]. **Gabon** [CBNR<sup>+</sup>09, vCO09]. **Gadidae** [EGOO22, EBG<sup>+</sup>22]. **gadids** [CSS<sup>+</sup>22a]. **Gadiformes** [EGOO22]. **gadoid** [Mun14, Mun16]. **Gadus** [BZS<sup>+</sup>16, BD06, CCC<sup>+</sup>23, Dri09, DABF<sup>+</sup>16, EZB<sup>+</sup>20, EBG<sup>+</sup>22, EMB<sup>+</sup>22, FHAH16, GEP<sup>+</sup>16, HSC<sup>+</sup>19, IAA96, JGM09, KVS<sup>+</sup>09, MMS<sup>+</sup>19, MES<sup>+</sup>23, MDH16, MZH16, NHCL14, RG06a, RG06b, SRFR07, SCD<sup>+</sup>22, SH16, SHPM14]. **gain** [LWJR22, PTO<sup>+</sup>16]. **gained** [BVB14a]. **Galapagos** [SCC98, HTML98, HWS<sup>+</sup>98a, LCK<sup>+</sup>18, MYL<sup>+</sup>98, SMY<sup>+</sup>98, VAMPR<sup>+</sup>17, Pal04, SWB<sup>+</sup>18]. **Galatheidæ** [CRT<sup>+</sup>00]. **Galattheoidea** [CNM17]. **Galicia** [CPF<sup>+</sup>14]. **Galiteuthis** [SRS<sup>+</sup>20]. **Galway** [LDBvdB17]. **Game** [FSP<sup>+</sup>16, GGM<sup>+</sup>16]. **gamma** [STWW01]. **gammarid** [AGD96]. **Ganga** [CRP<sup>+</sup>05]. **gannets** [GMD07, SGD<sup>+</sup>14a]. **GAO3** [JLL<sup>+</sup>15]. **Gap** [LC16, LCS16]. **garden** [HCBL<sup>+</sup>17, VSFF09, dMGPT<sup>+</sup>14]. **Garveia** [SC15]. **Gary** [HWWM19]. **Gas** [SE96, EMEP18, GHD<sup>+</sup>18, HLS<sup>+</sup>11, JKB04, KWN<sup>+</sup>09, MS18, RDC<sup>+</sup>18a, RDC<sup>+</sup>18b, ROBV<sup>+</sup>18, SHL<sup>+</sup>11, SBL<sup>+</sup>18, WPB<sup>+</sup>16, WAM<sup>+</sup>18]. **Gascoyne** [HWTP07]. **Gastropoda** [CKFC18, CSE<sup>+</sup>22, NCK<sup>+</sup>22, SBE<sup>+</sup>07]. **gastropods** [CKFC18, FHK18, GFS15, JBOH10, SWZA02, SBB<sup>+</sup>11, WB09]. **Gateway** [MWFS17]. **gaudichaudii** [WT12]. **gauntlet** [SCH<sup>+</sup>19b, SCH<sup>+</sup>19a]. **Gaviera** [SGPD<sup>+</sup>14]. **gazella** [AHB<sup>+</sup>17]. **Gdansk** [BRSB16]. **gear** [HKY<sup>+</sup>13]. **GEBRAP96** [CR06]. **gel** [RSF<sup>+</sup>99, VS10]. **Gelatinous** [SHM<sup>+</sup>20, MCCM<sup>+</sup>98, YSHS08]. **gelbstoff** [VLR<sup>+</sup>02]. **gen** [CAK15, MB07a, SM15, UC13]. **Gene**

[BMB<sup>+</sup>18, LVJC17, ETP<sup>+</sup>16, EGOO22, EBG<sup>+</sup>22, JBR<sup>+</sup>18, XGL15]. **genera** [BVL04, BV04, CP18b, LdSN<sup>+</sup>18]. **General** [AKM<sup>+</sup>05, CDJ<sup>+</sup>22, DGP20, GG02, Hei02, KIY<sup>+</sup>05, NP03, VIY02, WMC06, WBA03]. **generalised** [BDL<sup>+</sup>14]. **Generalization** [Abr19]. **generalized** [KMD<sup>+</sup>11]. **generated** [Che02, CHG15, JMW<sup>+</sup>20, LH06]. **generating** [MC12, MTWH04, Rog00]. **generation** [ASM06, DFC05, PHM06, SA02, SAK05, SPW<sup>+</sup>22, SHA04]. **genes** [CCK<sup>+</sup>16, MHC<sup>+</sup>10, RSF<sup>+</sup>99, YLD09]. **genesis** [ÇYB<sup>+</sup>18, CSG<sup>+</sup>15].

### **Genetic**

[ASMM11, CRT<sup>+</sup>00, MMN10, BLBW<sup>+</sup>11, BK96b, CSM13b, FRBB10, HD17, MN10, PBG07, RLB18b, RCCP13, SWK<sup>+</sup>23, VVM<sup>+</sup>12, VWTK18]. **genetics** [BTM<sup>+</sup>98]. **Genome** [XSL<sup>+</sup>17]. **Genome-wide** [XSL<sup>+</sup>17]. **genomes** [FB14]. **genomic** [XZW<sup>+</sup>19]. **genomics** [NTA<sup>+</sup>10, XSL<sup>+</sup>17]. **genus** [ADE22, BDR16, CSE<sup>+</sup>22, CB18, CRT<sup>+</sup>00, DFD<sup>+</sup>11, DQC14, ELG<sup>+</sup>22a, ELG<sup>+</sup>22b, GJ11, HRS<sup>+</sup>23, KBK<sup>+</sup>18, LMS15, MNN10, MM15, MFS<sup>+</sup>23, OKH<sup>+</sup>22, TY98, UC13, VVV04b, XZW<sup>+</sup>19]. **geo** [KFS<sup>+</sup>17]. **geo-** [KFS<sup>+</sup>17].

### **Geochemical**

[FDP<sup>+</sup>14, GKH<sup>+</sup>07, GBC<sup>+</sup>05, SA15a, SBS<sup>+</sup>00, WZ03, YLR18, ZSLL15, ACBV<sup>+</sup>18, AST07, ASV18, BHSJ16, BHS<sup>+</sup>10, HdVGHM02, HFL<sup>+</sup>15, KHL<sup>+</sup>01, MFN<sup>+</sup>02, OTK<sup>+</sup>05, PBVC<sup>+</sup>16, RHD<sup>+</sup>11, RH07, RGS<sup>+</sup>15].

### **Geochemistry**

[Cha03, FS007, SA18, ÇYB<sup>+</sup>18, CKH<sup>+</sup>05, FBCP01, GMC97, HHP<sup>+</sup>96, HWS<sup>+</sup>07, ITM<sup>+</sup>12, KBI<sup>+</sup>11, KSS<sup>+</sup>00b, LPFS97, MMG<sup>+</sup>07, MT11, MMWM00, MAR<sup>+</sup>17, PPR07, RAF<sup>+</sup>14a, RAF<sup>+</sup>14b, RSP<sup>+</sup>98].

### **Geochronology** [RSP<sup>+</sup>98]. **geographic**

[LZZ<sup>+</sup>16, NLHB01, NHS<sup>+</sup>13, WGG98]. **Geographical** [BE00, OUJ<sup>+</sup>19].

### **Geography** [YXZ<sup>+</sup>22, NHCL14]. **geolocation** [Eks07]. **Geologic**

[GTB15, CES98]. **Geological** [SBDB09, Tho04, CTT09, FSG02]. **Geology** [SDGH14, MT11, RSH10]. **geometrical** [TC06]. **Geomicrobial** [CBB<sup>+</sup>98].

### **Geomorphic** [OBC<sup>+</sup>14, NHD11, PGM<sup>+</sup>15]. **geomorphological** [WGW<sup>+</sup>19].

### **Geomorphology** [GBDM<sup>+</sup>14, HBCG14, KBW<sup>+</sup>11]. **geophysical**

[GPMZ<sup>+</sup>10, SC10]. **George** [HB03, KIM08, NKA<sup>+</sup>11, BH03, DZ08, EBG<sup>+</sup>11, HBB03, NHH<sup>+</sup>13, PS03, PBO<sup>+</sup>11, PDBH03]. **Georges**

[Ano97b, DL01, GDE<sup>+</sup>96, MLW<sup>+</sup>01, TMTR14, ADGA01, ABB<sup>+</sup>01, AGD96, BDW<sup>+</sup>96, BBR<sup>+</sup>96, BSM01b, BHC<sup>+</sup>01, BD06, BK96b, BGMH01, CRD01, CBF01, CHV09, CBS<sup>+</sup>01, DVC14, DPS<sup>+</sup>14, DC06, FC01, GTTKB14, HLNO96, HF01, IAA96, JCF<sup>+</sup>06a, JCF<sup>+</sup>06b, LCD01, LMDW06, LB96, LM96, LCR<sup>+</sup>96, LM01, LBB<sup>+</sup>06, LLW01, MB96, MS01, MC06, MB01, MTK<sup>+</sup>14, MO96, MT96, NLHB01, NDG96, PWMC01, PTD<sup>+</sup>14, RPJ<sup>+</sup>06, RG06a, RYT01, SMS01, SHFM01, SM96b, TP96, TT01, TLW<sup>+</sup>94, WPLN96, WMS<sup>+</sup>96, WB96, WBBM01, WBML06, WBI<sup>+</sup>01, WOU06, YO96]. **Georgia** [JBVW12, LCE<sup>+</sup>23, MMH<sup>+</sup>08, WT12, YMMC11, APL<sup>+</sup>23, BJK<sup>+</sup>22, CWS<sup>+</sup>23, GSB<sup>+</sup>23, HKAM12, KWW04]. **GEOSAT** [WEB93]. **geoscience** [GDIK02]. **GEOSECS** [BDM<sup>+</sup>03, MPS<sup>+</sup>03]. **geospatial** [LB18].

**geostationary** [HF21]. **geostrophic**



[BB03, Cok16, GGLP02, MRM<sup>+12</sup>, PS20]. **Geotechnical**  
 [GBO01, MMM<sup>+00</sup>]. **geotechnics** [MMWM00]. **GEOTRACES**  
 [BAC<sup>+15</sup>, BSS15, FCW<sup>+15</sup>, HAF<sup>+15</sup>, JLL<sup>+15</sup>, JSBC15, LOA15, MHFM15,  
 OL15, RSB<sup>+15</sup>, SSUB15, BHLS15, HMW<sup>+15</sup>, HAF<sup>+15</sup>, JM15, NESB<sup>+15</sup>,  
 SML15, vdLCS<sup>+11</sup>]. **Geotraverse** [HTT15]. **Gerlache**  
 [ÁRR02, DÁSCP02, ME02, Fig02, GCR<sup>+02</sup>, HZL94, IMP<sup>+02</sup>, KOLA<sup>+18</sup>,  
 KGdC<sup>+18</sup>, LAF<sup>+02</sup>, MTD<sup>+18</sup>, RVZ02, RJGBF02, VFS02, dCHdOF<sup>+18</sup>].  
**gerlachei** [KL03]. **German** [BM15]. **germination** [SKM14a]. **germling**  
 [VCM<sup>+14</sup>]. **Getting** [MCH<sup>+13</sup>]. **Ghanaian** [BMSBM<sup>+17</sup>]. **GHRST**  
 [DIM<sup>+12</sup>, MDI<sup>+12</sup>, MDI<sup>+12</sup>]. **giant** [CBNR<sup>+09</sup>, MAR<sup>+17</sup>, OCG<sup>+09</sup>, PCL22].  
**Giantism** [SLT<sup>+14</sup>]. **Gibbs** [BSJ13, CSGV13, CSCP13, CLJ<sup>+13</sup>, CLB13,  
 DHST13, EQW<sup>+13</sup>, FVW08, KJB<sup>+08</sup>, LAJP13, MSW<sup>+13</sup>, PBB<sup>+13</sup>].  
**Gibraltar** [PNLFS02, PNLF02, PNLFS03, RVJG<sup>+05</sup>, BAC<sup>+02</sup>, ELB<sup>+02</sup>,  
 LDV<sup>+02</sup>, PNLF02, RVJG<sup>+02</sup>, SCGDL02, SWC<sup>+02</sup>, SABP<sup>+16</sup>]. **gigantea**  
 [JLL<sup>+13</sup>]. **gigas** [FEB<sup>+13</sup>, NA13, Sei13, SFMG13, SGFP13, TS13]. **GIS**  
 [AKZL16]. **glaberrima** [EWF<sup>+18</sup>]. **Glacial**  
 [ACFS02, HFM<sup>+02</sup>, LXWC21, LAT<sup>+18</sup>, Mun07, NGM<sup>+20</sup>, BL98, DW15a,  
 FAS<sup>+03a</sup>, FLMF07, GBC<sup>+05</sup>, HSS<sup>+12</sup>, LRM07, MK21, YKY<sup>+07</sup>, CMVS<sup>+10</sup>].  
**glacial-Holocene** [GBC<sup>+05</sup>]. **Glacial-interglacial** [NGM<sup>+20</sup>].  
**glacial/interglacial** [LRM07]. **glacialis** [PCAS05, SRS<sup>+20</sup>].  
**glacialis/marshallae** [PCAS05]. **glacially** [DBD03]. **glaciation**  
 [BDE07, YK16]. **Glacier** [SMV<sup>+03</sup>, VSGM03a, VSGM03b]. **glaciers**  
 [AMvD<sup>+12</sup>, GAL<sup>+12</sup>, GAL<sup>+20</sup>]. **GLAD** [WJR<sup>+16</sup>]. **gladius** [LPK<sup>+17</sup>].  
**glass** [GJ11, NB10, SRS<sup>+20</sup>]. **glaucinite** [Cha07, WC07a]. **glaucony**  
 [AST07]. **Glider**  
 [MLW<sup>+16</sup>, HDGM19, JR15, KMG<sup>+20</sup>, PO15, SRA<sup>+09</sup>, TBPS22].  
**glider-detected** [PO15]. **gliders** [DLF09a]. **glimpse** [JSSW14]. **Global**  
 [AS01b, ADK<sup>+15</sup>, BHJ99, BTS<sup>+08</sup>, DD06, DKP<sup>+17</sup>, GMR06, HWCT04,  
 LPL<sup>+20</sup>, SBCH02, SE07, SAM<sup>+00</sup>, TSS<sup>+02</sup>, TBB<sup>+08</sup>, WCH<sup>+93</sup>, AGHS04,  
 BBN97, BMML06, BSH<sup>+11</sup>, CFS<sup>+06</sup>, CH07, GHM<sup>+12</sup>, Gre01, GGSC03,  
 GC07, Hei02, HK19, HMHY11, JDL<sup>+12</sup>, KIY<sup>+05</sup>, LS17, LHX<sup>+22</sup>, LH15,  
 MFH04, MTT<sup>+12</sup>, MDK<sup>+01</sup>, MRM<sup>+12</sup>, MGG<sup>+17</sup>, QQJ<sup>+21</sup>, SHA04, SMD06,  
 TSW<sup>+09</sup>, WOS12, WLY<sup>+22</sup>, WR15, WLT20, YBRT17, ZHM<sup>+24</sup>, TFR<sup>+10</sup>].  
**globally** [TTL<sup>+16</sup>]. **GLOBEC**  
 [HWCT08, HD07, MLW<sup>+01</sup>, TSZ10, WAL<sup>+11</sup>, Ano07b, BLSW05, Eck94,  
 HWCT11, HHP04, SF04, WBBM01, WBML06]. **globosa** [SLT<sup>+14</sup>]. **Glucose**  
 [KMD<sup>+01</sup>]. **glues** [DD95]. **GMPE** [MDI<sup>+12</sup>]. **gnathophausiids** [LDBS<sup>+17</sup>].  
**Go** [SHF<sup>+95</sup>, BRG<sup>+19</sup>]. **Go-Flo** [SHF<sup>+95</sup>]. **GO-SHIP** [BRG<sup>+19</sup>].  
**GOAIERP** [DB16]. **GOAL** [MTG18]. **Goban**  
 [HDF<sup>+01</sup>, HSM<sup>+01a</sup>, HCG<sup>+01</sup>]. **going** [KCZ<sup>+19</sup>]. **Golfingicola** [SM15].  
**gonad** [GGRJD<sup>+10</sup>]. **gorbuscha** [ABC<sup>+05</sup>, MBC<sup>+09b</sup>]. **Gorda**  
 [RSP<sup>+98</sup>, SB98, Bak98, CES98, CBB<sup>+98</sup>, FBL<sup>+98</sup>, FD98, JBS<sup>+98</sup>, KLLO98,  
 MBF<sup>+98</sup>, WH98]. **gorgonians** [RVC<sup>+13a</sup>]. **Gorringe** [HC13]. **governance**  
 [EHB19, GKB19, MGT<sup>+20</sup>]. **governed** [GKB<sup>+18</sup>, RBS<sup>+17b</sup>]. **governing**

[CMRL11, DLF<sup>+09b</sup>, NRH<sup>+06</sup>, PVT<sup>+21</sup>]. **GPS** [HEW15]. **Gracilechinus** [GIPLL<sup>+14</sup>]. **gracilis** [HCAK17]. **gradient** [AMN<sup>+02a</sup>, BHS<sup>+19</sup>, GARVK04, JHHK14, LBE06, MS09, NFD<sup>+02</sup>, RSF<sup>+99</sup>, SLB18, SBH<sup>+02</sup>, TŠŠ<sup>+19</sup>, TMP<sup>+13</sup>]. **gradients** [BV98, BY04, BASLK04, ECM<sup>+06</sup>, GNG<sup>+22</sup>, GLdS<sup>+09</sup>, Kli09, KVS<sup>+09</sup>, KNN<sup>+06</sup>, MGHN01, MBG09, OMS06, OBKA17, PO15, RJGBF02, SBB<sup>+11</sup>, TBSP<sup>+18</sup>, VTD<sup>+20</sup>, WZW<sup>+95</sup>, WGG98, Zon97]. **graduate** [CPM<sup>+18</sup>]. **grain** [Mil94b]. **grain-size** [Mil94b]. **grained** [JWCC99]. **grains** [WC07a]. **Grand** [DPK<sup>+14</sup>, DKP<sup>+14</sup>, PDK<sup>+14</sup>]. **Grande** [HCBL<sup>+17</sup>]. **grandis** [GW98]. **granulosus** [CGD<sup>+15</sup>, SLC<sup>+15</sup>]. **Grassle** [Lut09, SPS<sup>+09</sup>]. **gravel** [CHV09]. **gravity** [GOM<sup>+09</sup>, TWL<sup>+15</sup>, VT09]. **Gray** [BFS<sup>+17</sup>, BCKH07, CBK<sup>+07</sup>]. **Grays** [PCF<sup>+18</sup>]. **grazers** [NED09]. **Grazing** [ASH<sup>+11</sup>, DB97b, ML20, PF04b, SBB06, BMHR08, BGH99, BTUV08, CAMA<sup>+02</sup>, CAH<sup>+09</sup>, CTCD05, CSA<sup>+09</sup>, CAS<sup>+16</sup>, CLSS15, DZBR95, DLR11, DVPR06, FWP<sup>+07</sup>, Fro04, Kla97, KLD21, LCK95, LBC<sup>+98</sup>, LDS<sup>+08</sup>, LST<sup>+11</sup>, LHD<sup>+22</sup>, LLB<sup>+00</sup>, LMG93, LYN<sup>+13</sup>, LLS<sup>+19</sup>, MTE<sup>+02</sup>, OT03, PTO<sup>+16</sup>, PAR<sup>+08</sup>, PKW07, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, RSW<sup>+00</sup>, SRHP23, SVC<sup>+08</sup>, SLT<sup>+11</sup>, SSH09, SSR13, SWG14, SF08, TB05, URDP01, VSSN96, YOK<sup>+10</sup>, YOO<sup>+10</sup>, YHK15, ZDWR95]. **great** [AAB<sup>+97</sup>, BEC<sup>+96</sup>, Beg18, BPM18, DSvR<sup>+18</sup>, EMEP18, EPHE18, FKS18, FBPG18, GDE<sup>+96</sup>, HKM00, HRM<sup>+18</sup>, MBG18, MB96, OGRdO18, Pas18, PvRR18, PHE<sup>+18</sup>, WAP<sup>+18</sup>, WAM<sup>+18</sup>, WWS02, vRPD<sup>+18</sup>]. **greater** [YWI<sup>+02</sup>]. **Greece** [TKP<sup>+20</sup>]. **Green** [OSCS04, TB98]. **Greene** [Ano97b]. **Greenland** [MW99, And00, BK99, CFK15, FPHH<sup>+09</sup>, GFS99, HMHY11, LGQ99, MCJ<sup>+99</sup>, NRM<sup>+99</sup>, RPB99, SDCH99, Tou99]. **Greenwich** [BFH<sup>+11</sup>, FHR<sup>+11</sup>, RPB02, WS11]. **Grenada** [MS18]. **grenadier** [MSW<sup>+13</sup>, RCCP13]. **Grey** [VHC<sup>+17</sup>, MCS07]. **grid** [TFP<sup>+16</sup>]. **gridded** [CMR<sup>+18</sup>]. **Gromia** [GBBS00, dSG09a]. **gross** [Ano97c, BDO00, LMM<sup>+97</sup>]. **Grotto** [RBXM15]. **Ground** [KSB<sup>+03</sup>, NKE11, MSB<sup>+03</sup>]. **groundfish** [GBS<sup>+22</sup>, GBP21, MCS<sup>+09</sup>, PSZ<sup>+19</sup>, UKM16, VCDAL14, ZRG16]. **groundfishes** [DMFB19]. **grounds** [GSC<sup>+19</sup>, KHT<sup>+20</sup>, NDD<sup>+14</sup>, PCF<sup>+18</sup>]. **Group** [BKS<sup>+10</sup>, MTG18, HLA<sup>+06</sup>, MGT16, DIM<sup>+12</sup>, LMB<sup>+98</sup>, MDI<sup>+12</sup>, BVL04]. **group-specific** [MGT16]. **groups** [BRJM18, CAGL13, DRVVS<sup>+14</sup>, KRHS20, MBMM<sup>+99</sup>, MKT<sup>+15</sup>, PAR<sup>+08</sup>, SWBKK10, SHY10]. **growing** [GDIK02]. **Growth** [AELP14, HCAK17, LLT<sup>+00</sup>, PB13, PFDD16, RQNO04, SPF10, SCD<sup>+22</sup>, STS11, VKG93, WBA<sup>+17</sup>, ARWM13, Arm03, AMK<sup>+05</sup>, Blu93, BHC<sup>+01</sup>, BFML<sup>+08</sup>, BKCV10, BD06, BES95, CD99, CLC<sup>+03</sup>, CHPF10, CMNO23, CWTJ03, Dal04, ER05, FCG<sup>+96</sup>, FJG<sup>+00</sup>, FNS20, GSMB01, GKBG17, HWK<sup>+14</sup>, JLB<sup>+99</sup>, JGM09, KUT<sup>+20</sup>, KKK<sup>+17</sup>, KM15, KMC05, KKUK10, KUN10, KLD21, KVS<sup>+09</sup>, LBC<sup>+98</sup>, LST<sup>+11</sup>, LPdR<sup>+14</sup>, LBE06, LCL<sup>+98</sup>, LZL<sup>+22</sup>, LAF<sup>+02</sup>, LBB<sup>+06</sup>, MBHP99, MBD<sup>+17</sup>, MSH<sup>+07</sup>, MBC<sup>+09b</sup>, NLY<sup>+13</sup>, OVKN11, OS02, ÖCB<sup>+04</sup>, PAM<sup>+04</sup>, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, PC08, PZT<sup>+19</sup>, RRL<sup>+14</sup>, RNB07, SRHP23, SRS<sup>+20</sup>, SBQ<sup>+02</sup>,

SLA<sup>+01</sup>, SW01, SRFR07, SH16, SFW<sup>+13</sup>, VSM17, VSGGPR14, VFFM13, VM13, VKM<sup>+10</sup>, WZC<sup>+19</sup>, ZZP04, ZDW<sup>+20</sup>]. **grypus** [MCS07].  
**Guangdong** [HZW<sup>+23</sup>]. **Guaymas** [PUP<sup>+07</sup>, Sot09, ZT00]. **Guéthary** [CMP14]. **guild** [DND04, WBD17]. **Guinea** [BMSBM<sup>+17</sup>, GMR<sup>+09</sup>, OCG<sup>+09</sup>, VGSV09, VPA<sup>+09</sup>, vCO09]. **Gulf** [Ano97c, BMHR08, Blo02, BCB<sup>+18</sup>, BHSJ16, BSL08b, CBV<sup>+16</sup>, CM16a, CBPT05, DB16, DTP<sup>+05</sup>, EBGCL08, GPMS<sup>+16</sup>, LCH<sup>+09</sup>, MML06, MB08, OMAA18, PUP<sup>+07</sup>, QNL<sup>+16</sup>, SVJRSON04, SW08, Sot09, SYK<sup>+13</sup>, TDKA05, WC01a, ZT00, ALHP18, AISR<sup>+16</sup>, AAG06, AYN19, AYMSAS19, AHN23, AD08, ASK<sup>+05</sup>, AKK<sup>+05</sup>, AKK<sup>+14</sup>, ACK<sup>+14</sup>, Ano05a, Ano06c, ABS<sup>+14</sup>, ABC<sup>+05</sup>, AAW<sup>+16</sup>, BGIJ<sup>+06</sup>, BKP<sup>+19</sup>, BH08, BC05, BOHW22, BCN<sup>+16</sup>, BLM<sup>+10</sup>, BGB08, BHMK08, BSM01b, BT04, BPR<sup>+10</sup>, BWOR22, BMSBM<sup>+17</sup>, BAD<sup>+14</sup>, CTCD05, CB16, Car10, CRNP06, CJA<sup>+06</sup>, CH24, CWS05, CHV<sup>+15</sup>, CM16b, CCM15, Col16, CDM<sup>+16</sup>, CPH01, CBHF10, CP05, CHH19, Cra05, CAGLV<sup>+06</sup>, CBA<sup>+05</sup>, DMFD19, DMFB19, DHM<sup>+22</sup>, DGR02, DWBP13, DO19, DMH19, DPS<sup>+14</sup>, DC08, DGK10, DSO<sup>+00</sup>, DHS<sup>+09</sup>, DQC14, DM16b, DSC<sup>+19</sup>, DKI<sup>+00</sup>, DI00, Duc93]. **Gulf** [ESK<sup>+23</sup>, EBDL08, ER05, EWF<sup>+18</sup>, FLLGR04, FR10, FHR<sup>+14</sup>, FME<sup>+09</sup>, FA02, GLCP12, GMR<sup>+09</sup>, GOH<sup>+15</sup>, GLDCA<sup>+06</sup>, GPMZ<sup>+10</sup>, GPF16, GSC<sup>+19</sup>, GBS<sup>+22</sup>, GDAMS19, GKR<sup>+18</sup>, GKQ<sup>+05</sup>, GMPS04, HDK08, HHD<sup>+09</sup>, HLC<sup>+16</sup>, HMLS<sup>+06</sup>, HS05a, HGAB04, HCG<sup>+09</sup>, HPH<sup>+16</sup>, HSC<sup>+19</sup>, HKY<sup>+13</sup>, HNRGL06, HDJP05, JWO<sup>+09</sup>, JCP05, JD08, JASS02, JMSW05, JPC06, JTDG13, JBS<sup>+10</sup>, Joy16, JBÖ<sup>+16</sup>, KMLC<sup>+04</sup>, KAI21, KCMA05, KCA05, Kel10, KTP05a, KAM<sup>+14</sup>, Kli09, KLČ<sup>+19</sup>, LSC05, LMM<sup>+97</sup>, LSM<sup>+06a</sup>, LPPC<sup>+10</sup>, LPPCF10, LHM14a, LHM14b, LDGH16, LM13, LBD<sup>+22</sup>, LL14, LLG<sup>+16</sup>, LSWH07, LLK05, LTH05, MSH10, MPMD<sup>+06</sup>, MHB<sup>+23</sup>, MMS<sup>+16</sup>, MTK05, MMS<sup>+19</sup>, MPC99, MAST05, MALT05, MBC<sup>+14</sup>, MHTZ19, MHPS19, MO96, MHC<sup>+10</sup>, MHSV18, MSK<sup>+19</sup>, MCS<sup>+09</sup>, MBC<sup>+09b</sup>, MZH16, MSB96, NOLASZ04, NRH<sup>+06</sup>, NR06, NWZL23, OMS06, OT10, OCG<sup>+09</sup>, OJK<sup>+10</sup>]. **Gulf** [OBH<sup>+19</sup>, PCB<sup>+00</sup>, PHH<sup>+16</sup>, PBGCD<sup>+13</sup>, PWH05, PTD<sup>+14</sup>, PCJ<sup>+05</sup>, PHK<sup>+14</sup>, PAM<sup>+14</sup>, PSZ<sup>+19</sup>, PSAY20, Pri06, QED<sup>+14</sup>, RT14, RMCAR06, RFJ10, RSH10, RSRL00, RPF<sup>+16</sup>, RQRVM10, RWN<sup>+08</sup>, RK08, RMNB08, RSR<sup>+00</sup>, Roy05, RGIH<sup>+06</sup>, RGL06b, RN06, RYT01, SCL<sup>+04</sup>, SVAGRCS04, SMR<sup>+06</sup>, SR08a, SVB<sup>+19</sup>, SVR<sup>+00</sup>, SRY04, SKD<sup>+16</sup>, SKM14a, SDB<sup>+19</sup>, ST13, SMBL19, SHFM01, SR08b, SCB<sup>+16</sup>, SBC<sup>+16</sup>, SGM<sup>+14</sup>, SCS<sup>+98</sup>, SSC<sup>+00</sup>, SMSA05, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, SMB<sup>+18</sup>, SFB16, SFB19, SPP22, Tho97, TTFJ13, TC06, TMC04, TBT05, TPT05, TMTR14, TLKT00, TB05, VGSV09, VPA<sup>+09</sup>, VALW23, VSR<sup>+00</sup>, WSS<sup>+08</sup>, WJS<sup>+10</sup>, WJR<sup>+16</sup>, Wil08, WC01b, YSMW05, ZHM<sup>+24</sup>, ZL23, ZDA<sup>+16</sup>, Zim19, ZDO19, vCO09]. **Gulfs** [GSdAMNMM04]. **Gully** [GPC14, KCM<sup>+14</sup>, MKKB14, MM14, SSG14].  
**Günther** [KPBK08]. **Gurjanopsis** [MB07a, MB18]. **Gurjanova** [EGMB13, MGE13]. **gut** [WPFB11, YOO<sup>+10</sup>, YQMB20]. **Guyot** [VOK<sup>+24</sup>].  
**Gwain** [HBCG14]. **Gymnocanthus** [GNB<sup>+17</sup>]. **Gymnodinium** [FRBB10].

**Gyre** [JPM99, AKBD13, Bat01, BTR20, CSH<sup>+</sup>13, CBF<sup>+</sup>16, EBB<sup>+</sup>08, FHR<sup>+</sup>11, GPCT23, HLG<sup>+</sup>21, HZT<sup>+</sup>06, KQ02, MML06, MSC04, MWF<sup>+</sup>19, MSS<sup>+</sup>02, NI10, RKHK<sup>+</sup>11, Ros99, AKH<sup>+</sup>02, CBF<sup>+</sup>13, Gol93, HdBB<sup>+</sup>02, KBL01, KFHR05, LKL<sup>+</sup>13, SF99, TMW<sup>+</sup>05, vHHH<sup>+</sup>11]. **gyres** [BGKB06, KKNH02, MSC<sup>+</sup>19, TTLP06, GSW<sup>+</sup>09].

**H** [Ano97b, Ano97c, KLLO98, MPS<sup>+</sup>03]. **H3** [PC00]. **H3/M1** [PC00]. **HAB** [ACK<sup>+</sup>14, RMK<sup>+</sup>14]. **habit** [SNH<sup>+</sup>23]. **Habitat** [BFDB17, BNKJ23, DAB<sup>+</sup>18, EHK<sup>+</sup>20, HHMF11, LVP<sup>+</sup>17, PMF<sup>+</sup>17, PSZ<sup>+</sup>19, PTS17, SGPD<sup>+</sup>14, SLS17, SMV<sup>+</sup>13, SJJ19, AD08, ADK<sup>+</sup>15, AHB<sup>+</sup>17, BF14, BRBD17, BWH<sup>+</sup>17, BCF<sup>+</sup>04, BHBC08, BOH<sup>+</sup>04, CV17, CWEHT22, CW15, CWE<sup>+</sup>17, DHS<sup>+</sup>14, DVS<sup>+</sup>14, DW15b, EWF<sup>+</sup>18, FRH<sup>+</sup>98, GPCC<sup>+</sup>17, HCBL<sup>+</sup>17, HH03, IABR<sup>+</sup>17, JMM<sup>+</sup>13, KG20, LLD<sup>+</sup>17, LPD<sup>+</sup>17, LWJR22, LGP<sup>+</sup>15, MDTS11b, MPF<sup>+</sup>17, MSNL09, MM14, MST<sup>+</sup>14, PHE<sup>+</sup>18, PRORSV<sup>+</sup>19, PWB<sup>+</sup>06, PGM<sup>+</sup>15, PGPP<sup>+</sup>13, RDW<sup>+</sup>22, RCM<sup>+</sup>17, SDT<sup>+</sup>17, ŠH11b, SCD<sup>+</sup>22, SFH<sup>+</sup>18, SSB<sup>+</sup>06, SBG<sup>+</sup>06, VGSV09, VMAW12, VSR<sup>+</sup>10, WMB<sup>+</sup>13, WL20, WNHF<sup>+</sup>15, YSMW05, YSBH06, YBRT17, ZRG16]. **habitats** [AP22, AMTE09, BvGH<sup>+</sup>17, BRBD17, BHSJ16, CHV09, DGT<sup>+</sup>17a, DCF<sup>+</sup>18, GSM<sup>+</sup>08, GBJ<sup>+</sup>15, HYMD11, HBC<sup>+</sup>12, JBS<sup>+</sup>10, KBFH14, LRL<sup>+</sup>22, MdSLH13, NRSL17, NLSL09, NDE14, NBCT13, PBO<sup>+</sup>11, RRT<sup>+</sup>17, RSB<sup>+</sup>17, RHPR15, ST07, SKdS<sup>+</sup>14, SJST13, VLP<sup>+</sup>17, YK05, ZLW<sup>+</sup>19]. **habits** [ABC<sup>+</sup>05, GNB<sup>+</sup>17, KHT<sup>+</sup>20]. **HABs** [Rai14]. **Hadal** [JFC18, JSWB21, BFB<sup>+</sup>18, CW18, JLL<sup>+</sup>13, Jam18, KBR18, LMLJ18, LS18, LWWF18, RLB18b, RJP18, SWL<sup>+</sup>18, XGF18]. **Hadd** [BMM<sup>+</sup>99]. **haddock** [BD06, LM96, LCR<sup>+</sup>96, WPLN96]. **HadGEM2** [TdFAL19]. **HadGEM2-ES** [TdFAL19]. **Haecker** [PPC<sup>+</sup>07]. **haemoglobin** [VPdP06]. **hagfish** [CHG15]. **Haida** [CBPT05, DFC05, HBCG14, JMSW05, MRC05, YC05]. **Hainan** [bLHsL<sup>+</sup>13, ZHY<sup>+</sup>13, LWSZ13]. **hake** [SSP14]. **Hale** [NCL13]. **half** [BCW03, CTBNL08, LPA<sup>+</sup>95]. **half-lives** [LPA<sup>+</sup>95]. **halibut** [Loh08]. **Halichoerus** [MCS07]. **halides** [MW06]. **halocarbons** [ALWW04]. **halocline** [AKH<sup>+</sup>02, GF97, MTT<sup>+</sup>12]. **halogenated** [ABC<sup>+</sup>04]. **halomethanes** [HTS<sup>+</sup>09]. **Halomonhystera** [GK16]. **halosaur** [KPBK08]. **Halosauropsis** [KPBK08]. **Hamilton** [LPZ<sup>+</sup>04]. **hand** [YKN07]. **hand-raised** [YKN07]. **Hanging** [HBCG14]. **Hanna** [ACG<sup>+</sup>17, DGT17b, LGHD20, LMM<sup>+</sup>17, MD17, WFW<sup>+</sup>17]. **happened** [AGL<sup>+</sup>19]. **haptophyte** [FGF<sup>+</sup>14]. **Harbor** [KSDE16, MS09]. **harbors** [BMB<sup>+</sup>18]. **Harbour** [BvGH<sup>+</sup>17, TFR<sup>+</sup>10, VHC<sup>+</sup>17, LPZ<sup>+</sup>04]. **Hard** [RVD<sup>+</sup>10]. **Hard-** [RVD<sup>+</sup>10]. **harengus** [Pro09]. **Harmful** [RBM14, BMR<sup>+</sup>14, SLT<sup>+</sup>14, Ste10]. **harmonics** [AVA23]. **harp** [FPHH<sup>+</sup>09]. **Harpacticoid** [Thi98, STFL<sup>+</sup>13]. **Harpacticoida** [AS01a, SLB18, VK04]. **harvest** [JR04, RH14]. **harvests** [FBB<sup>+</sup>13]. **hatchery** [WWB04]. **hatching** [CMNO23]. **Hattera** [SSV02]. **Hatteras** [AAG02, ASBM02, BH94, CLT94, CDL94, DCR94, GAC<sup>+</sup>02, LRV<sup>+</sup>02, MBB<sup>+</sup>02, MP94, RLVF02, TBA<sup>+</sup>02, BD94, Hec94, RH94, Wal94b]. **haulout**

[VHC<sup>+</sup>17]. **having** [IuV<sup>+</sup>12]. **Hawai'i**  
 [DNK<sup>+</sup>08, KND<sup>+</sup>08, NKD<sup>+</sup>08, TD16, BL96, CFJL96, CCW<sup>+</sup>08, Chi96,  
 CW15, CBT01, ESW<sup>+</sup>16, EFR<sup>+</sup>16, KL96a, KL96b, LSM96, Mah16,  
 MBNRB08, Mit96, MTDK98, RAL<sup>+</sup>01, SKM01]. **Hawaiian**  
 [DVS<sup>+</sup>14, CRJB08, KM96, Mah16, MBK08, NSMBN08, RBN<sup>+</sup>08, VMM<sup>+</sup>08].  
**head** [OCA19, PGM<sup>+</sup>15, RGS<sup>+</sup>15, SW08, SR08b, WC07a]. **HeadMap**  
 [FG07]. **hearing** [EF98]. **Heat**  
 [Cra05, KDU<sup>+</sup>10, MMXS02, RJP18, SJM02, BOHW22, BCBF03, CL15,  
 DAA<sup>+</sup>20, DZ08, DRS10, FHR<sup>+</sup>11, FWR<sup>+</sup>02, HWP<sup>+</sup>11, HFP94, KAW<sup>+</sup>16,  
 KIS02, LBM98, MS12, MSB96, RS02, RBXM15, RFHL99, SE96, SWC<sup>+</sup>02,  
 SMB02, SWLL23, SBS<sup>+</sup>02, VGF02, WDD<sup>+</sup>22, WZW<sup>+</sup>22]. **Heat-shock**  
 [RJP18]. **heating** [PLRV22, WTSP07]. **heatwave** [MCH22]. **heatwaves**  
 [HSSH23, QQJ<sup>+</sup>21, YWW23]. **heavens** [GBI10]. **Heavy**  
 [Kos01, OPV11, KFW01]. **Hebrides** [LMLJ18]. **Height**  
 [DKdS<sup>+</sup>03, LBB11, WP17]. **heights** [Mit96]. **Heinrich** [CMAO<sup>+</sup>12].  
**helgolandicus** [UFAK06]. **helicina** [BTFB12, BJB16, PTM<sup>+</sup>16]. **helium**  
 [JLL<sup>+</sup>15]. **hemisphere** [LBM09, BCH<sup>+</sup>19, YK16]. **hemoglobin** [DZL<sup>+</sup>17].  
**her** [CPM<sup>+</sup>18]. **Herald** [PPT<sup>+</sup>10]. **herbivore** [Ant10]. **herbivorous**  
 [BEJS93]. **herbivory** [CDL<sup>+</sup>00, EBS99, OS02, RPAD99, TRWB99, YJL16].  
**Hercules** [WPB<sup>+</sup>16]. **hermaphroditism** [TMBTS09]. **Herring**  
 [SNMH18, ASF<sup>+</sup>16, BE18, GKR<sup>+</sup>18, GBP21, HSBT19, LB18, LSHB09,  
 MKS<sup>+</sup>20, MHSV18, Pro09, SMB<sup>+</sup>18, SPP22, TKF07]. **Hessler**  
 [KBK<sup>+</sup>18, PWCL98, SLM98]. **heterobran** [CC13]. **Heterobranchia**  
 [CC13, CKFC18, CSE<sup>+</sup>22]. **Heterocapsa** [SAKP<sup>+</sup>22]. **Heterogeneity**  
 [SDB<sup>+</sup>18, BG94, DVS<sup>+</sup>14, MHA<sup>+</sup>15, MARFP08, PPA10, PE17, SL94,  
 VGSV09]. **Heteronemertea** [CAK15]. **heteronemertean** [CP22].  
**Heteropoda** [JBOH10]. **heterothally** [FRBB10]. **Heterotrophic**  
 [DSC<sup>+</sup>01, HRM<sup>+</sup>06, KKK<sup>+</sup>17, SSF97, ZSB01, CKJ<sup>+</sup>16, DMC<sup>+</sup>01, HKY<sup>+</sup>16,  
 JWC09, KSH<sup>+</sup>09, KRB95, KHC<sup>+</sup>09, KMO<sup>+</sup>10, KSS00a, LLS<sup>+</sup>19, PLT<sup>+</sup>13,  
 PDT<sup>+</sup>10, PDT<sup>+</sup>11b, PAVGBG02, SBSH99, SIS<sup>+</sup>02, SIFS10, TR02, VSS<sup>+</sup>93,  
 VBC<sup>+</sup>95, ZXLL10, ZDA<sup>+</sup>16, ŽSN<sup>+</sup>18]. **heterotypic** [BKS<sup>+</sup>10].  
**hexachlorocyclohexane** [JKB04]. **hexactinellid** [HCBL<sup>+</sup>17, TGU<sup>+</sup>06].  
**Hexactinellida** [GJ11, JTT04, KGB<sup>+</sup>14]. **hexafluoride** [LWLS98].  
**hexosamines** [GK02]. **HF** [KL06, SP09, YSWJ16, CRS<sup>+</sup>19]. **Hidden**  
 [RHK<sup>+</sup>10, TMC<sup>+</sup>14, BIH10]. **hierarchical** [KG20]. **High**  
 [BSM01b, BCKH07, CJM<sup>+</sup>22, DIM<sup>+</sup>12, DJCF09, DLB02, ESK<sup>+</sup>23, GDE<sup>+</sup>96,  
 KLY<sup>+</sup>15, KN97, LB07, LDGH16, MDI<sup>+</sup>12, MTG18, MGK19, NSvH<sup>+</sup>11,  
 NHD11, RSW<sup>+</sup>13, RGS<sup>+</sup>97, RMPI<sup>+</sup>17, SC10, SKK<sup>+</sup>16, UY04, VVM<sup>+</sup>12,  
 VT09, WMB<sup>+</sup>13, WP00, YMMC11, AELP14, BCT21, BKY<sup>+</sup>17, Car07,  
 CLB96, Cha03, CWdE99, DMC<sup>+</sup>17, Dri09, DSC<sup>+</sup>01, FPLB<sup>+</sup>08, GAP<sup>+</sup>06,  
 GBP00, GLK<sup>+</sup>06a, GPC14, GKGW22, HBT<sup>+</sup>08, HZW<sup>+</sup>23, IMP<sup>+</sup>02, KIY<sup>+</sup>05,  
 LRN<sup>+</sup>14, LGF03, LEP14, LBM09, LMG93, LHX<sup>+</sup>22, LAPL<sup>+</sup>16, MCH<sup>+</sup>13,  
 MCSF15, MBB<sup>+</sup>02, OCP18, PCT18, PMLM<sup>+</sup>02, PHD<sup>+</sup>11, PZL<sup>+</sup>09, Qué13,  
 RAC<sup>+</sup>20, SLdB<sup>+</sup>15, SAG<sup>+</sup>10, SBS<sup>+</sup>00, SKD<sup>+</sup>16, SLP<sup>+</sup>09, SKL<sup>+</sup>22,

SFPH<sup>+08</sup>, SFB16, TRM<sup>+07</sup>, WWN<sup>+02</sup>, YLG<sup>+18</sup>, ŽSN<sup>+18</sup>, DGT17b].  
**high-Antarctic** [GAP<sup>+06</sup>]. **high-Arctic** [SFPH<sup>+08</sup>]. **high-chlorophyll**  
 [TRM<sup>+07</sup>]. **high-definition** [MCH<sup>+13</sup>]. **high-frequency**  
 [BCT21, GPC14, HZW<sup>+23</sup>, SLP<sup>+09</sup>]. **High-latitude**  
 [MGK19, Car07, Dri09, GKGW22, LBM09, SKL<sup>+22</sup>]. **high-nitrate** [LGF03].  
**high-pressure** [LAPL<sup>+16</sup>]. **high-productivity** [IMP<sup>+02</sup>]. **High-resolution**  
 [BSM01b, CJM<sup>+22</sup>, DJCF09, GDE<sup>+96</sup>, SC10, VT09, WMB<sup>+13</sup>, YMMC11,  
 AELP14, BKY<sup>+17</sup>, GBP00, GLK<sup>+06a</sup>, HBT<sup>+08</sup>, KIY<sup>+05</sup>, LHX<sup>+22</sup>,  
 MCSF15, PMLM<sup>+02</sup>, RAC<sup>+20</sup>, SBS<sup>+00</sup>]. **high-temperature**  
 [PZL<sup>+09</sup>, SLdB<sup>+15</sup>]. **high-throughput** [LEP14]. **higher**  
 [BLSW05, NBBBT13, OYK15, OKY<sup>+17</sup>, OJK<sup>+10</sup>, Pon07, SA15b]. **highlight**  
 [HRT14, LVP<sup>+17</sup>]. **highlights** [WKLM15]. **Highly**  
 [CBV<sup>+16</sup>, BS05, BS06, JSP<sup>+17</sup>, KCY<sup>+16</sup>, LLD<sup>+17</sup>, LPD<sup>+17</sup>, MAA<sup>+04</sup>,  
 MAA<sup>+05</sup>, RMBW07, TCG<sup>+18</sup>]. **highs** [RV00]. **Hiiumaa** [SSAF02, ASS02].  
**Himalayan** [NGM<sup>+05</sup>]. **Himalayas** [HKFL03]. **Himawari** [HF21].  
**Hindcast** [AKZL16]. **hindcasting** [HSHM02]. **hindcasts** [HGB<sup>+13</sup>]. **Hints**  
 [BJP<sup>+22</sup>]. **Hippoglossoides** [DKP<sup>+14</sup>]. **Hippoglossus** [Loh08].  
**Hippolytidae** [NCL13]. **hippurus** [TMGLM19]. **Hirudinida** [UC13].  
**historic** [Kos01]. **Historical**  
 [ARWM13, ASBR17, BBR<sup>+96</sup>, DBC<sup>+19</sup>, EEAA<sup>+19</sup>, LBB11, WH98, Wil98,  
 BA02, KY17, MBG18, MAH<sup>+12</sup>, RJ05, ZDO19]. **historically** [KAHS20].  
**histories** [CMC11, IDSM04, Vri09]. **history** [BCG<sup>+22</sup>, BDG<sup>+04</sup>, CKS05,  
 DM16b, DSC<sup>+19</sup>, Gag04, HiII<sup>+19</sup>, HiII<sup>+20</sup>, HPH<sup>+16</sup>, KCMT<sup>+20</sup>, Man94,  
 MF93a, MDG13, NA09, PSS<sup>+16</sup>, RS15, SI09, SDB<sup>+19</sup>, SHC<sup>+22</sup>, Tho04].  
**HNLC** [HCG<sup>+09</sup>, LST<sup>+11</sup>, LGO08, MBS<sup>+13</sup>, WCY05]. **HNLCLSi**  
 [LSS<sup>+11</sup>, PHS<sup>+11b</sup>]. **Hole** [KOS<sup>+16</sup>, KKT16, SKS<sup>+16</sup>, TSOT16, FMWD07].  
**Holes** [KOS<sup>+16</sup>]. **Holocene** [ASV18, BGH<sup>+19</sup>, GBC<sup>+05</sup>, HTD00, Led93,  
 LXWC21, MA05, MMSS14, PDBH03, RIHGS00, SSR<sup>+14</sup>, WC07a, YKY<sup>+07</sup>].  
**holothurian** [GTSC08, GRB<sup>+17</sup>, OKH<sup>+22</sup>]. **holothurians**  
 [FBBW<sup>+10</sup>, RKM23a]. **Holothuroidea** [MP17]. **holozooplankton**  
 [BHK<sup>+10</sup>]. **Homalorhagida** [AM15]. **homothally** [FRBB10]. **Honey**  
 [PFPJ<sup>+09</sup>]. **honor** [Lut09, Lut15, Won15]. **Hood** [Goe02]. **hooded**  
 [FPHH<sup>+09</sup>]. **Hoplonemertea** [CP18a]. **hoplonemertean** [CP22]. **horizon**  
 [RH07, Joy16, LLG<sup>+16</sup>, PFDD16, QNL<sup>+16</sup>, SEM16, SAW16, ULTL16,  
 WZL<sup>+16</sup>, YNG<sup>+16</sup>, ZA16, ZJA16]. **Horizontal**  
 [CLC<sup>+20</sup>, GGF<sup>+08</sup>, HCBP97, MY99, MRLL01, Mun14, Mun16, PBN10,  
 WAL<sup>+11</sup>, BFDB17, DL01, FGF<sup>+14</sup>, FGH<sup>+13a</sup>, FSGV<sup>+09</sup>, GGTMG<sup>+10</sup>,  
 KBSS93, LDX<sup>+23</sup>, MMY<sup>+20</sup>, Uml05]. **hormones** [BFSK08]. **Host**  
 [MAR<sup>+17</sup>, BCE18, MNB02, TBSP<sup>+18</sup>]. **host-parasite** [TBSP<sup>+18</sup>]. **hosted**  
 [Rai11]. **HOT**  
 [KM96, KL96a, Ano06g, AZYT16, GS06a, PBFS06, ZKSS06, CBT01, Fir96].  
**hotspot**  
 [BSH<sup>+11</sup>, KMMS18, LBSB<sup>+17</sup>, LAP<sup>+17</sup>, OPDM11, PUB<sup>+06</sup>, RSR<sup>+19</sup>].  
**hotspots**

[HFD<sup>+</sup>23, JHS<sup>+</sup>17, POI<sup>+</sup>17, PWB<sup>+</sup>06, RB06, SBG<sup>+</sup>06, WC24, YSBH06].  
**hours** [DZY<sup>+</sup>01]. **HOV** [NKB<sup>+</sup>18]. **Howard** [BDG<sup>+</sup>04]. **Howe**  
 [ANS<sup>+</sup>11, DLHH11, Har11, KBW<sup>+</sup>11, NHD11, PWN<sup>+</sup>11, RHD<sup>+</sup>11,  
 WACGH11, ZRC<sup>+</sup>11]. **HPLC**  
 [ABKL96, ESK06, FHYI03, LB98a, RVZ02, WvdE00, WvdEP<sup>+</sup>10].  
**HPLC-analyzed** [LB98a]. **HPLC-derived** [FHYI03]. **Huanghe** [KW03].  
**Hudson** [PGM<sup>+</sup>15, RGS<sup>+</sup>15]. **human**  
 [BMRP02, DRR<sup>+</sup>14, HON<sup>+</sup>13, KFS<sup>+</sup>17, LWL<sup>+</sup>16, SAG<sup>+</sup>10, SLD<sup>+</sup>13].  
**human-occupied** [KFS<sup>+</sup>17]. **Humboldt** [Ant10, AGAB19, EPPR09, GQ09,  
 MHG<sup>+</sup>04, ML04, OCT<sup>+</sup>19, QLU09, SRF09b]. **HUMMA** [SC16].  
**Humpback** [BJK<sup>+</sup>22, MHSV18, SMB<sup>+</sup>18]. **hunters** [KR07]. **hunting**  
 [HNB<sup>+</sup>13, RH14]. **Hurricane** [WBI<sup>+</sup>01]. **huxleyi**  
 [ESA<sup>+</sup>09, EAS<sup>+</sup>09, HPN<sup>+</sup>12, OS02, RHL<sup>+</sup>16, TTA<sup>+</sup>16]. **Hyas** [GKBG17].  
**hybrid** [Arm03, NSMBN08]. **hybrid-type** [NSMBN08]. **hybridization**  
 [MGT16]. **HYCOM** [WJR<sup>+</sup>16, ZHM<sup>+</sup>24]. **hydro** [DJC<sup>+</sup>14].  
**hydro-sedimentary** [DJC<sup>+</sup>14]. **Hydroacoustic** [FD98]. **Hydrocarbon**  
 [AAW<sup>+</sup>16, BCN<sup>+</sup>16, BLM<sup>+</sup>10, Car10, GPMS<sup>+</sup>16, GBB<sup>+</sup>17, HRM<sup>+</sup>18,  
 MSH10, NEO<sup>+</sup>07, ULH<sup>+</sup>21, WB09]. **hydrocarbon-degrading** [BCN<sup>+</sup>16].  
**hydrocarbon-seep** [BLM<sup>+</sup>10]. **hydrocarbons** [Cri95, HTPM14, HT17,  
 LTS<sup>+</sup>97, LLG<sup>+</sup>16, MRP<sup>+</sup>17, OJK<sup>+</sup>10, PSP<sup>+</sup>09, SSP<sup>+</sup>09, WSS<sup>+</sup>08, WZL<sup>+</sup>16].  
**Hydrochemical** [YCD<sup>+</sup>06]. **Hydrodynamic**  
 [BSSK<sup>+</sup>08, CLW<sup>+</sup>23, VALW23]. **hydrodynamics**  
 [CBBM12, DM16a, LHM14b]. **Hydrogen**  
 [WWcW<sup>+</sup>15, CWdE99, LLL<sup>+</sup>15, RTC06, VCO<sup>+</sup>15, YS01]. **hydrogenous**  
 [GNT<sup>+</sup>17]. **Hydrographer** [NKB<sup>+</sup>18]. **Hydrographic**  
 [BLSS10, Cam18, CFKS05, CFS09, CMB12, LHKHH10, ONSSVGR04, PP95,  
 Roy05, ADGA01, BS05, BS06, CRNP06, CM99b, GCJ<sup>+</sup>00, JPM99, KC03,  
 KTL<sup>+</sup>00, LSHP01, MHB05, MCG<sup>+</sup>98, MGC<sup>+</sup>01, OSCS04, PWTH15, PCJ<sup>+</sup>05,  
 SVJRSON04, SMPSG<sup>+</sup>04, SHY<sup>+</sup>08, VT09, Wea93, WSLP10, WFW<sup>+</sup>17].  
**hydrographical** [SKMDR02]. **Hydrography**  
 [KK20, KBVM13, LSU04, WPL<sup>+</sup>15, AGM<sup>+</sup>93, ADGA05, ADGA06, ADG<sup>+</sup>08,  
 ACG<sup>+</sup>17, BG09a, BW99b, CC03, CLL<sup>+</sup>03, DSW20, FLTCV10, FM03c,  
 FPW02, GDE<sup>+</sup>96, GMMS05, HLM<sup>+</sup>01, LWA<sup>+</sup>04, LDW22, OM98, ÖHÜ<sup>+</sup>93,  
 SSG14, SRB<sup>+</sup>11, SPD<sup>+</sup>11, VPK<sup>+</sup>19, VHT<sup>+</sup>20]. **hydroids**  
 [ABB<sup>+</sup>01, BSJ13, BHC<sup>+</sup>01, CR06, Can06, CBS<sup>+</sup>01, MBH<sup>+</sup>96, PRSS23, SC15].  
**Hydrolagus** [KM15]. **Hydrologic** [HM14]. **hydrological**  
 [HNRGL06, WCL<sup>+</sup>15b]. **hydrology** [CFL<sup>+</sup>99, SGM<sup>+</sup>02]. **hydrolyses**  
 [ZA16]. **hydrolysis** [TGRB02]. **hydrophone** [BCT21]. **hydrostatic**  
 [TGRB02, TGG<sup>+</sup>09, ŽSN<sup>+</sup>18]. **Hydrostation** [MK96]. **Hydrosweep**  
 [SSHB03]. **Hydrothermal** [GOH<sup>+</sup>15, Hol96, Ala22, Bak98, BBG15, BSX<sup>+</sup>15,  
 BT15, CSE<sup>+</sup>22, CL15, DSG<sup>+</sup>09b, EMV09, FBL<sup>+</sup>98, GFS15, HRS<sup>+</sup>23,  
 HTT15, HSZS17, iTT<sup>+</sup>15, JBS<sup>+</sup>98, KB15, KLLO98, KCD<sup>+</sup>17, KM98,  
 LBM98, LMKL09, LRL<sup>+</sup>22, LCK<sup>+</sup>18, LDSV98, MG22, MTB09, MCH<sup>+</sup>13,  
 MBF<sup>+</sup>98, MCB<sup>+</sup>15, MHFM15, MS18, MSNL09, MFS<sup>+</sup>23, MTDK98,

MMG98, NCK<sup>+22</sup>, OGG<sup>+15</sup>, Phi17, PPFS17, RDV<sup>+09</sup>, SSK<sup>+23</sup>, SLdB<sup>+15</sup>, SFV<sup>+98</sup>, SRS<sup>+15</sup>, SL15b, SBM<sup>+13</sup>, Sot09, TTD13, ULH<sup>+21</sup>, VB98, ZJFV15]. **hydrothermally** [RKM<sup>+23b</sup>]. **hydroxycarboxylic** [ÖCB<sup>+04</sup>]. **Hydrozoa** [BSJ13, Ste13, SC15]. **hydrozoans** [GPCC<sup>+17</sup>, PRSS23]. **Hyperbionychidae** [BG10]. **Hyperbionyx** [BG10]. **Hyperiididae** [WT12]. **hypersaline** [ABG<sup>+20</sup>, AYMSAS19]. **hypnozygote** [KTP05a]. **hypotheses** [BFF94, PSUH<sup>+16</sup>, SMSA05]. **Hypothesis** [FLMF07, APLW09, IPLCHRM19, KBL01, MDTS08, SAA<sup>+17</sup>]. **Hypoxia** [KLČ<sup>+19</sup>, TTDR13, DCSV19, YZZ<sup>+16</sup>]. **hypoxic** [GKB<sup>+18</sup>].

**I10** [SWCB02, WSFB02]. **I10/IR6** [SWCB02, WSFB02]. **IAEA'97** [HAP03, PLS<sup>+03</sup>]. **IAPSO** [Ano06e]. **IAPSO/SCOR** [Ano06e]. **Iatá** [KFS<sup>+17</sup>]. **Iatá-piúna** [KFS<sup>+17</sup>]. **Iberia** [ASB<sup>+02</sup>]. **Iberian** [BFF<sup>+10</sup>, IBK<sup>+11</sup>, FA02, PNC<sup>+06</sup>, RRT<sup>+17</sup>, SSP14, SGI<sup>+19</sup>]. **Ice** [Ano06b, CA06b, DEJ08, DYEJ08, ECS<sup>+17</sup>, HMHY11, KB99, MLW<sup>+16</sup>, PAR<sup>+08</sup>, SIA<sup>+05</sup>, SE95, Tou99, UW99, Ald95, ADBW16, Ano95b, AvD04, ALvD12, APP<sup>+14</sup>, BK99, BCE<sup>+07</sup>, BBL14, BSS20, BFH<sup>+11</sup>, BLB<sup>+11</sup>, BCVCHW04, BRSlW95, BW99b, BBD<sup>+03</sup>, BES95, BOP95, CAS<sup>+16</sup>, CDRA08, CCL<sup>+14</sup>, CMNM16, CLGM05, CJF<sup>+12</sup>, CSG<sup>+13</sup>, CFL<sup>+16</sup>, Cri95, DF16, DNM<sup>+16</sup>, DSN<sup>+10</sup>, DGA<sup>+11</sup>, DC12, DKGT04, DI00, DCF<sup>+18</sup>, EGG<sup>+05</sup>, FGW02, FHvFM08, FvFC<sup>+11</sup>, FMS08, FWM<sup>+11</sup>, FMWD07, GP08, GLW<sup>+97</sup>, GFS99, Gra09, GBI10, GBD<sup>+11</sup>, HNW<sup>+08</sup>, HCL<sup>+22</sup>, Heb00, HHW<sup>+08</sup>, HMAW11, HSR<sup>+16</sup>, HH20, HK08, HP08, HNB<sup>+13</sup>, HEW15, HVBO08, HBO11, IIM02, IGP<sup>+06</sup>, JSM<sup>+16</sup>, JLY<sup>+16</sup>, JDL<sup>+12</sup>, JVL<sup>+16</sup>, KT05, KCZ<sup>+19</sup>, KMM<sup>+08</sup>, KAHS20, KHL<sup>+15</sup>, KWT<sup>+16</sup>, KSM<sup>+11</sup>, KBF<sup>+08</sup>, LLK<sup>+16</sup>, LS14a, LCvdM<sup>+16</sup>, LT16, LKJ<sup>+15</sup>, LTW<sup>+11</sup>, LFC16, LvDA14, LDW22, MW99, McP08, MNG<sup>+11</sup>]. **ice** [MGH<sup>+16</sup>, MTK<sup>+18</sup>, MSV<sup>+17</sup>, MDT<sup>+08</sup>, MGC<sup>+14</sup>, MWB95, NRS14, NCCR<sup>+12</sup>, NVBJ08, NSWY20, NYH<sup>+20</sup>, NTS<sup>+11</sup>, OACA19, ORFA<sup>+14</sup>, OCKA<sup>+11</sup>, PSA14, PCL22, PEC<sup>+04</sup>, PPF<sup>+15</sup>, RHK<sup>+10</sup>, RPB99, RPB02, RCF<sup>+08</sup>, RHPC<sup>+19</sup>, RHB<sup>+95</sup>, RQNO04, RCF<sup>+16</sup>, RFHL99, SCM<sup>+02</sup>, SBM16, SGGW11, SSWM18, SvDMC<sup>+16</sup>, SAVP12, SSMM<sup>+08</sup>, SSHM<sup>+08</sup>, SRW<sup>+10</sup>, SLA<sup>+01</sup>, SHWW22, SRB<sup>+11</sup>, SSR13, SRF95, SET<sup>+09</sup>, SZH20, ŠHW<sup>+04</sup>, SK02, SBG<sup>+03</sup>, SMS<sup>+08</sup>, SPB<sup>+14</sup>, SMSI08, SMH<sup>+11</sup>, SWH08, SHW<sup>+16</sup>, SKM<sup>+14b</sup>, SESS08, TRH<sup>+08</sup>, TOSH08, TWD<sup>+08</sup>, TLP<sup>+12</sup>, THV<sup>+99</sup>, TMT<sup>+11</sup>, THT11, TML<sup>+16</sup>, TKF16, TNBL95, UWvdE<sup>+16</sup>, VTA<sup>+11</sup>, VMI<sup>+08</sup>, WW99, WSE<sup>+16</sup>, WYOS18, WLY<sup>+22</sup>, WLA11, WPW95, WTT<sup>+20</sup>, WNRM08, WMA11, WSL<sup>+11</sup>, WvdE00, WBA03, XAY<sup>+11</sup>, ZAC<sup>+15</sup>, vdMLB<sup>+11</sup>, WLA11]. **ice-covered** [CDRA08, DC12, KSM<sup>+11</sup>, MGC<sup>+14</sup>, RHPC<sup>+19</sup>, RFHL99, SSMM<sup>+08</sup>]. **ice-edge** [BBD<sup>+03</sup>, DKGT04, MWB95, UW99]. **ice-face** [SRB<sup>+11</sup>]. **ice-free** [DI00, SCM<sup>+02</sup>]. **ice-melting** [HCL<sup>+22</sup>]. **Ice-ocean** [UW99]. **Ice-rafted** [SIA<sup>+05</sup>, CLGM05, DF16, Heb00]. **ice-shelf** [GBD<sup>+11</sup>]. **ice/ocean** [McP08]. **Iceberg** [CMK<sup>+18</sup>, Rai11, KR11, SSG<sup>+11</sup>]. **Iceberg-hosted** [Rai11].



**iceberg-relative** [KR11]. **Icebergs** [SSH<sup>+</sup>11, CVF11, HKSV11, HSM11, KRS<sup>+</sup>11, LRH<sup>+</sup>11, MRE<sup>+</sup>11, MPTW11, RVS11, REWH11, SRH<sup>+</sup>11, SRB<sup>+</sup>11, SHM<sup>+</sup>11, SSS<sup>+</sup>11, Smi11, SL11, VSC<sup>+</sup>11]. **icebreaker** [EF98]. **Iceland** [RPB99, DKP<sup>+</sup>14, DONF08, JGM09, SMB<sup>+</sup>93]. **Icelandic** [AGJ07, RAT<sup>+</sup>13]. **ICESat** [XAY<sup>+</sup>11]. **ICESCAPE** [Arr15, Arr16, PPF<sup>+</sup>15]. **ichthyofauna** [ZRC<sup>+</sup>11]. **Ichthyoplankton** [HNM<sup>+</sup>20, MBO07, SRS11]. **Idas** [TMBTS09]. **idea** [MS06b]. **idealized** [CDJ<sup>+</sup>22, JDL<sup>+</sup>22, Thi05, WZZ<sup>+</sup>23]. **ideas** [SPS<sup>+</sup>09]. **Identification** [AKK<sup>+</sup>05, BHK<sup>+</sup>10, DCS<sup>+</sup>18, EPK<sup>+</sup>10, FGB10, MGT16, PPR<sup>+</sup>20a]. **identified** [CMR<sup>+</sup>18, HZW<sup>+</sup>23]. **identify** [LWSA08, MT98, SHB14, WBCB06]. **Identifying** [GBC<sup>+</sup>13, LVP13, PRDB<sup>+</sup>17, RB06]. **identity** [OGBF08]. **if** [Ano17f, Ano17g, Ano17h]. **II** [AN06, Ano95b, Ano96f, Ano96g, Ano97b, Ano97c, ADGA06, BS06, CC00, CM16a, CBF<sup>+</sup>16, DTWW21, ENM<sup>+</sup>16, EWA<sup>+</sup>03a, ELG<sup>+</sup>22a, FH09, GAL<sup>+</sup>20, HOD<sup>+</sup>09, HiI<sup>+</sup>20, LLM<sup>+</sup>03, MCS<sup>+</sup>03, MAA<sup>+</sup>05, Mun16, NHS<sup>+</sup>09, PNLFS03, RDL<sup>+</sup>09, RVJG<sup>+</sup>05, RSCFT<sup>+</sup>16, RAF<sup>+</sup>14a, RDC<sup>+</sup>18a, STN<sup>+</sup>09, SvdMC<sup>+</sup>16, SSK<sup>+</sup>07, SMGB03, UWTS09, VSGM03a, WJD<sup>+</sup>00a, YOI<sup>+</sup>09, Ano96d, ANI09, BA94, Bis94, BFF94, CVM<sup>+</sup>01b, CLJ<sup>+</sup>13, DD15b, DJCF09, DBC<sup>+</sup>02, EAS<sup>+</sup>09, FC01, GHS09, HLR<sup>+</sup>09, HS13, HTS<sup>+</sup>09, HKN<sup>+</sup>09, HWCT08, HZL94, KTP<sup>+</sup>20b, KSH<sup>+</sup>09, KWN<sup>+</sup>09, Kem94, KGdC<sup>+</sup>18, KNC<sup>+</sup>09, LCS16, LPD<sup>+</sup>17, LAB<sup>+</sup>17, LLK<sup>+</sup>09, MTGY05, MJW<sup>+</sup>06, MDTS11b, MLS<sup>+</sup>06, MLBB14, MHP<sup>+</sup>07, NOT<sup>+</sup>09, NTK<sup>+</sup>09, PLA<sup>+</sup>17, RSH10, STF09, SH99b, SSUB15, Sei13, SS05b, SSI<sup>+</sup>09, TBC<sup>+</sup>17, TSZ10, TP02b, TSMS09, TNS<sup>+</sup>09, TDKA05, VQ97b, VCG<sup>+</sup>20, WDFK<sup>+</sup>22, WTCB09, CDB94]. **III** [ISB<sup>+</sup>11, NVBJ08, Ano96l, Ano06d, Arr16, BBB<sup>+</sup>07, BKS<sup>+</sup>10, FL04, LAJP13, LS14b, MSJ<sup>+</sup>06, NKD<sup>+</sup>08, PTD<sup>+</sup>17, SA03, CHU<sup>+</sup>00]. **iii-xi** [Ano96l]. **IIOE** [BHT22, HB19, HBVG20, HBVG22, HBV19]. **IIOE-2** [BHT22, HB19, HBVG20, HBVG22, HBV19]. **IIOE2** [RT20]. **IIOE2-WIOURI** [RT20]. **image** [Ano17f, Ano17g, Ano17h, LDHO<sup>+</sup>14]. **imaged** [GTB15]. **imager** [HZZ10]. **imagery** [BY04, DNH<sup>+</sup>02, HEW15, KI18, SBH<sup>+</sup>01, UY04]. **images** [KCTG16, MCH<sup>+</sup>13, NR06, TAB<sup>+</sup>16]. **Imaging** [HSM11, LCW<sup>+</sup>07, BSX<sup>+</sup>15, BFK<sup>+</sup>14, JOD98, MMY<sup>+</sup>20]. **imbalance** [BHS<sup>+</sup>10, GSB<sup>+</sup>23]. **IMECOCAL** [SMPSG<sup>+</sup>04]. **Immediate** [WPB<sup>+</sup>16, HZYZ10]. **Impact** [AHN23, BCN<sup>+</sup>16, CKH<sup>+</sup>05, CBPT05, DGP20, FM03c, GMM<sup>+</sup>20, GK02, HFL<sup>+</sup>15, JBD<sup>+</sup>09, LWSZ13, LHX<sup>+</sup>22, MTK<sup>+</sup>18, MQACB08, MKS<sup>+</sup>02, ÑB04, OJK<sup>+</sup>10, PSWF19, QW15, RSN01, SVC<sup>+</sup>08, SWZA02, SBG05, SRA<sup>+</sup>09, SBSW07, TB05, VHM17, WHF<sup>+</sup>19, WW04a, WA02, YZZ<sup>+</sup>16, ZWQ<sup>+</sup>19, ARNB01, BRCFP23, BGOL01, Bor01, BSN<sup>+</sup>15, BMT20, CSA<sup>+</sup>09, CLSS15, DCC<sup>+</sup>17, DBG<sup>+</sup>16, DFY<sup>+</sup>23, DB97b, DWW<sup>+</sup>02, Fed13, FWP<sup>+</sup>07, FSG02, FHW06, FPGH02, Fro04, GDYW02, HS01, HBR11, HDW<sup>+</sup>20, JCF<sup>+</sup>06a, KHL<sup>+</sup>15, Kla97, KC00, KC04, Kyt02a, Kyt02b, LCS<sup>+</sup>06, LSNH15,

LLG<sup>+16</sup>, MBH<sup>+96</sup>, Mas02, OE06, ODR<sup>+09</sup>, OM02, OT03, PHOM09, PF04b, PAR<sup>+08</sup>, PS23, PPM02, PDC<sup>+21</sup>, SNH<sup>+23</sup>, SAG<sup>+10</sup>, SRH<sup>+11</sup>, SSH09, SSR13, SRF95, SBB06, SPD<sup>+11</sup>, SSAF02, TSA<sup>+01</sup>, TGFE02, WJD<sup>+00a</sup>, WJD<sup>+00b</sup>, WP17, WTSP07, WL02, YHK15, vHSM04b, vOSG<sup>+11</sup>].

**impact-induced** [WL02]. **impacted** [PFDD16, SAW16]. **Impacts** [Arr15, Arr16, FAS<sup>+03a</sup>, HSBT19, HH20, HAE<sup>+15</sup>, HK19, KSU<sup>+08</sup>, LDW22, MBL<sup>+15</sup>, PSA14, SSC<sup>+23</sup>, SYK<sup>+13</sup>, TTL<sup>+16</sup>, VSC<sup>+11</sup>, ARLA03, AJP<sup>+22</sup>, BT98, CTCD05, CTT09, CKB<sup>+07</sup>, DWM<sup>+15</sup>, EZB<sup>+20</sup>, ETD<sup>+11</sup>, FPB<sup>+14</sup>, GDIK02, KYW20, KIN<sup>+10</sup>, KHL<sup>+01</sup>, LH08, bLHsL<sup>+13</sup>, MWT<sup>+17</sup>, MDTG13, OBRJ01, OGJ<sup>+19</sup>, Pas18, SM12, SZB<sup>+19</sup>, SMB03, VAT23, WLM23, WPB<sup>+16</sup>, WNHF<sup>+15</sup>, WBA03]. **impedance** [JLAD95, SGGW11]. **impensum** [WTS08]. **impinged** [BN05]. **implementation** [CLF<sup>+09</sup>, CFZ<sup>+18</sup>, CJF<sup>+98</sup>, KL96a]. **implementing** [MGT<sup>+20</sup>]. **Implication** [WR15, AN05, AN06, KN05, MRRG23, MPS<sup>+21</sup>]. **Implications** [ATN<sup>+12</sup>, CHN<sup>+18</sup>, DZBR95, DGT<sup>+17a</sup>, DVC14, DVCG<sup>+12</sup>, DSE<sup>+14</sup>, DABF<sup>+16</sup>, GGCM17, GNHS05, GMMS05, HBSL01, HHH<sup>+22</sup>, KWW<sup>+12</sup>, MDH08, MCSF15, MCD<sup>+09</sup>, ML20, Mun07, MHG<sup>+17</sup>, PLD<sup>+17</sup>, PP95, PWB<sup>+06</sup>, SM96a, AMN<sup>+02a</sup>, BBB94, BKP<sup>+20</sup>, BMK<sup>+13</sup>, BV04, BL98, BW99a, BBT<sup>+18</sup>, BKS<sup>+10</sup>, CFL<sup>+16</sup>, DLB02, FSCC07, GKH<sup>+07</sup>, GPF16, GDAMS19, GTB15, GMC97, HS96, HC15, HHMF11, HSBT19, HAF<sup>+15</sup>, HFK<sup>+02</sup>, IAA96, KEPZ93, KS10, KND<sup>+08</sup>, LGP<sup>+15</sup>, MGHN01, MS06a, MBK08, MHB<sup>+95</sup>, MHA<sup>+15</sup>, MCJ<sup>+99</sup>, MBM<sup>+00</sup>, MES97, MKH<sup>+05</sup>, NC97, NKD<sup>+08</sup>, NSMBN08, ÖCB<sup>+04</sup>, PFP02, PWMC01, PABH07, RdGM<sup>+09</sup>, RSWG04, RE98, RI05, SKS<sup>+16</sup>, SNPS01, SRF95, SFK<sup>+12</sup>, SKM<sup>+12</sup>, TRHA01, VGF02, WWH97, ZWC<sup>+15</sup>]. **implies** [PLGCL09]. **Importance** [CSW<sup>+17</sup>, CMG<sup>+12</sup>, DSBS20, KWF<sup>+19</sup>, RSR<sup>+00</sup>, BT15, BLOM93, BAD<sup>+14</sup>, CAFK03b, CSGC03b, DCR94, DB02, EGG<sup>+05</sup>, Gag04, Hei02, HK08, IIM02, JRJ<sup>+22</sup>, KM05a, Lin16, MHFM15, RG06a, SJST13, TRWB99, TMTR14, VGBGPA02, MTE<sup>+02</sup>]. **Important** [PRDB<sup>+17</sup>, DM16b, GKGW22, LZL<sup>+22</sup>, Loh08, MM14, SDB<sup>+19</sup>, WTA<sup>+18</sup>]. **imposed** [LTH05]. **imprint** [BCWT00]. **improved** [BFA<sup>+08</sup>, HDGM19, KMK<sup>+20</sup>, PW15, SBL<sup>+18</sup>, XA09]. **improvements** [TAB<sup>+16</sup>]. **improving** [JEK<sup>+15</sup>]. **in-** [ONRW10]. **In-situ** [SAL95, BB03, GMR06, LFPC14, MRM<sup>+12</sup>, TPP<sup>+20</sup>, WC06b]. **inactive** [EMV09, LMKL09]. **Incidence** [YLG<sup>+18</sup>, BCN<sup>+17</sup>, BTR20]. **incident** [WPB<sup>+16</sup>]. **including** [CPM<sup>+18</sup>, CGG<sup>+19</sup>, EMG<sup>+15</sup>, GJ11, Joh19, LPA<sup>+17</sup>, MBP<sup>+20</sup>, VTD<sup>+20</sup>, Zül05]. **incorporated** [CAJE15]. **Incorporating** [LLC17, GJ11, IHPA16]. **Incorporation** [IABR<sup>+17</sup>, ME02]. **Increase** [PWF03, Ber01, CV17, JS14, LMDW06, Met09, SGB14]. **increased** [BCVCHW04, LL01]. **increases** [NW01]. **Increasing** [EGG<sup>+05</sup>, JMP<sup>+19</sup>, CFGR07, XWZ24, vHHH<sup>+11</sup>]. **incubation** [BDO00, BZS<sup>+16</sup>, Blo02, CMT93]. **incubations** [LLB<sup>+00</sup>]. **incubator** [MTK<sup>+14</sup>]. **Indented** [PFW<sup>+09</sup>]. **independent** [LTG<sup>+09</sup>, LPK<sup>+17</sup>, OLP<sup>+20</sup>]. **INDEX**

[Sha01, ACK<sup>+14</sup>, Ano98f, Ano99e, Ano00e, Ano95g, Ano96a, Ano01a, DW15b, GQ09, GGP<sup>+14</sup>, JRGLJ<sup>+19</sup>, MCBC08, SBR<sup>+97</sup>, SdS01]. **India** [FL02, RV00]. **Indian** [ACD<sup>+17</sup>, Ano05c, AJR<sup>+15</sup>, BSM01a, BHS<sup>+19</sup>, BHT22, BBE<sup>+13</sup>, BNKJ23, CHG20, CG21, CBA<sup>+20</sup>, DNR20, DRR17, DT03, DBL<sup>+19</sup>, GHGMI05, GMMS05, HLG<sup>+21</sup>, HNM<sup>+20</sup>, HRX17, HB19, HBVG20, HBVG22, JFK<sup>+10</sup>, KNV<sup>+10</sup>, LBSB<sup>+17</sup>, LDBS<sup>+17</sup>, LFKF<sup>+17</sup>, MV19, Met09, MSBS01, NG10, NRSL17, NMR10, NRH<sup>+20</sup>, PMS<sup>+20</sup>, PR17, RGTV97, RBA<sup>+01</sup>, RTM<sup>+20</sup>, RSN01, RAB<sup>+17</sup>, Rog17, SAKP<sup>+22</sup>, SdS01, SRW<sup>+10</sup>, STB<sup>+17</sup>, SSI19, SBC17, TSSR20, ULH<sup>+21</sup>, Urb20, VAM97, VHS97, VTD<sup>+20</sup>, VKM<sup>+10</sup>, dSSB<sup>+01</sup>, AVA23, ARLA03, ADE22, AA15, ACSG15, AMP<sup>+03</sup>, ATLD<sup>+20</sup>, ACR<sup>+20</sup>, ADAM02, BRG<sup>+19</sup>, BBM<sup>+08</sup>, BFT<sup>+97</sup>, BSG<sup>+02</sup>, BSRB17, BHHM<sup>+12</sup>, BBV00, BMO93, BLOM93, CRA<sup>+20</sup>, DS21, DBR22, DSN<sup>+20</sup>, DMW<sup>+07</sup>, Duc93, DDB<sup>+97</sup>, FLM10, FML<sup>+93</sup>, FM03b, FM03c, FMO02, Gai97, GMM<sup>+20</sup>, GBL<sup>+08</sup>, GPCT23, GAJ<sup>+13</sup>, GVD<sup>+97</sup>, GFW07, HCL<sup>+22</sup>]. **Indian** [HPWP07, HBV19, HMA20, HAD19, JBC<sup>+21</sup>, Jen03, KK19, KOO<sup>+24</sup>, KQ02, KCMT<sup>+20</sup>, KIS02, KBV<sup>+97</sup>, KMD<sup>+11</sup>, KVL<sup>+19</sup>, KL96c, KIY<sup>+05</sup>, LCW20, LHD<sup>+22</sup>, LPFS97, LQF<sup>+02</sup>, LGP<sup>+15</sup>, MMXS02, MT15, MFPL19, MAN<sup>+20</sup>, MGT<sup>+20</sup>, MB03, MTE<sup>+02</sup>, MPJ<sup>+13</sup>, MKT<sup>+15</sup>, MV19, MHA<sup>+15</sup>, MWT<sup>+17</sup>, MWF<sup>+19</sup>, MMJ<sup>+03</sup>, MBT97, MBO07, NGS<sup>+15</sup>, NGS<sup>+20</sup>, NGM<sup>+20</sup>, NSKG96, NGM<sup>+05</sup>, NDD<sup>+14</sup>, OFD<sup>+22</sup>, OvdRvA<sup>+22</sup>, OB22a, OB22b, OBM<sup>+93</sup>, PDA<sup>+20</sup>, PKW07, PJC19, PPB<sup>+22</sup>, PMJ20, PKZ93, PZP93, PDG<sup>+03</sup>, PPR<sup>+20b</sup>, RHL<sup>+22</sup>, RBMY02, RAS23, RP17, RGHN<sup>+97</sup>, RMG<sup>+23</sup>, SGA<sup>+15</sup>, SLC<sup>+20</sup>, SPSM23, SG99, Sha01, SMP<sup>+15</sup>, SMB02, SBN<sup>+15</sup>, SBA<sup>+20</sup>, SBR<sup>+97</sup>, SWCB02, SSJ<sup>+22</sup>, SVS<sup>+20</sup>, SZB<sup>+19</sup>, SJJ19, SB22, TB97, TPW07, TBPS22, TPS<sup>+15</sup>, TRB<sup>+19</sup>, ULH<sup>+21</sup>, VIY02, VGF02, WC24, WO99, WST15, Wei99, WMC06, WSFB02, WNA<sup>+10</sup>, XWZ24, ZW23, ZDW<sup>+20</sup>, Zon97, ZGGF22]. **Indian-Ocean** [MMJ<sup>+03</sup>]. **Indian/Atlantic** [MB03]. **indicate** [BSS<sup>+00</sup>, CCBL14]. **indicates** [JHHK14]. **indication** [CRS<sup>+19</sup>, LAP<sup>+17</sup>, RBP<sup>+94</sup>]. **Indications** [RPZ<sup>+14</sup>, SHWW22]. **indicative** [GSB<sup>+23</sup>]. **indicator** [AMJRD19, ACH02, ADE22, BHB<sup>+07</sup>, HCRX16, KME18, KBR18, SLdB<sup>+15</sup>, SAB08]. **indicators** [BGG<sup>+09</sup>, BHS<sup>+10</sup>, CBB<sup>+00</sup>, CKL03, HdVGHM02, Pee97, RBA<sup>+01</sup>, SPW<sup>+22</sup>, WSB08]. **indices** [IABR<sup>+17</sup>, TSWJ12, WCS07, WLT20]. **Indies** [MS18]. **indigenous** [HBB<sup>+13</sup>, KR07]. **indirect** [RTC<sup>+07</sup>]. **Individual** [TCEW07, CCH95, GSC<sup>+19</sup>, HPH<sup>+16</sup>, KY17, SOS01, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, ZOB<sup>+96</sup>]. **individual-based** [GSC<sup>+19</sup>, HPH<sup>+16</sup>, KY17, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>]. **Indonesia** [CSS<sup>+10</sup>]. **Indonesian** [DHCV19, GGI03, HSO04, PHS03, SWK<sup>+23</sup>, SPH<sup>+03</sup>, TSS<sup>+21</sup>, VGF02]. **induced** [AGL<sup>+19</sup>, BLM13, BTUV08, CDJ<sup>+22</sup>, EB01, FBCP01, GDL22, GBD<sup>+11</sup>, HOD<sup>+09</sup>, HF21, KHL<sup>+15</sup>, KWT<sup>+16</sup>, LLK<sup>+09</sup>, MPPR14, MAR<sup>+17</sup>, MSTT07, NI10, OCL<sup>+08</sup>, STN<sup>+06</sup>, SVC<sup>+08</sup>, SP00, SD22, VLSS<sup>+04</sup>, WDFK<sup>+22</sup>, WDD<sup>+22</sup>, WZZ<sup>+23</sup>, Web19, WL02, YLU<sup>+14</sup>, YOI<sup>+09</sup>, ZDA<sup>+16</sup>].

**industries** [HSSH23]. **inermis** [HPL<sup>+</sup>12]. **inertia** [MSJS08, SMD06].  
**inertial** [CW22, KHL<sup>+</sup>15, LDX<sup>+</sup>23, PF06, ZL23]. **infauna**  
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 [CAC<sup>+</sup>97, BH94, BN04, BMOW09, CKB<sup>+</sup>07, GMBL10, LT03]. **inference**  
 [GWDP11, IHPA16]. **Inferences** [DKZP16, LLB<sup>+</sup>00, LPL<sup>+</sup>20]. **inferred**  
 [CFV<sup>+</sup>18, DNH<sup>+</sup>02, EBG<sup>+</sup>11, GNT<sup>+</sup>17, LWA<sup>+</sup>04, LH08, MHC<sup>+</sup>10, NMS09,  
 RKM23a, SCH<sup>+</sup>19b, SCH<sup>+</sup>19a, WEB93, WYPY06, YFL<sup>+</sup>23, YKO15]. **inflow**  
 [JC03, SABP<sup>+</sup>16, YFL<sup>+</sup>23]. **inflow/outflow** [YFL<sup>+</sup>23]. **Influence**  
 [BCG04, CBHF10, DLL<sup>+</sup>15, DKI<sup>+</sup>00, EWBW99, GRD<sup>+</sup>08, GSdS<sup>+</sup>14, Hat02b,  
 HAGW<sup>+</sup>13, JWC09, JDL<sup>+</sup>22, JAM<sup>+</sup>14, LCW20, LT16, MK21, MHTZ19,  
 MCH22, MARFP08, OCG<sup>+</sup>09, PBMM14, RV00, RYT01, SDL22, SRFR07,  
 SDAH<sup>+</sup>12, TC06, ALWW04, AKBD13, BMC99, BC05, BCVCHW04,  
 BMH<sup>+</sup>94, BHHM<sup>+</sup>12, CMB02, DBD03, DZL<sup>+</sup>17, DVPR06, ECS<sup>+</sup>17, Gau07,  
 GdRGLS04, HCHD09, HS93, HNB<sup>+</sup>13, JRK<sup>+</sup>17, KKD06, KGHA<sup>+</sup>01,  
 LTG<sup>+</sup>09, LWB<sup>+</sup>20, LTW<sup>+</sup>22, LPM<sup>+</sup>15, LPPK14, MBNRB08, MT15,  
 MBS<sup>+</sup>13, MMT08, MW06, PGK14, QSA<sup>+</sup>09, RIHGS00, RNP93, SGW<sup>+</sup>15,  
 ŠHW<sup>+</sup>04, SMH<sup>+</sup>11, SMB<sup>+</sup>18, SLLT10, Tho97, TWG00, UIS<sup>+</sup>03, VGSV09,  
 VPA<sup>+</sup>09, VOK<sup>+</sup>24, WC06a, WH01a, WRS99, XZM<sup>+</sup>23, Ynd09, ZAC<sup>+</sup>15].  
**influenced** [ATLD<sup>+</sup>20, BMD<sup>+</sup>17, CCZ<sup>+</sup>21, CJM<sup>+</sup>22, DRVVS<sup>+</sup>14, HSC<sup>+</sup>07,  
 KTP<sup>+</sup>05b, LRL<sup>+</sup>22, MMM<sup>+</sup>00]. **Influences** [CCL<sup>+</sup>14, FC09, BGCH20,  
 CMC11, DVS<sup>+</sup>14, DGN<sup>+</sup>17, LDBS<sup>+</sup>17, Pal04, PTWM12, RBH<sup>+</sup>20, RMK<sup>+</sup>14,  
 SG99, SNMH18, SB22, TSWJ12, WPLN96, Wil98]. **influencing** [CBSS02,  
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 [HM14, BC08, IABR<sup>+</sup>17, MPJ<sup>+</sup>13, NHS<sup>+</sup>13, SLD<sup>+</sup>13, SCQ<sup>+</sup>09]. **informed**  
 [SPW<sup>+</sup>22]. **infrared** [MCS07, MRD13]. **infusions** [STF09]. **ingestion**  
 [ADS<sup>+</sup>02, ABB<sup>+</sup>01, LWB<sup>+</sup>07]. **inhabiting**  
 [DMH19, FARLR<sup>+</sup>13, GBP21, KG20, LMG17, MZH16, NHH<sup>+</sup>13]. **inherent**  
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 [MH93, AMP<sup>+</sup>03, SMSA05]. **initiative** [Col16]. **injuries** [SEM16]. **Inland**  
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**inner-shelf** [SMR<sup>+</sup>06]. **innovations** [MPM<sup>+</sup>16]. **inordinate** [BLS09].  
**inorganic** [Ano95b, BWL01, BBH05, BDW<sup>+</sup>98, DLF<sup>+</sup>09b, HCRX16,  
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 PPFS17, RZL<sup>+</sup>10, SMY<sup>+</sup>98, SMS<sup>+</sup>07, TT01, TA01, WPG<sup>+</sup>07, WKM<sup>+</sup>07a,  
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 [Aar03, BD94, SRH<sup>+</sup>11, Tho97, CRS<sup>+</sup>19, CL15, DLW<sup>+</sup>17, GCN<sup>+</sup>97, HWL06,  
 LGF03, LCW<sup>+</sup>07, RPF01, RBP<sup>+</sup>94, UIS<sup>+</sup>03, VOK<sup>+</sup>24]. **inputs**  
 [DDB<sup>+</sup>17, DBH<sup>+</sup>20, GMC97, HSC<sup>+</sup>07, KMT20, LLLP<sup>+</sup>03, MHFM15,  
 PWR05, SSB<sup>+</sup>17, SZB<sup>+</sup>19, TPGCCS<sup>+</sup>02, WLM23, YBHM05, ZLJ08].  
**Inshore** [DO19, CGR<sup>+</sup>00, Zim19]. **Insight**  
 [RTI<sup>+</sup>16, XZW<sup>+</sup>19, OS02, WGW<sup>+</sup>19, YLD09]. **Insights**  
 [AGPR95, AT10, AELP14, BRPH20, DQC14, HWS<sup>+</sup>13, KCZ<sup>+</sup>19, LBM10,

LEP14, MRB<sup>+14</sup>, MMTT<sup>+20</sup>, MPF<sup>+17</sup>, NCSO13, SKD<sup>+16</sup>, SRFR07, TPW<sup>+16</sup>, TA01, TDC08, BVB14a, BAF<sup>+18</sup>, DJ15, DBBWH20, FC15, FCG18, GHM18, HNS<sup>+11</sup>, Jaž15, KWA<sup>+20</sup>, KW00, LWWF18, MTD<sup>+18</sup>, OBH<sup>+18</sup>, PTO<sup>+16</sup>, SBE<sup>+07</sup>, WWHT20, WCL<sup>+15b</sup>, WPSB11]. **insolation** [HMA20]. **inspinata** [KYI10a, KYI10b]. **instabilities** [WCL22, XWZ24]. **instability** [DJFK<sup>+22</sup>, Joh96, LHX<sup>+22</sup>, SPD<sup>+11</sup>, TTFJ13, Vri13]. **instrument** [MCS07]. **instrumentation** [BSJ13, GUSB03]. **instrumented** [CKH<sup>+08</sup>]. **insular** [OGJ<sup>+19</sup>]. **intact** [BJF16]. **intake** [AKK<sup>+17</sup>, MTE<sup>+02</sup>]. **Integral** [SWC<sup>+02</sup>]. **Integrated** [BFL<sup>+20</sup>, BFD<sup>+23</sup>, BLI<sup>+09</sup>, CML<sup>+14</sup>, DB16, GO10, MWFS17, ZDO19, CA06b, CTH<sup>+98</sup>, DLR<sup>+01</sup>, GMB13, GBS<sup>+22</sup>, HD14, LBD<sup>+22</sup>, POA<sup>+16</sup>, RDSA<sup>+21</sup>, SPW<sup>+22</sup>, SZB<sup>+19</sup>, WCRG95, WKM<sup>+07a</sup>, Zim19]. **Integrating** [BH14]. **integration** [MK19, SDK<sup>+16</sup>, SCQ<sup>+09</sup>]. **Integrative** [KBK<sup>+18</sup>, DGT17b, Pör06]. **integrity** [SC16]. **Intense** [SF08, BNFS01, Gol93, KGB06, LMA08]. **Intensity** [WZB<sup>+14</sup>, DPLB94, FMH<sup>+02</sup>, KKK<sup>+17</sup>, MDTS08, ML20, MHSV18, NAT<sup>+12</sup>]. **Inter** [CTW<sup>+15</sup>, DEJ08, FMS08, HS07, HXC<sup>+22</sup>, RLH<sup>+03</sup>, RLB03, WGST08, ARWM13, BSMV03, BLS<sup>+03</sup>, BT04, BD06, DIM<sup>+12</sup>, HPS<sup>+13</sup>, HLL<sup>+10</sup>, HHH<sup>+14</sup>, HZT<sup>+06</sup>, MDI<sup>+12</sup>, PPZ93, PLHMA06, RMBG11, SMLP04, SVKT20, SMS03]. **inter-** [ARWM13]. **Inter-annual** [CTW<sup>+15</sup>, FMS08, HXC<sup>+22</sup>, WGST08, BT04, BD06, HLL<sup>+10</sup>, HHH<sup>+14</sup>, HZT<sup>+06</sup>, PLHMA06, RMBG11, SMLP04, SMS03]. **inter-colony** [HPS<sup>+13</sup>]. **inter-comparison** [SVKT20]. **inter-comparisons** [DIM<sup>+12</sup>, MDI<sup>+12</sup>]. **Inter-decadal** [HS07]. **inter-monsoon** [BSMV03, PPZ93]. **Inter-ocean** [RLH<sup>+03</sup>, RLB03, BLS<sup>+03</sup>]. **Inter-specific** [DEJ08]. **Interaction** [BMP<sup>+09</sup>, LZC<sup>+16</sup>, RTM14, Arm03, FWS94, HMLS<sup>+06</sup>, HZK04, HON<sup>+13</sup>, KM05a, KFJ<sup>+05</sup>, MBC<sup>+09a</sup>, Mun07, PP20, QC10, RPM07]. **Interactions** [Ano05b, BF14, GH05, GHS09, BK99, BKS<sup>+10</sup>, CBG02, CHV<sup>+15</sup>, DYEJ08, Ham07, Hen19, JB01, KB99, KCA05, LDG94, LSHB09, MSC<sup>+19</sup>, MSH<sup>+07</sup>, MHP<sup>+07</sup>, MGG<sup>+09</sup>, PFP02, Pak04, PGFP<sup>+08</sup>, PE17, Rai14, RSWG04, RDW<sup>+12</sup>, Ros99, SSC<sup>+23</sup>, SH10, TVL<sup>+00</sup>, TBSP<sup>+18</sup>, UKM16, WB96, dCHdOF<sup>+18</sup>]. **Interactive** [BZS<sup>+16</sup>]. **Interannual** [ALT<sup>+13</sup>, Bat01, BRD<sup>+18</sup>, BMS99, BWC<sup>+02</sup>, CBBM12, DD15a, DD15b, DRS10, DFK<sup>+06</sup>, DFMG01, FM03b, dITGCAB<sup>+03</sup>, KIS02, LSM96, MCL<sup>+19</sup>, MAST05, Men23, MiSW08, NBB<sup>+02</sup>, OYM<sup>+13</sup>, OHS10, PF02, PMS<sup>+20</sup>, PKR<sup>+01</sup>, PFC19, PK03, RBMY02, SH00, SHN<sup>+07</sup>, SHFM01, SSP<sup>+06</sup>, WSLP10, AMJRD19, AGGdC14, ACK<sup>+14</sup>, Ano96g, ATS<sup>+96</sup>, ABC<sup>+05</sup>, BMK96, BHHM<sup>+12</sup>, CWS05, CVM<sup>+01a</sup>, CMW<sup>+08</sup>, CRR01, CPH01, CS19, Dal04, DDN<sup>+04</sup>, DLF<sup>+09b</sup>, FBC<sup>+02</sup>, FGW02, HK01, HTW14, KCD<sup>+96</sup>, KTL<sup>+00</sup>, Lad14, LDWK96, LHM14b, MPZ04, MHS01, MHG<sup>+04</sup>, MCPA02, MC02, MMH<sup>+08</sup>, MBC<sup>+20</sup>, MBC<sup>+09b</sup>, OGRdO18, Roy05, SRY04, SIS<sup>+02</sup>, SMS<sup>+08</sup>, SFB19, UIS<sup>+03</sup>, VCDAL14, WMM02, WWC<sup>+99</sup>]. **Interbrood** [GGRJD<sup>+10</sup>]. **Intercalibrated** [NDT<sup>+01</sup>]. **Intercomparisons** [OCKA<sup>+11</sup>]. **Interdecadal** [GLCP12]. **interdisciplinary** [MDS<sup>+16</sup>, RKB18, VBF<sup>+02</sup>].

**interest** [DHS<sup>+</sup>14]. **interface** [GW98, Pap05a, RGHN<sup>+</sup>97, SKGD14].  
**interfrontal** [HYK<sup>+</sup>02]. **interglacial** [HFM<sup>+</sup>02, LRM07, Mun07, NGM<sup>+</sup>20].  
**intergovernmental** [GKB19]. **Intergradation** [ZJFV15]. **interior**  
 [HM93, HDCM95, HDPI99, HFM<sup>+</sup>00, HdBB<sup>+</sup>02, MFPL19, MS06b, RvAH10,  
 TKF16, TBB<sup>+</sup>08, XZM<sup>+</sup>23]. **interleaving** [JLM20]. **Intermediate**  
 [BSZ99, KOR06, MBT97, NRBO<sup>+</sup>05, PG97, You99, You10, BTP<sup>+</sup>18,  
 CDDC03, CMAO<sup>+</sup>12, CKS05, HYK<sup>+</sup>02, KL96b, KFS<sup>+</sup>10, Las93, LRM<sup>+</sup>02,  
 MAK<sup>+</sup>16, MWB<sup>+</sup>09, MDK<sup>+</sup>01, PRB<sup>+</sup>11, RG03, SLDL93, SVKT20, TNT<sup>+</sup>15,  
 YLBdR03, LOA13]. **Intermittency** [BASLK04]. **intermittent**  
 [SS05a, SS05b]. **intermolt** [CM01]. **Intermonsoon**  
 [MGHN01, Sam01, DLL<sup>+</sup>15, FLTV97, KDG<sup>+</sup>97, SPSM23, WT14, WO99,  
 Wei99, CD99, DCM<sup>+</sup>99]. **Intermonsoona** [LB98a]. **Internal**  
 [GLM04, GK04, NOLASZ04, PHM06, PFDG08, SHA04, SFD04, WTJ<sup>+</sup>19,  
 ASM06, BVGE<sup>+</sup>06, HAC<sup>+</sup>14, Hol06, JMW<sup>+</sup>20, JR15, LH06, MS06b,  
 PTM<sup>+</sup>16, San13, SN04, TCM<sup>+</sup>22, WMB<sup>+</sup>08, WZZ<sup>+</sup>23, WXL<sup>+</sup>23].  
**internal-wave** [MS06b]. **International**  
 [Ano05c, Ano07c, BHT22, HAE<sup>+</sup>17, HB19, HBV19, HBVG20, HBVG22,  
 JM15, Urb20, WMA11, Hem99, MH02, DFF02]. **interocean**  
 [MB03, YLBdR03]. **interplay** [DJC<sup>+</sup>14]. **interpretation**  
 [Mas02, THM<sup>+</sup>13, Tho04]. **Interpretations** [SKM01]. **interspecific**  
 [APMN<sup>+</sup>17, FBBW<sup>+</sup>10, LSWH07, RHM13]. **interstitial** [BAKF03].  
**intertidal** [KI18, MK21, SKL<sup>+</sup>22]. **intertropical** [KK19]. **intervention**  
 [AH17]. **Intra** [Chi96]. **Intra-annual** [Chi96]. **Intraseasonal**  
 [BDR<sup>+</sup>03, TSS<sup>+</sup>21, VV23, PWJF20, PSWF19, SYT<sup>+</sup>10, SSC<sup>+</sup>23].  
**intraspecific** [ARWM13]. **Intrathermocline** [JCP17]. **intricacies**  
 [BFG<sup>+</sup>10]. **Introduction**  
 [BAC<sup>+</sup>15, BDG<sup>+</sup>04, BEG07, BL08, CH11, CPM<sup>+</sup>18, Cor10, CG15, DB16,  
 DWJ<sup>+</sup>15, DH93, FdBGP11, FH09, GO15, GSF<sup>+</sup>19, GSF<sup>+</sup>20, Har11,  
 HWCT08, HWCT11, HD07, HWJ20, IKQU03, MRR93, MB13, MCB18,  
 MGH<sup>+</sup>16, MI06, MJG95, Mur06, NL11, OBH<sup>+</sup>19, PTP09, RLB03, RB13,  
 Rog17, RK08, SMD08, SH10, SBG<sup>+</sup>06, TRO16, UWTS09, WLD15,  
 WBM<sup>+</sup>10, WSSN10, ZS19, Ano99a, BNM08, BFF94, BD94, BL01a, CA06b,  
 CHS17, CM99b, DKSF01, FL04, GMCF19, GG02, HS13, HH20, Liv95, LS14b,  
 MM97, ML04, RP17, RJ05, STM04a, STM04b, SD98, SAM<sup>+</sup>00, SHR20,  
 SBvdL<sup>+</sup>02, SYB<sup>+</sup>11, Thi01, VNA<sup>+</sup>16, VHS97, WCB08, WC01a, vHSM04b].  
**Introductory** [MT11, WTP<sup>+</sup>07]. **intrusion** [Bak98, WCSA<sup>+</sup>16]. **intrusions**  
 [FHP94, KL96b]. **Invader** [EMB<sup>+</sup>22, MES<sup>+</sup>23]. **invariants** [Abr19].  
**Invasion** [PK08, KMS<sup>+</sup>02, TY98]. **inventories** [CG18, PHK<sup>+</sup>14]. **inventory**  
 [Ang10, DDS11]. **Inverse**  
 [VS99, DRD06, HZL94, RJDR06, SH99a, SH99b, Sch02a, VSR<sup>+</sup>00].  
**Inversion** [SVS<sup>+</sup>20, PSE<sup>+</sup>93]. **Invertebrate**  
 [PDT11a, SM96b, ARB<sup>+</sup>13, BFS<sup>+</sup>17, HSR<sup>+</sup>22, KBKW13, NCSB<sup>+</sup>98,  
 RLB<sup>+</sup>18a, TRB98, WACGH11, WAM<sup>+</sup>18]. **invertebrates**  
 [HT17, KMA<sup>+</sup>18, LBE06, LWJR22, LT03, PDK<sup>+</sup>14, WR09, WGMC14].

**investigate** [AWL<sup>+09</sup>, PDA<sup>+17</sup>, PLA<sup>+17</sup>, vBBR<sup>+08</sup>]. **investigated** [JBR<sup>+18</sup>]. **Investigating** [BDL<sup>+14</sup>, BAD<sup>+14</sup>, ESA<sup>+09</sup>, EAS<sup>+09</sup>, GHÖ<sup>+13</sup>, Loh08, SHB14, TYBY06, UKM16]. **Investigation** [CH24, HSO04, JDL<sup>+12</sup>, WTI<sup>+20</sup>, CW18, GDYW02, KDMH18, LKK<sup>+95</sup>, MHB<sup>+23</sup>, NHS<sup>+13</sup>, PS05, RGS<sup>+15</sup>, ROBV<sup>+18</sup>, TPP<sup>+20</sup>]. **Investigations** [LAC<sup>+09</sup>, Bas19, GBO01, HBBD03, LCT<sup>+07b</sup>, LCL<sup>+09</sup>, LKTS01, Mal04, MSSD93, PLS<sup>+03</sup>, PdBK<sup>+03</sup>, SC16, MAH<sup>+12</sup>]. **investment** [RHM13]. **IO9N** [BRG<sup>+19</sup>]. **IOC** [CM99b, ZMYS13]. **IOC/WESTPAC** [ZMYS13]. **IOD** [KK19]. **iodate** [BCH<sup>+11</sup>]. **iodide** [BCH<sup>+11</sup>, FLTV97]. **Iodine** [FL02, CFJL96, WZ03]. **IODP** [AKI<sup>+16</sup>, OTN16, WOM<sup>+16</sup>, Zar16, DF16, Hus16, IOTS16, ITK<sup>+16</sup>, KOS<sup>+16</sup>, KKT16, LSOM16, OM16, PBVC<sup>+16</sup>, SKS<sup>+16</sup>, TSOT16]. **Ionian** [BFT10, BLSS10, MSA<sup>+14</sup>, PVK<sup>+20</sup>, RBCG10, SC10, STD<sup>+20</sup>, CMVS<sup>+10</sup>, DM16a, ESL<sup>+10</sup>, MTR<sup>+10</sup>, TGLN93, VPA<sup>+20</sup>]. **IPY** [SMH<sup>+11</sup>]. **IR6** [SWCB02, WSFB02]. **IRD** [SIA<sup>+05</sup>]. **Ireland** [BRG17, FVSRR14, Rai14, TFR<sup>+10</sup>]. **Iridium** [Kyt02b]. **Irish** [vdLEM<sup>+14</sup>]. **Irminger** [GGDF08]. **Iron** [APL<sup>+23</sup>, AMvD<sup>+12</sup>, BA01, BL01a, CVM<sup>+01b</sup>, FCG<sup>+96</sup>, FBCN00, GBH<sup>+01</sup>, GSMB01, GAL<sup>+12</sup>, GAL<sup>+20</sup>, HMS<sup>+13</sup>, JMSW05, LCvdM<sup>+16</sup>, LLK<sup>+09</sup>, MFG<sup>+93</sup>, MDGF01, MSH<sup>+07</sup>, MHP<sup>+07</sup>, ÖCB<sup>+04</sup>, PHD<sup>+11</sup>, PSL07, Qué13, TBC<sup>+17</sup>, TWN<sup>+06</sup>, VSD<sup>+97</sup>, WLL00, WJS<sup>+06</sup>, ZOB<sup>+96</sup>, vdMLB<sup>+11</sup>, AHR<sup>+06</sup>, AISR<sup>+16</sup>, ANI09, ASH<sup>+11</sup>, ACBMQ08, AM02, BTV<sup>+11</sup>, BWL01, BBM<sup>+08</sup>, BSG<sup>+02</sup>, BSL08a, BQT08, BABB08, BML<sup>+06</sup>, BMF<sup>+01</sup>, BGH99, Boy02, BBB<sup>+11b</sup>, BSS15, CGM<sup>+07</sup>, CGSZ13, CSW<sup>+17</sup>, COV<sup>+08</sup>, CJF<sup>+98</sup>, CWTJ03, CHH19, CAÖT04, DVS<sup>+97</sup>, DP99, DVPR06, ESDM13, FAS<sup>+03a</sup>, FME<sup>+09</sup>, FCW<sup>+15</sup>, FGH<sup>+13a</sup>, FBCP01, FC09, GJC98, GGSC03, Had11, HRM<sup>+06</sup>, HBSL01, HOD<sup>+09</sup>, Har06, HTS<sup>+09</sup>, HKN<sup>+09</sup>, HCG<sup>+09</sup>, HNK<sup>+12</sup>, HWS<sup>+98b</sup>, JBS<sup>+13</sup>, JBM<sup>+08</sup>, KSH<sup>+09</sup>, KLM<sup>+11</sup>, KTF07, KNC<sup>+09</sup>, KHE<sup>+11</sup>, LBR<sup>+11</sup>, LF07, LWLS98, LL01, LCS<sup>+06</sup>, LSS<sup>+09</sup>, LSS<sup>+11</sup>, LGO08, LGF03, LSM<sup>+06b</sup>, LRH<sup>+11</sup>, LB98b, LFHM97]. **iron** [MP99, MSK<sup>+06</sup>, MJW<sup>+06</sup>, MSJ<sup>+06</sup>, MBF<sup>+98</sup>, MBS<sup>+13</sup>, MAB<sup>+01</sup>, MLS<sup>+06</sup>, ML20, MMT08, MMC11b, MW06, MC13, MQACB08, NHS<sup>+09</sup>, NKF<sup>+10</sup>, NMH<sup>+06</sup>, NTK<sup>+09</sup>, NSMBN08, NW01, ODH<sup>+07</sup>, OCL<sup>+08</sup>, OSCS00, PCDM11, PHS<sup>+11b</sup>, PSF<sup>+07</sup>, PPL<sup>+07</sup>, PD01, RLD<sup>+15</sup>, ROL<sup>+15</sup>, STN<sup>+06</sup>, STN<sup>+09</sup>, SVC<sup>+08</sup>, SD06a, STF09, STJ<sup>+08</sup>, SMH<sup>+06</sup>, SvdMC<sup>+16</sup>, SH99c, SSUB15, SLT<sup>+11</sup>, SSI<sup>+09</sup>, TYBY06, TGK<sup>+11</sup>, TAL<sup>+12</sup>, TVLB08, TRHA01, TA01, TDC08, TSN<sup>+06</sup>, TSMS09, TNS<sup>+09</sup>, UWTS09, WN01, WTCB09, WTL<sup>+06</sup>, WC06b, YLR18, YET06, YOI<sup>+09</sup>, ZZY<sup>+19</sup>, ZHB<sup>+07</sup>, ISB<sup>+11</sup>, SvdMC<sup>+16</sup>]. **iron-** [ISB<sup>+11</sup>]. **iron-enriched** [HWS<sup>+98b</sup>, MQACB08]. **Iron-enrichment** [ZOB<sup>+96</sup>, CJF<sup>+98</sup>, STN<sup>+06</sup>, STN<sup>+09</sup>]. **iron-enrichments** [HBSL01]. **iron-fertilised** [ASH<sup>+11</sup>, ACBMQ08]. **iron-fertilization** [BSL08a, FC09]. **iron-fertilized** [COV<sup>+08</sup>, JBM<sup>+08</sup>, LGO08, TDC08, TNS<sup>+09</sup>]. **Iron-induced** [LLK<sup>+09</sup>, FBCP01, HOD<sup>+09</sup>]. **Iron-limitation** [PHD<sup>+11</sup>]. **iron-limited** [CSW<sup>+17</sup>]. **Iron-mediated** [BA01]. **iron-stimulated** [NW01].

**IronEx** [CJF<sup>+</sup>98, GJC98, SLW98]. **IronEx-I** [CJF<sup>+</sup>98, GJC98, SLW98].  
**irradiance** [ER05, JEK<sup>+</sup>15, TLR<sup>+</sup>00, VMI<sup>+</sup>08]. **Ischnomesidae**  
 [BSCE15, BB04]. **Ischyroceridae** [BVL04]. **ISDSC5** [MDLvW14]. **Isididae**  
 [STR<sup>+</sup>14]. **Island** [BS03, BAKF03, Can06, CKL03, GUSB03, HNB<sup>+</sup>13,  
 KFG<sup>+</sup>03, KRW03, KL03, LCS16, LWSZ13, PDC<sup>+</sup>99, RHZ<sup>+</sup>03, SBKS03,  
 SBG<sup>+</sup>03, SGD<sup>+</sup>03, SSAF02, ZHY<sup>+</sup>13, BNM<sup>+</sup>07, DNK<sup>+</sup>08, MSTT07,  
 CRBK03, DGN<sup>+</sup>17, ESG<sup>+</sup>17, FPGH02, HVWH09, IAC<sup>+</sup>03, KBW<sup>+</sup>11,  
 KIM08, LCG03, LHKHH10, LT03, MAT<sup>+</sup>12, NKA<sup>+</sup>11, NCR<sup>+</sup>08, SMLP04,  
 SAM<sup>+</sup>13, SE95, SBK<sup>+</sup>16, THJ<sup>+</sup>05, TAL<sup>+</sup>12, WTI<sup>+</sup>20]. **island-induced**  
 [MSTT07]. **islandica** [DKP<sup>+</sup>14]. **Islands**  
 [BZMC20, Can06, CBSS02, DAN23, FWP<sup>+</sup>07, GFPM02, HSD04, HPM02,  
 JRGLJ<sup>+</sup>19, LT03, MNR<sup>+</sup>11, MiSW08, PNLFS02, PNLF02, PNLFS03, PSF<sup>+</sup>07,  
 SCC98, TM22, AMN<sup>+</sup>02a, BCE<sup>+</sup>07, BJK<sup>+</sup>22, BCG<sup>+</sup>22, BSR08, BSRM08,  
 CRJB08, CRJ<sup>+</sup>08, CWEHT22, CHH<sup>+</sup>22, DNH<sup>+</sup>02, DVS<sup>+</sup>14, FRH<sup>+</sup>98,  
 FSK<sup>+</sup>02, HMS<sup>+</sup>13, HKN<sup>+</sup>04, HWS<sup>+</sup>98a, HSR<sup>+</sup>22, JVDH08, KHGL<sup>+</sup>02,  
 LTW<sup>+</sup>22, Loh08, MDJS11, MFN<sup>+</sup>02, MYL<sup>+</sup>98, MKKF18, MDTG13, NHCL14,  
 NSMBN08, PHH<sup>+</sup>16, PNLFS02, PMLM<sup>+</sup>02, PC08, RPA07, RMD<sup>+</sup>12,  
 SMY<sup>+</sup>98, SVJ<sup>+</sup>08, SHC<sup>+</sup>22, SBH<sup>+</sup>02, SKM<sup>+</sup>08, SKMS08, WST15, ZLOR02].  
**Isles** [Pin93, ZHB<sup>+</sup>07]. **isobath** [SKSW02]. **isolated**  
 [CHH<sup>+</sup>22, FMWD07, LH06, LDG94, RHL<sup>+</sup>16, ŽSN<sup>+</sup>18]. **isolates**  
 [BKS<sup>+</sup>10, ER05]. **isolation** [MN10]. **Isopod**  
 [EMG<sup>+</sup>15, BBB<sup>+</sup>07, EGMB13, KBR18, RMBW07, Wil98]. **Isopoda**  
 [GMB18, MB07b, MB07a, MGE13, MB15, Mal15, MFB18, MLBB14,  
 RMBW07, Wil08, BBBM04, BSCE15, BB04, EWP<sup>+</sup>99, EGMB13, Gol15,  
 Gol18, GM22, KBK<sup>+</sup>18, MB18, MG22, RHW04]. **isopods**  
 [BBT<sup>+</sup>18, GMB18, KBB07, RLB18b]. **isoprene** [MW06]. **Isopycnal**  
 [SD22, WPD22]. **isopycnic** [EOB03]. **isotherm** [Yu03]. **isotope**  
 [AF01, ACR<sup>+</sup>20, AKI<sup>+</sup>16, BLM<sup>+</sup>10, Car10, CHM<sup>+</sup>17, CCM<sup>+</sup>20, CHV<sup>+</sup>15,  
 EWBW99, HiI<sup>+</sup>19, HiII<sup>+</sup>20, HFK<sup>+</sup>02, HAM<sup>+</sup>15, JSM<sup>+</sup>16, JHHK14, Kli09,  
 KHH<sup>+</sup>17, LL13, LPL<sup>+</sup>20, MSW<sup>+</sup>13, MBB<sup>+</sup>14, MKKF18, NMH<sup>+</sup>06, NMS09,  
 NESB<sup>+</sup>15, PHD<sup>+</sup>18, PGFP<sup>+</sup>08, PCP<sup>+</sup>17, RTC06, RKM23a, RPF<sup>+</sup>16,  
 SAM<sup>+</sup>12, STS11, TSW<sup>+</sup>12, TNT<sup>+</sup>15, VCO<sup>+</sup>15, WKM<sup>+</sup>07a, WYPY06,  
 WCJ97]. **isotope-size** [HAM<sup>+</sup>15]. **isotopes**  
 [AHV<sup>+</sup>00, ATN<sup>+</sup>12, BFM<sup>+</sup>14, BSS<sup>+</sup>00, BJ15, CGM<sup>+</sup>07, CBB<sup>+</sup>00, CRM<sup>+</sup>16,  
 CMVS<sup>+</sup>10, DRH<sup>+</sup>09, DBMI17, FdBGP11, FCW<sup>+</sup>15, GLCU<sup>+</sup>17, GNT<sup>+</sup>17,  
 JLL<sup>+</sup>15, KM05a, LNDH<sup>+</sup>17, RSW<sup>+</sup>13, RTI<sup>+</sup>16, SRFR07, SSR96, SDLZ13,  
 TDC08, VvdLS11, WWH<sup>+</sup>10, vBBR<sup>+</sup>08]. **Isotopic**  
 [ACV<sup>+</sup>01, BSR<sup>+</sup>18, SBM<sup>+</sup>18, WWHT20, ACBV<sup>+</sup>18, AHV<sup>+</sup>17, CTGD08,  
 CFV<sup>+</sup>18, CH07, ÇYAYT06, CML<sup>+</sup>09, FDC<sup>+</sup>18, GHM18, GBH<sup>+</sup>17,  
 GIPLL<sup>+</sup>14, HKFL03, KLL03, KCZ<sup>+</sup>19, KR95, KYKJ16, LKH<sup>+</sup>07, LGP<sup>+</sup>15,  
 LSL<sup>+</sup>15, MC18a, MWK<sup>+</sup>18, NCSO13, OTNT05, PVK<sup>+</sup>20, PBVC<sup>+</sup>16,  
 PGK15, ROL<sup>+</sup>15, SHWW22, SHR02, Sot09, STR<sup>+</sup>14, VCRDF99, WMH<sup>+</sup>07,  
 WCWW99, WCL<sup>+</sup>15b, ZCG<sup>+</sup>12]. **isotopomer** [WYPY06]. **isotopomeric**  
 [CFV<sup>+</sup>18]. **ISPOL** [BG08, HSH<sup>+</sup>08, McP08]. **Israel** [BBS<sup>+</sup>20]. **Israeli**



[BBAL+20]. **issue** [MI06, STM04a, STM04b, TTL+16, ZS19]. **issues** [MGT+20]. **Italy** [ESL+10]. **ITF** [SWK+23]. **IV** [NVBJ08, VNA+16].

**J** [Ano97b, Ano97c]. **J.** [Lut09, SPS+09]. **JADE** [SWCB02, WSFB02].

**Jakarta** [DHCV19]. **Jan** [NA09]. **January**

[ZHB+07, Ano98h, Ano99g, Ano00g, Ano22p, BPRS11, CTBNL08, CHU+00, DDK+00, GR10, HWN+04, JKK+10, NPBS00, SKW+04, SGW+00, SKH10b, WGB+04, WRBS10, WvdE00, YTF02]. **January-February** [GR10].

**January/February** [HWN+04, SKW+04]. **Japan**

[ADGA06, MB13, Sco05, SSK+05, SSK+07, SHM+07, TMP+13, YK04, YKSI19, Ala13, ADGA05, BPBJ13, BEB+13, CC13, Che13, CHT+13, DFY+23, DBL+05, EGMB13, FM13, FB05, GBPB+13, Gri13, HFKY05, HH05, IPTH03, JCP17, JKP+17, JSP+17, Kam13, KM05b, KJL+17, KLTS13, KBKW13, KFJ+05, KOT+20, KHL+17, KHH+17, LN05, LJL+17, LVP13, MA13, MGE13, Mar13, MW05a, MW05b, MBS05, NMS09, PW05, PK13, PKHH17, PRJW05, RJ05, SS13a, SSY+05, SNIT02, Ste13, UC13, VKM13, WP17, YAOW05, YCYK10, ZSKL19]. **Japan/East**

[ADGA06, YKSI19, ADGA05, DBL+05, FB05, HH05, KM05b, KFJ+05, LN05, PW05, PK13, PRJW05, RJ05, SSY+05, YAOW05]. **Japanese**

[Har06, HK19, Ike03, KUT+20, KT06, KKUK10, LTL+23, MWT+17, WWH+10, YK05, YFY+10]. **japonica** [HK19, KT06, Mar13]. **japonicus**

[HiII+19, HiII+20, LTL+23, WWH+10]. **JASON** [RSH10]. **Java** [SWK+23].

**Jaw** [LWB+07]. **Jellies** [RHK+10]. **jellyfish** [PHKW10]. **Jenkins** [JR11].

**Jenkins** [Eif05]. **Jenny** [MS18]. **jerichonana** [ZJFV15]. **Jersey** [RGS+15].

**JES** [KM05b]. **jet** [BPS00, WGB01, ZV13, BMM+99]. **jets** [RF99, SBG05].

**JGOFS**

[Ano96g, Ano06d, BMK96, DKSF01, LMB+98, MK96, MCG+98, MJG95, RD97, SH00, SMBM99, SKM01, SA03, SCB+01, ZDWR95, BRPI02, BAH+95, CGR+96, DGN96, DH93, DBC+02, FK98, Fri01, GGH98, GGH+00, GCD+06, Har96, IF95, KFH01, KD01, LFM02, LDFS93, MFG+93, Mar02, MLD97, Qua97, RMC+93, RDG+95, RSD+97, SYS05, SDB+97, TOP95, WZW+95].

**JGOFS-equatorial** [BRPI02]. **JGOFS/ONR** [KFH01]. **Joint**

[AS01b, DD06, SAM+00, BPBJ13, BHJ99, SBCH02, WCH+93]. **jonasfish**

[RDW+22]. **Juan** [DCS+18, MTB09]. **jubatus** [CFGR07, GS06a]. **Julian**

[TSS+21]. **July** [BCI02, JPSB93, MLG+02, RS02, SBK08, Yal01, Ano98i, Ano21i, Ano22q, FZW+13, GRWW01, HCWW01, JWS01, TZS+01, ZSB01].

**Jumars** [PWCL98]. **jumbo**

[FEB+13, NA13, Sei13, SFMG13, SGFP13, TTDR13, TS13]. **junction**

[NGS+15]. **June**

[DTP+05, LSU04, OE06, TDKA05, VPK+19, Ano98n, Ano99h, Ano22r, Ano23k, Ano24f, BSN18, DZY+01, FZW+13, GGF+08, GGDF08, Gra09, GW15, HCWW01, JWS01, KAM+20, RWR+02, SBK08, TZS+01, Yal01].

**jurisdiction** [HD17]. **just** [HML99]. **Juvenile**

[MHG+17, ABC+05, BWC+02, CFGR07, CSS+22a, CSS+22b, CBA+05,

DMFB19, GKR<sup>+18</sup>, HK19, JGM09, KMOM19, LB18, LWB<sup>+20</sup>, LSWH07, MCS07, MBC<sup>+09b</sup>, PUB<sup>+06</sup>, SNS<sup>+16</sup>, SMBL19, SH16, TTDR13, VBM<sup>+19</sup>, VSM17, VMF<sup>+16</sup>, WBA<sup>+17</sup>]. **juveniles** [SA14, SDAH<sup>+12</sup>].

**K-PORT** [LGK15]. **K2** [BGS<sup>+08</sup>, EBB<sup>+08</sup>]. **Kaartvedt** [Ano97b].

**Kaikoura** [LRN<sup>+14</sup>]. **Kaluga** [Mas02]. **Kamchatka**

[Ala15, BPPJ15, BCNS15, BSCE15, BEM<sup>+15</sup>, BM15, BAF<sup>+18</sup>, CKFC18, CAK15, CBMM15, DJ15, FMZ15, FEB<sup>+15</sup>, Gol15, GC15, Kam15, KWPB15, KKVP15, LMS15, LVP15, MA15, MA18a, MA18b, MB15, SA15a, SA18, SA15b, SC15, DDAH<sup>+14</sup>, EMG<sup>+15</sup>, FB15, Jaž15, MAK<sup>+16</sup>]. **Kamptosoma** [MCLP04]. **Kamptozoa** [BCNS15]. **kamptozoon** [BCNS15]. **Kara** [PP95, PKA95]. **Kärdla** [ASS02, SSAF02]. **Karenia** [LWZ<sup>+23</sup>].

**Karodinium** [DLG<sup>+14</sup>]. **Katsuwonus** [AKK<sup>+17</sup>]. **Kayak** [SBK<sup>+16</sup>]. **keep** [SLDL93]. **Kelvin** [MV19]. **Kemp** [BTC13]. **Kennebec** [KCA05]. **Kenya** [DDB<sup>+97</sup>, PJLO<sup>+17</sup>]. **Kenyan** [GVD<sup>+97</sup>, KDG<sup>+97</sup>]. **KEOPS**

[STJ<sup>+08</sup>, BSL08a, BQT08]. **Kerama** [DAN23]. **KErguelen** [BQT08, PRDF08, VPSL15, ZDW<sup>+20</sup>, ACQ<sup>+08</sup>, ACBMQ08, BCE<sup>+07</sup>, BvWR<sup>+20</sup>, BSL08a, BTUV08, CTBNL08, COV<sup>+08</sup>, CTW<sup>+20</sup>, CD20, CS20, GBL<sup>+08</sup>, JDS<sup>+08</sup>, JBM<sup>+08</sup>, KFA<sup>+20</sup>, LGO08, LWB<sup>+20</sup>, MWK<sup>+20</sup>, MMT08, PFDG08, RWT<sup>+20</sup>, SCSMT20, TVLB08, WMW<sup>+20</sup>, WWHT20, ZLJ08, vBBR<sup>+08</sup>].

**kerгуelensis** [DVS<sup>+97</sup>, NGM<sup>+20</sup>]. **Kermadec** [JLL<sup>+13</sup>, LMLJ18]. **keta** [ARWM13, KKUK10, KMOM19]. **Key**

[TAL<sup>+12</sup>, AGN<sup>+02</sup>, AHB<sup>+17</sup>, BJP<sup>+22</sup>, EAF<sup>+17</sup>, KB15, KRGT14, MA13, MM15, SKL<sup>+22</sup>, SPP22, WTA<sup>+18</sup>]. **keystone** [Ant10]. **kHz** [HB03, MOT98].

**Kick'em** [MS18]. **Kiel** [MPL15]. **killer** [MT98, OMAA18]. **Kimki**

[CPW<sup>+18</sup>, MC18a]. **Kinematic** [BSZ99, MB03, PCJ<sup>+05</sup>]. **kinematics** [HMAW11]. **kinetic** [HXF<sup>+23</sup>, ME02, MSBS01]. **kinetics**

[BCL14, CB01, HMB<sup>+96</sup>, JLB<sup>+99</sup>, MHB<sup>+95</sup>, Rai11, SYS05, VQ97b]. **King** [NKA<sup>+11</sup>, BHB<sup>+07</sup>]. **Kingdom** [DHS<sup>+14</sup>]. **kinorhynch** [AM15].

**Kinorhyncha** [AM15, AM18, AM22a, AM22b]. **Kinorhynchs**

[AM22b, AM18]. **kisutch** [TBH09]. **kitazatoi** [SRAL<sup>+17</sup>]. **kittiwake** [VM13]. **kittiwakes** [RDBP14]. **Kliopsyllus** [VK04]. **km**

[DKZP16, OvdRvA<sup>+22</sup>, QNL<sup>+16</sup>]. **Knoll** [WCK<sup>+18</sup>]. **KNOT**

[FNYK02, INTS02, KNI<sup>+05</sup>, LIS<sup>+02</sup>, TNIW02]. **knowledge** [BRPI02, DCA<sup>+98</sup>, HBB<sup>+13</sup>, KR07, RHD<sup>+18</sup>, SFH<sup>+18</sup>, VGZ<sup>+19</sup>, VCG<sup>+20</sup>, YHC<sup>+15</sup>].

**known** [CC13, CBMM15, FM13, MFS<sup>+23</sup>]. **Kodiak** [LCS16]. **KOKO**

[VOK<sup>+24</sup>]. **komokiaceans** [GCKC07]. **Korea** [JKN<sup>+05</sup>, PKHH17, THJ<sup>+05</sup>]. **Korea/Tsushima** [THJ<sup>+05</sup>]. **Korean** [CKY23a, CKY23b, LGK15, SJL05].

**Koryak** [DGK<sup>+22</sup>, RKM<sup>+22</sup>]. **Kostarrenkala** [FS14]. **Krill**

[KP10, KNV<sup>+10</sup>, NCR<sup>+08</sup>, SKW<sup>+04</sup>, SB22, VKM<sup>+10</sup>, ADG<sup>+08</sup>, ASF<sup>+12</sup>, BLBW<sup>+11</sup>, BKCV10, CHPF10, CWD<sup>+10</sup>, DEJ08, DYEJ08, Dem04, FLLGR04, FWC<sup>+12</sup>, FJF<sup>+11</sup>, GSK96, HWN<sup>+04</sup>, HKN<sup>+04</sup>, HH03, HWCT08, IDSM04, JKK<sup>+10</sup>, JR04, JHHK14, JH04, KGE<sup>+04</sup>, KKM<sup>+10</sup>, LLK<sup>+16</sup>, LRR<sup>+04</sup>, MDH08, MOT98, MTWH04, NKK<sup>+00</sup>, OVKN11, OM98, PFP02,

PAM<sup>+04</sup>, Pak04, PNH<sup>+00</sup>, RJB<sup>+04</sup>, RCF<sup>+08</sup>, RQNO04, SAVP12, VF08, WLR<sup>+00</sup>. **krill-dominated** [LRR<sup>+04</sup>]. **Kruppomenia** [OBH<sup>+18</sup>]. **Ku** [SL11]. **Ku-band** [SL11]. **Kudinova** [BPKJ15]. **Kudinova-Pasternak** [BPKJ15]. **kuhlii** [CSM13b]. **Kullenberg** [EG96]. **KuramBio** [BM15, MB15, SBBP<sup>+15</sup>]. **Kuril** [CKFC18, Ala15, ASV18, BPPJ15, BCNS15, BSCE15, BEM<sup>+15</sup>, BAF<sup>+18</sup>, CAK15, CBMM15, EMG<sup>+15</sup>, FMZ15, FB15, FEB<sup>+15</sup>, Gol15, Gol18, GC15, GC18, Jaž15, Kam15, KWPB15, KME18, KKVP15, LMS15, LVP15, MA15, MA18a, MA18b, MB15, MB18, MKKF18, SA15a, SA18, SA15b, SC15]. **Kurile** [BM15, DJ15]. **kurilensis** [MB18]. **Kuroshio** [CBF<sup>+16</sup>, OCT<sup>+19</sup>, CK10, CBF<sup>+13</sup>, DJFK<sup>+22</sup>, HiII<sup>+19</sup>, HiII<sup>+20</sup>, HYK<sup>+02</sup>, NI10, PUB<sup>+06</sup>, QC10]. **Kuwait** [SAKP<sup>+22</sup>]. **kyr** [BLI<sup>+09</sup>, DNG<sup>+12</sup>, GHM<sup>+12</sup>, RBB<sup>+97</sup>]. **kyrs** [ITM<sup>+12</sup>, KSH12, SIA<sup>+05</sup>].

**L** [Ano97c, BDG<sup>+04</sup>]. **L.** [GW98]. **L4** [DIM<sup>+12</sup>]. **L4-SQUAM** [DIM<sup>+12</sup>]. **labile** [PDTS08]. **Labioleanira** [Ala18]. **Laboratory** [ASM06, DGR02, HJS<sup>+10</sup>, BCH<sup>+19</sup>, CSS<sup>+22b</sup>, MML07, TCM<sup>+22</sup>, TPP<sup>+20</sup>]. **Labrador** [BLG11, FS05, SRFR07, Spa99, SGL99, WTSP07]. **Lacepède** [PK08]. **lactating** [NBCT13, RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>]. **lag** [Sch07]. **Lagrangian** [ASN<sup>+02</sup>, BLG11, BSL11, CRMI18, DKC<sup>+17</sup>, DMW<sup>+07</sup>, FSK<sup>+05</sup>, GMPS04, HZ19, JWS01, KTB<sup>+05</sup>, LML<sup>+01</sup>, LAW<sup>+05</sup>, LOA13, MDSA19, NRBO<sup>+05</sup>, PHDK11, PAUB19, PZK<sup>+05</sup>, RLVF02, RP05, SHM<sup>+11</sup>, ST13, SABP<sup>+16</sup>, SS13b, TS03, VALW23, WB01, Web19, YLU<sup>+14</sup>, YSWJ16]. **Lake** [LPZ<sup>+04</sup>]. **Lamarck** [GIPL<sup>+14</sup>]. **laminar** [JS14]. **laminated** [GPK02]. **lance** [BDL<sup>+22</sup>, SLLT10]. **Land** [CHU<sup>+00</sup>, DBDT03, EWA<sup>+03a</sup>, WLR<sup>+00</sup>, CHN<sup>+18</sup>, RdGM<sup>+09</sup>, WAK<sup>+12</sup>, BH03, BCA<sup>+03</sup>, DBD03, EWA<sup>+03b</sup>, HBBD03, LCVV06, PS03]. **land-remote** [WAK<sup>+12</sup>]. **lander** [CLJ<sup>+13</sup>, LDBvdB17, LLM<sup>+17</sup>]. **landings** [JRGLJ<sup>+19</sup>]. **landmark** [KT06]. **landscape** [GGP<sup>+14</sup>]. **Lanka** [CS19, LPJ<sup>+19</sup>]. **lantern** [CAJE15]. **Lanternshark** [SLC<sup>+15</sup>]. **Laotieshan** [XZM<sup>+23</sup>]. **Lappanella** [GPCC<sup>+17</sup>]. **lapse** [EFR<sup>+16</sup>]. **Large** [Ake19, BH19a, BCH<sup>+19</sup>, Bro19, CJ19, EHL02, EHB19, HCWW01, HB05, KKSA19, LP19, PH19, PRDF08, PVRA07, SPDW19, SID19, Sum19, YKSI19, ZQW19, dSG09a, vCO09, BKY<sup>+17</sup>, BT98, BMSBM<sup>+17</sup>, DURP03, DHCV19, FMZ15, GDL22, GdRGLS04, GPCC<sup>+17</sup>, GKB19, GBBS00, Hol06, IPH<sup>+17</sup>, KNV<sup>+10</sup>, KVS<sup>+09</sup>, LTL<sup>+23</sup>, LPA<sup>+95</sup>, LL13, LTS<sup>+13</sup>, MKKB14, MML07, MALT05, MRC05, NMR10, OBA02, PFW<sup>+09</sup>, PDA<sup>+17</sup>, PLA<sup>+17</sup>, PE17, PHS03, PBMM14, RHPR15, SSLP95, SKW<sup>+04</sup>, Spa99, SNFK20, SGM<sup>+02</sup>, SL11, SB05, TSA<sup>+01</sup>, TLK<sup>+02</sup>, VTA<sup>+11</sup>, WR09, WDKC00, WYT19, YOK<sup>+10</sup>, YOO<sup>+10</sup>, ZSKL19, vHSM04b, WDFK<sup>+22</sup>]. **Large-eddy** [HB05]. **large-particle** [SGM<sup>+02</sup>]. **Large-scale** [BH19a, BCH<sup>+19</sup>, CJ19, EHL02, HCWW01, PRDF08, PVRA07, BT98, GdRGLS04, Hol06, KNV<sup>+10</sup>, KVS<sup>+09</sup>, MALT05, OBA02, PE17, PHS03, SSLP95, SKW<sup>+04</sup>, Spa99, TSA<sup>+01</sup>, VTA<sup>+11</sup>]. **large-sized** [TLK<sup>+02</sup>].

**large-volume** [BKY<sup>+</sup>17]. **larger** [Gag04, PM10]. **Larsen** [HDR<sup>+</sup>11].  
**larvacean** [BDW<sup>+</sup>96]. **Larvaceans** [LW10]. **larvae** [AMJRD19, BOB20,  
BSN<sup>+</sup>15, BD06, GGAMV<sup>+</sup>23, GLCU<sup>+</sup>17, HCWH00, JBJ17, KM98, KHT<sup>+</sup>20,  
LCR<sup>+</sup>96, LM01, LBB<sup>+</sup>06, MWF<sup>+</sup>19, MMM<sup>+</sup>13, Mun14, Mun16, RNP93,  
SVJRSON04, SVAGRCS04, SDAH<sup>+</sup>12, SM03, TLW<sup>+</sup>94, WBCB06]. **Larval**  
[CRNP06, GDAMS19, LCD<sup>+</sup>24, SRS11, ADG<sup>+</sup>08, BHS<sup>+</sup>19, Dal04, DFY<sup>+</sup>23,  
EWG94, HK19, IAA96, IABR<sup>+</sup>17, JGM09, KOT<sup>+</sup>20, KVS<sup>+</sup>09, LWB<sup>+</sup>20,  
LH15, LBM<sup>+</sup>20, LM96, LLW01, MDH16, NHBM10, PAM<sup>+</sup>04, RQNO04,  
RG06a, RG06b, SCD<sup>+</sup>22, STS11, TP96, TLW<sup>+</sup>94, VALW23, VMF<sup>+</sup>16,  
VSFF09, WPLN96, WBML06]. **last**  
[BIP<sup>+</sup>02, BLI<sup>+</sup>09, DW15a, DNG<sup>+</sup>12, DFA<sup>+</sup>20, FMH<sup>+</sup>02, GBC<sup>+</sup>05, GHM<sup>+</sup>12,  
HdVGHM02, HSS<sup>+</sup>12, IOTS16, ITM<sup>+</sup>12, ITK<sup>+</sup>16, KSH12, MRB<sup>+</sup>14, PWF03,  
PCY<sup>+</sup>13, RRL<sup>+</sup>14, RLPF07, ACFS02, CMVS<sup>+</sup>10, LXWC21, LAT<sup>+</sup>18]. **Late**  
[ACBMQ08, BW99a, CSS<sup>+</sup>02, EGL<sup>+</sup>16, MT15, OTK<sup>+</sup>05, SMB<sup>+</sup>17, SLB<sup>+</sup>15,  
TT05, WMP<sup>+</sup>11, WCJ97, YKY<sup>+</sup>07, CRM<sup>+</sup>16, DSB<sup>+</sup>18, DW15a, DEL<sup>+</sup>17,  
Die07, FWP<sup>+</sup>07, FPB04, GTTKB14, GSdS<sup>+</sup>14, HKY<sup>+</sup>16, IKR<sup>+</sup>12, KT05,  
KMM<sup>+</sup>08, MWS<sup>+</sup>15, MPC99, MDT<sup>+</sup>08, OVKN11, OTA<sup>+</sup>05, OACA19,  
OSCS00, PF02, RVJG<sup>+</sup>02, RVJG<sup>+</sup>05, RQNO04, SMS01, SLA<sup>+</sup>01, SLP<sup>+</sup>17,  
SKF<sup>+</sup>10, TMT<sup>+</sup>11, THT11, TML<sup>+</sup>16, WSL07, YK16, YCA<sup>+</sup>20, ZSLL15,  
dBC<sup>+</sup>09, ASS02, Cha07, KKT16, Led93, MAK<sup>+</sup>16, PDBH03, SSR<sup>+</sup>14].  
**late-summer** [OACA19]. **later** [IPLCHRM19]. **lateral**  
[AML<sup>+</sup>19, BMT20, CMG<sup>+</sup>12, FBS94, MS06b, RBP<sup>+</sup>94, SFG98, WFA<sup>+</sup>95].  
**Latitude** [MTG18, Car07, CWdE99, Dri09, GKGW22, LBM09, MGK19,  
MLVM02, PSK<sup>+</sup>00b, PTS17, SKL<sup>+</sup>22, SHD<sup>+</sup>96, WAN<sup>+</sup>15, WCJ97].  
**latitudes** [LMG93, NGS<sup>+</sup>20, WWN<sup>+</sup>02]. **Latitudinal**  
[ADE22, CG21, CSF<sup>+</sup>12, FUGG<sup>+</sup>09, FG97, JLJ<sup>+</sup>12, OB22a, RDLZ02, SHI06,  
SBD<sup>+</sup>97, SBN<sup>+</sup>15, SL12, THZ06, TRB98, WZW<sup>+</sup>95, ZDWR95, ATI<sup>+</sup>23,  
CAH<sup>+</sup>09, JNBJ17, KVS<sup>+</sup>09, LBE06, OvdRvA<sup>+</sup>22, PHS17a, SBB<sup>+</sup>11]. **lato**  
[HNS<sup>+</sup>11]. **lattice** [LKTS01]. **Laubier** [DCA<sup>+</sup>98]. **launch** [OSG<sup>+</sup>13]. **lavas**  
[RSP<sup>+</sup>98]. **Lavrentyev** [CP22, Ste13]. **Lawrence**  
[HNB<sup>+</sup>13, RSR<sup>+</sup>00, TLKT00, WTI<sup>+</sup>20, DSO<sup>+</sup>00, DKI<sup>+</sup>00, DI00, GLCP12,  
MCS<sup>+</sup>09, PCB<sup>+</sup>00, RSRL00, SVR<sup>+</sup>00, VSR<sup>+</sup>00, ZX12]. **laws** [NYNK05].  
**Layer** [PLRV22, AML<sup>+</sup>19, Ano05e, BGS98, BS98, BB98, BJF16, BSP00,  
BU05, CBCT09, CMT93, CBW01, DP02, DDL06, DJCF09, DKI<sup>+</sup>00, DI00,  
EWG94, FM99, FGF<sup>+</sup>14, FvFC<sup>+</sup>11, FCAD04, FGH<sup>+</sup>13a, FC09, GCRW95,  
GGRW99, GGT<sup>+</sup>02, GK04, HS96, HTM<sup>+</sup>03, JDL<sup>+</sup>22, JCPC09, KFJ<sup>+</sup>05,  
KN05, LKD<sup>+</sup>15, LML<sup>+</sup>01, LMA08, LHX<sup>+</sup>22, LZZ<sup>+</sup>16, LYL22, MRRG23,  
MMS<sup>+</sup>16, MSM<sup>+</sup>02, MS12, MKS<sup>+</sup>02, NYNK05, NS93, NC97, OM14, OE06,  
OHFW93, PTM<sup>+</sup>16, PBGCD<sup>+</sup>13, PF06, PKZ93, RH07, RFHL99, Sco05,  
SS09, SGJ<sup>+</sup>20, SNB02, SHM<sup>+</sup>20, SWLW11, SBB<sup>+</sup>05, TWC<sup>+</sup>07, TNIW02,  
VMI<sup>+</sup>08, VTD<sup>+</sup>20, WNRM08, YLU<sup>+</sup>14, Zül05, Sor99]. **layer/planktonic**  
[DP02]. **layered** [CSL<sup>+</sup>22]. **layerobservations** [SS99a]. **layers**  
[BFT<sup>+</sup>97, BSRB17, CMV<sup>+</sup>20, DNG<sup>+</sup>12, FVSR14, FKW01, JLM20,  
JRKR19, KWF<sup>+</sup>19, KMM<sup>+</sup>08, LN01, OSM<sup>+</sup>20, OGBF08, PHK<sup>+</sup>14, SNS10,

SYT<sup>+10</sup>, SBHS20, TMC<sup>+14</sup>, VPA<sup>+09</sup>]. **Lazarev**  
 [FvFC<sup>+11</sup>, HPS<sup>+11</sup>, PDH<sup>+11</sup>]. **lazy** [MNR<sup>+11</sup>]. **leaching** [KFW01]. **Lead**  
 [AHV<sup>+00</sup>, ACV<sup>+01</sup>, ACG<sup>+01</sup>, NDT<sup>+01</sup>, VCRDF99]. **leader** [YFY<sup>+10</sup>].  
**leading** [RHPR15]. **leads** [SF08, ZHD<sup>+08</sup>]. **leaf** [JS14]. **Leakage** [WW23].  
**leaky** [MTK<sup>+14</sup>]. **Learmonth** [NDE14]. **learned**  
 [ALHP18, GBS<sup>+22</sup>, LTF<sup>+19</sup>, VABCR<sup>+24</sup>]. **learning**  
 [BFH<sup>+23</sup>, CKY23a, CKY23b, HCJ<sup>+22</sup>]. **learnt** [SBL<sup>+18</sup>]. **lease**  
 [FR10, MP94]. **leatherback** [WNHF<sup>+15</sup>]. **leaving** [BY04]. **Lebbeus**  
 [NCL13]. **Lebensspuren** [BJA13]. **LEDS** [ZS19]. **lee**  
 [CRJB08, CCW<sup>+08</sup>, KND<sup>+08</sup>, MBNRB08, MBK08, NKD<sup>+08</sup>, RBN<sup>+08</sup>,  
 VMM<sup>+08</sup>, WZZ<sup>+23</sup>, OM14]. **leeches** [UC13]. **Leeuwin**  
 [BKM07, CMC11, DMW<sup>+07</sup>, FM03a, FMFW07, Gau07, HWTP07, HWP<sup>+07</sup>,  
 MFPL19, MPI07, MFFM03, MBO07, RPM07, WTP<sup>+07</sup>, WPG<sup>+07</sup>]. **Leg**  
 [KOS<sup>+16</sup>, NGM<sup>+05</sup>, GPK02]. **legacy** [SPS<sup>+09</sup>]. **legend**  
 [Ano17f, Ano17g, Ano17h]. **legendary** [BM15]. **legged** [VM13]. **Leiopathes**  
 [EWF<sup>+18</sup>]. **Lemnos** [TKP<sup>+20</sup>]. **lemuru** [SNH<sup>+23</sup>, SWK<sup>+23</sup>]. **length**  
 [MN10]. **lentiginosa** [NGM<sup>+20</sup>]. **leonina** [GBC<sup>+13</sup>, MdSLH13].  
**Lepidepocreella** [BVL04]. **lepidepocreellid** [BVL04]. **Lepidisis** [STR<sup>+14</sup>].  
**Leptostraca** [HRS<sup>+23</sup>]. **lesion** [DAN23]. **Leslie** [CAJE15]. **less** [NB10].  
**Lessons** [CMP14, LTF<sup>+19</sup>, LZM<sup>+13</sup>, VABCR<sup>+24</sup>, GBS<sup>+22</sup>, Reb03, SBL<sup>+18</sup>].  
**lethality** [BKS<sup>+10</sup>]. **Leuca**  
 [Di 10, MDC<sup>+10</sup>, SC10, BFT10, CMVS<sup>+10</sup>, DCC<sup>+17</sup>, ESL<sup>+10</sup>, RVD<sup>+10</sup>].  
**leucas** [EF98]. **Levantine**  
 [OGG<sup>+20</sup>, AZK<sup>+20</sup>, AKHR<sup>+20</sup>, CKH<sup>+05</sup>, EFR<sup>+19</sup>, KWA<sup>+20</sup>, KVPK20,  
 KWH<sup>+05</sup>, ÖHÜ<sup>+93</sup>, PZK<sup>+05</sup>, SLM<sup>+20</sup>, TGLN93, VPA<sup>+20</sup>]. **levee** [SSHB03].  
**Levefre** [Ano97c]. **level** [ACK<sup>+14</sup>, AL13, BLSW05, BMB<sup>+18</sup>, BGH<sup>+19</sup>,  
 CHH<sup>+21</sup>, DIM<sup>+12</sup>, DLB<sup>+11</sup>, EHL02, HGM<sup>+11</sup>, JCF<sup>+06b</sup>, LFPC14, LZS<sup>+18</sup>,  
 LSGM02, MMID17, OYK15, OKY<sup>+17</sup>, PFX<sup>+02</sup>]. **level-related** [BGH<sup>+19</sup>].  
**levels** [BRD<sup>+18</sup>, DPS<sup>+14</sup>, DTP<sup>+05</sup>, PTD<sup>+14</sup>, SMS<sup>+07</sup>, TBB<sup>+14</sup>, WLY<sup>+22</sup>,  
 ZTZB09]. **LGM** [CRM<sup>+16</sup>]. **libraries** [LTG<sup>+09</sup>]. **Lidar** [YAS<sup>+93</sup>, CMV<sup>+20</sup>].  
**lies** [NRSL17]. **Life** [Ano09b, SH11a, SKH<sup>+10a</sup>, ABE<sup>+11</sup>, BGIJ<sup>+06</sup>, BZS<sup>+16</sup>,  
 BFF<sup>+10</sup>, BMK09, CMC11, CCC<sup>+23</sup>, DDAH<sup>+14</sup>, DM16b, DSC<sup>+19</sup>,  
 DABF<sup>+16</sup>, FGB10, GGPM05, HiI<sup>+19</sup>, HiI<sup>+20</sup>, HPH<sup>+16</sup>, IDSM04, JKJ<sup>+22</sup>,  
 JAP<sup>+13</sup>, KCMT<sup>+20</sup>, Man94, MDH16, NA09, PDH<sup>+11</sup>, Pro09, RS15, ROY13,  
 RGIH<sup>+06</sup>, SDB<sup>+19</sup>, SSDA13, SMV<sup>+13</sup>, SHC<sup>+22</sup>, Ste10, Vri09]. **life-cycle**  
 [FGB10]. **life-history** [NA09, SHC<sup>+22</sup>]. **life-stage** [GGPM05]. **lifetime**  
 [HON<sup>+13</sup>]. **ligands** [BBB13, GBL<sup>+08</sup>, ISB<sup>+11</sup>, JBS<sup>+13</sup>, MP99]. **Light**  
 [HLFP08, AA12, BW93, DO96, Eks07, GOH<sup>+15</sup>, HH20, MBHP99, MSH<sup>+07</sup>,  
 MHP<sup>+07</sup>, PHD<sup>+11</sup>, PKZ93, PPL<sup>+07</sup>, PDE<sup>+16</sup>, RVZ02, SM96a, VGGLB15,  
 VCM<sup>+14</sup>, ZLOR02, Zon07]. **like** [CAK15, GCKC07, LV17, ODP<sup>+17</sup>].  
**Limacina** [BTFB12, BJB16, PTM<sup>+16</sup>]. **limb** [GLBB11]. **Limestone**  
 [Cha07]. **limit** [LSS<sup>+11</sup>]. **limitation**  
 [AA12, BBB<sup>+11b</sup>, CRD01, DP99, FME<sup>+09</sup>, GCB04, HDD<sup>+11</sup>, LFHM97,  
 MBHP99, MTWC<sup>+15</sup>, ML20, MNPT06, MDGF01, NBSF01, PHD<sup>+11</sup>,

PKA05, RN96, SBQ<sup>+02</sup>, SF08, TRB<sup>+19</sup>, WTCB09, WM99]. **Limited** [KCM<sup>+14</sup>, CSW<sup>+17</sup>, DCF<sup>+11</sup>, LVJC17, ZHK<sup>+05</sup>]. **limiting** [KLKB95]. **limits** [MC15]. **limosa** [VWTK18]. **limpets** [YERT13]. **line** [DHS<sup>+09</sup>, KOM17, MSA<sup>+14</sup>]. **line-source** [DHS<sup>+09</sup>]. **lineages** [IUdV<sup>+12</sup>, LVJC17, PFdSG11, ZJFV15]. **linear** [BDL<sup>+14</sup>, Pal19, Wun13]. **lingering** [NM18]. **link** [BASLK04, Gut06, LGVK<sup>+14</sup>, TMP<sup>+19</sup>]. **linkage** [EQW<sup>+13</sup>]. **Linkages** [Ano05d, CSG<sup>+13</sup>, RNB07, YK05, AKK<sup>+14</sup>, BFD<sup>+23</sup>, BMK05, BNM08, CDRB16, HWCT11, PHH<sup>+16</sup>, PMM<sup>+94</sup>, WWV12]. **linked** [DSG<sup>+09b</sup>, EHK<sup>+20</sup>, GWZ16, LRN<sup>+14</sup>, WOM<sup>+16</sup>]. **Linking** [AMK<sup>+05</sup>, MM05, ROPB03, SMA<sup>+17</sup>, VM13, Ark13, GEP<sup>+16</sup>, MSGO18].

**Links** [CPW<sup>+18</sup>, LWL<sup>+16</sup>, LSB07, CM00, Hil04, Hin09, HTW14, JRG<sup>+22</sup>, TSWJ12].

**Linne** [Pro09]. **Lion** [Ano97c, RDdL<sup>+13</sup>, VAMPR<sup>+17</sup>]. **lions** [CFGR07, GS06a, RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>, LMM<sup>+97</sup>, SVB<sup>+19</sup>, Tho97].

**lipase** [BGG<sup>+09</sup>]. **Lipid** [BGG<sup>+09</sup>, LPFS97, PSS<sup>+16</sup>, WPHL02, CHG15, CSS<sup>+22a</sup>, CSS<sup>+22b</sup>, GGRJD<sup>+10</sup>, KLY<sup>+15</sup>, PNVJ13, WHL<sup>+97</sup>, YBHM05].

**Lipids** [JH04, DLL<sup>+15</sup>, FPHH<sup>+09</sup>, FLM10, JWC09, JLK03]. **lipophilic** [dSVC<sup>+14</sup>]. **Lisboa** [dJMTGG11]. **Lisbon** [dSJB<sup>+11</sup>]. **Lisbon-Setúbal** [dSJB<sup>+11</sup>]. **Lissarca** [CL06]. **list** [PDB<sup>+20</sup>]. **Literature** [ŽSN<sup>+18</sup>].

**lithification** [GTB15]. **Lithium** [CH07]. **lithogenic** [CRS<sup>+19</sup>, CAFK03a, CDH<sup>+00</sup>, LBV<sup>+08</sup>, OL15, ZLJ08]. **Litter** [MTMH11, PGPI<sup>+13</sup>, vdBGM<sup>+17</sup>]. **little** [CC13, RCKCK07]. **little-known** [CC13]. **Liu** [Won15]. **live** [MGK19, CG04]. **live-dead** [MGK19]. **lived** [CMW<sup>+05</sup>, CBB<sup>+00</sup>, KM05a]. **lives** [LPA<sup>+95</sup>]. **Living** [ATJ05, FDR<sup>+18</sup>, GMMS05, KMM<sup>+08</sup>, SNK07, WMW96, BAS00, BCG<sup>+22</sup>, BGB08, FBP<sup>+17</sup>, FMZ15, FDP<sup>+14</sup>, KB15, LWW<sup>+15</sup>, RSdV<sup>+09</sup>, SLDL93, Sei13, TS13, VVV04b, ZS19]. **living-resources** [ZS19]. **Livingston** [Can06].

**LMEs** [BH19b, Sum19]. **load** [KW03, WCRG95]. **loadings** [MBB<sup>+02</sup>]. **lobe** [BSS<sup>+17</sup>, CRD<sup>+17</sup>, DDB<sup>+17</sup>, ROB<sup>+17</sup>, SDT<sup>+17</sup>]. **lobes** [RBDO17, SSB<sup>+17</sup>].

**Lobo** [BRCFP23, BRCFP23]. **Lobo-lobo** [BRCFP23]. **Lobodon** [MCBC08]. **lobster** [CRT<sup>+00</sup>]. **Local** [DWB13, HBB<sup>+13</sup>, SFR<sup>+06</sup>, Wil08, AL13, CMC11, DSG<sup>+09b</sup>, Gag04, GASGB<sup>+14</sup>, HCHD09, MBP09, OM98, Pal04, SSP<sup>+09</sup>, TSWJ12, Yu03].

**located** [BMGC09]. **location** [CBHF10, FPS10, HPS<sup>+13</sup>, RJM<sup>+15</sup>].

**locations** [CBW01, ERPF11, GBB<sup>+17</sup>, LWB<sup>+20</sup>]. **locking** [LWS21].

**Lockne** [OM02]. **logger** [RCKCK07]. **loggerhead** [PUB<sup>+06</sup>]. **loggers** [GBC<sup>+13</sup>, JBB<sup>+13</sup>]. **logging** [Ano07c, ELP13, HBM<sup>+07</sup>, Pon07, YKN07].

**Loihi** [MTDK98]. **Loki** [KEA<sup>+17</sup>]. **Loligo** [SMV<sup>+13</sup>]. **lomvia** [WTI<sup>+20</sup>].

**Lonchiphora** [GJ11]. **Long** [ASS02, AKK<sup>+14</sup>, BBR<sup>+10</sup>, BMOW09, BL03, Bre93, Duc08, GUSB03, JPM99, KBL01, LSdC<sup>+10</sup>, LDBvdB17, LO03, LW15, LBD<sup>+22</sup>, NLS<sup>+10</sup>, Reb03, RPF01, RVGF02, RSS01, SRS<sup>+15</sup>, SD98, SM03, SBC<sup>+16</sup>, WP17, YPY<sup>+13</sup>, YKO15, ADRS19, AMTE09, BC08, BGS98, BG08, CFK15, CMW<sup>+05</sup>, DHM<sup>+22</sup>, DVCG<sup>+12</sup>, DEK<sup>+08</sup>, GLCP12, GG02, HZK04, HNCW23, LMF<sup>+21</sup>, MSA<sup>+14</sup>, PCT18, PLGCL09, SS09, SSP<sup>+09</sup>, SBG<sup>+03</sup>,

SWLL23, SGL99, SD96, WSLP10, Ynd09]. **long-lived** [CMW<sup>+</sup>05]. **long-range** [CFK15]. **long-range-transported** [SSP<sup>+</sup>09]. **Long-term** [ASS02, AKK<sup>+</sup>14, BBR<sup>+</sup>10, BMOW09, BL03, Bre93, Duc08, JPM99, KBL01, LSdC<sup>+</sup>10, LDBvdB17, LO03, LBD<sup>+</sup>22, NLS<sup>+</sup>10, Reb03, RPF01, RVGF02, RSS01, SRS<sup>+</sup>15, SM03, SBC<sup>+</sup>16, WP17, YPY<sup>+</sup>13, YKO15, ADRS19, AMTE09, BC08, BG08, DVCG<sup>+</sup>12, DEK<sup>+</sup>08, HZK04, HNCW23, LMF<sup>+</sup>21, PCT18, SS09, WSLP10]. **longicauda** [GRB<sup>+</sup>17]. **longipes** [HPL<sup>+</sup>12]. **longitudinal** [OvdRvA<sup>+</sup>22, SLB18]. **longline** [DWM<sup>+</sup>15, HHMF11, LFKF<sup>+</sup>17, MWT<sup>+</sup>17, JMP<sup>+</sup>19, TMGLM19]. **longlines** [FCBD08]. **Longwaves** [FDM<sup>+</sup>97]. **look** [AS02a, GSP14, SCB<sup>+</sup>01]. **looking** [HVBO08]. **Lookout** [Bla94]. **loop** [KRB95, WLH<sup>+</sup>16, YFL<sup>+</sup>23, CH24]. **Looping** [CMRI13, SRBR05]. **Lophelia** [AHVB<sup>+</sup>17, BRB<sup>+</sup>13, BR14, BMSBM<sup>+</sup>17, HWK<sup>+</sup>14, JBJ17, LPPCF10, NOFP14]. **Lophius** [LAA<sup>+</sup>14]. **Lophogastridea** [LDBS<sup>+</sup>17]. **Lopphavet** [SSR<sup>+</sup>14]. **Lord** [DLHH11, ANS<sup>+</sup>11, Har11, KBW<sup>+</sup>11, NHD11, PWN<sup>+</sup>11, RHD<sup>+</sup>11, WACGH11, ZRC<sup>+</sup>11]. **losers** [LWJR22]. **loss** [CSS<sup>+</sup>22b, LWJR22, PHD<sup>+</sup>18, RRWR08, RFHL99, WTT<sup>+</sup>20]. **losses** [KSS00a, KLD21, LZZ<sup>+</sup>16]. **lost** [BSCR11]. **Lotus** [JS14]. **Lotus-leaf** [JS14]. **Lough** [Ano97b, OM14]. **Louisiana** [WCSA<sup>+</sup>16]. **Low** [BCN<sup>+</sup>17, Blo02, KCY<sup>+</sup>16, LDV<sup>+</sup>02, PKZ93, SPF<sup>+</sup>94, VAMPR<sup>+</sup>17, BBL<sup>+</sup>13, BMB<sup>+</sup>18, CMJ<sup>+</sup>18, GEP<sup>+</sup>16, GMD07, LB07, LG00, LLL<sup>+</sup>15, LJHAA19, LGF03, LMG93, MBL<sup>+</sup>15, NSKG96, OUJ<sup>+</sup>19, OHFW93, OBKA17, SFB16, TRM<sup>+</sup>07, VCM<sup>+</sup>14, RBO07]. **low-Arctic** [GMD07]. **low-chlorophyll** [LGF03]. **Low-frequency** [LDV<sup>+</sup>02, SPF<sup>+</sup>94]. **low-oxygen** [OHFW93]. **Low-temperature** [Blo02, TRM<sup>+</sup>07]. **lower** [BRD<sup>+</sup>18, BLM<sup>+</sup>10, BHSJ16, Car10, CHH<sup>+</sup>21, CBHF10, EHK<sup>+</sup>20, GW98, JCF<sup>+</sup>06b, KKUK10, LSGM02, MSH10, MCH22, Osc01, PAR<sup>+</sup>08, RFJ10, RSH10, WCJ97]. **lower-slope** [CBHF10]. **Loxosomatidae** [BCNS15]. **Loxosomella** [BCNS15]. **LTER** [GO15, MSS15, RQM<sup>+</sup>08]. **lucetia** [GGAMV<sup>+</sup>23]. **Lucicutia** [GW98]. **Lucky** [MCB<sup>+</sup>15]. **Luhuitou** [ZHY<sup>+</sup>13]. **Luzon** [CHL<sup>+</sup>15, CW22, SWO10]. **lyase** [SMGB02, SMGB03]. **Lydonia** [MS09]. **Lyman** [BTC13]. **lyre** [GKBG17]. **Lysianassoid** [KBF<sup>+</sup>08]. **Lysianassoidea** [BVL04, DHST13, HNS<sup>+</sup>11]. **lysis** [BTUV08]. **lysocline** [Che02].

**M** [Ano97c, CP22, DCBS98, Ste13, BSJ13, BRPH20, CPF<sup>+</sup>14, CdST<sup>+</sup>17, CSGV13, CMB02, DBBWH20, FARLR<sup>+</sup>13, GHIM04, GHG<sup>+</sup>04, GG02, LG09, LWM<sup>+</sup>09, NRM<sup>+</sup>99, PBN10, PDB<sup>+</sup>20, RdGM<sup>+</sup>09, RMCAR06, SKSW02, SBE<sup>+</sup>99, SGM<sup>+</sup>02, SHY<sup>+</sup>08, SWMB10, TGRB02, TR02, VVV04a, WEB93, WAP<sup>+</sup>18, WAM<sup>+</sup>18, WGG98, BWD20, BRPH20, CMH<sup>+</sup>20, LSST20, PDB<sup>+</sup>20, SKC99]. **M.** [Mal15]. **M1** [PC00]. **Ma** [KKT16, NGM<sup>+</sup>05]. **machine** [BFH<sup>+</sup>23, HCJ<sup>+</sup>22]. **mackerel** [DFY<sup>+</sup>23, HiII<sup>+</sup>19, HiII<sup>+</sup>20, LTL<sup>+</sup>23, OUJ<sup>+</sup>19, WYL<sup>+</sup>20]. **mackerels** [LH15]. **Macoma** [GGC19]. **Macondo** [CDM<sup>+</sup>16, JBÖ<sup>+</sup>16, LAPL<sup>+</sup>16]. **Macro** [BBAL<sup>+</sup>20, LBB<sup>+</sup>07, BS98, BHS<sup>+</sup>19, BFA<sup>+</sup>08, DYEJ08, Gut06,

MLH<sup>+</sup>22, PDK<sup>+</sup>14]. **Macro-** [BBAL<sup>+</sup>20, LBB<sup>+</sup>07, BS98, BFA<sup>+</sup>08]. **macro-and** [MLH<sup>+</sup>22]. **macro-invertebrates** [PDK<sup>+</sup>14]. **macro-tidal** [BHS<sup>+</sup>19]. **macro-zoobenthic** [Gut06]. **macro-zooplankton** [DYEJ08]. **macroalgae** [GGP<sup>+</sup>14]. **Macrobenthic** [GPC<sup>+</sup>04, LGML00, BF14, BMGC09, LG00, LPS14, SLS<sup>+</sup>09]. **Macrobenthos** [LMKL09, DGK10, DSO<sup>+</sup>00, FMZ15, IARR01]. **macrocephala** [MMN10]. **macrocephalus** [BZS<sup>+</sup>16, CCC<sup>+</sup>23, FHAH16, HSC<sup>+</sup>19, MMS<sup>+</sup>19, MDH16, MZH16, NHCL14, SH16, SHPM14]. **macrochir** [KPBK08]. **macrodescriptor** [MA09]. **macroecological** [BVB14a]. **Macrofauna** [FvFC<sup>+</sup>11, Bor01, BEM<sup>+</sup>15, BFB<sup>+</sup>18, CMP14, Gag04, GLdS<sup>+</sup>09, LG98, LMG17, MBI<sup>+</sup>10, RKM<sup>+</sup>23b, WCSA<sup>+</sup>16, Wit00]. **Macrofaunal** [BRBD17, BSL08b, GSM<sup>+</sup>08, HLL<sup>+</sup>09, SMB<sup>+</sup>98, VD98, BRP<sup>+</sup>13, BT98, BAF<sup>+</sup>18, CDM23, CPA<sup>+</sup>11, DVS<sup>+</sup>14, GMR<sup>+</sup>09, LS18, MTB09, ODP<sup>+</sup>17, Sor99, WHF<sup>+</sup>19]. **Macrofouling** [BSJ13]. **macroinvertebrate** [XSM<sup>+</sup>19]. **Macromolecular** [KLJ<sup>+</sup>16, YLK<sup>+</sup>15]. **Macronutrient** [FBCP01, HTA<sup>+</sup>17, PWH05]. **macronutrients** [CMW<sup>+</sup>08, DEL<sup>+</sup>17, Zon07]. **macroplankton** [KOO<sup>+</sup>24]. **Macrostylidae** [RLB18b]. **Macrostylis** [KBR18]. **macrotidal** [PRP15]. **macrourid** [FARLR<sup>+</sup>13]. **macrouroids** [PK08]. **Macrourus** [PK08]. **Macrozooplankton** [HSK<sup>+</sup>00, DC12, FPGH02, HPS<sup>+</sup>11, KFG<sup>+</sup>03, KRS<sup>+</sup>11, LRR<sup>+</sup>04, MAH<sup>+</sup>12, PDT11a, SHY<sup>+</sup>08]. **macrura** [WMW<sup>+</sup>20]. **macura** [FLM10]. **Madagascar** [HZK04, ATLD<sup>+</sup>20, CDDC03, HZK04, NMWH19, PGK14, RT20, RNR20, VTD<sup>+</sup>20, VHT<sup>+</sup>20, WGW<sup>+</sup>19]. **Madden** [TSS<sup>+</sup>21]. **made** [BDM<sup>+</sup>03, CWD<sup>+</sup>10]. **Madrepora** [AHVB<sup>+</sup>17, NOFP14]. **MADRidge** [RTM<sup>+</sup>20, RT20]. **Magdalena** [RAR04]. **magellanicus** [DVC14, TLW<sup>+</sup>94]. **magmatic** [Bak98, CL15]. **Magnetic** [ElI93]. **Magnitude** [MFE<sup>+</sup>02, HPWP07, OHS10, ZXH<sup>+</sup>13]. **Mahon** [OM14]. **Main** [DVS<sup>+</sup>14, HSY08, Kha18, VGGLB15]. **Maine** [CPS05, DTP<sup>+</sup>05, FHR<sup>+</sup>14, GKQ<sup>+</sup>05, LLK05, PCJ<sup>+</sup>05, TMTR14, TDKA05, ASK<sup>+</sup>05, AKK<sup>+</sup>05, AKK<sup>+</sup>14, ACK<sup>+</sup>14, Ano05a, ABS<sup>+</sup>14, BMH05, BSM01b, BAD<sup>+</sup>14, CTCD05, CPH01, DRR<sup>+</sup>14, DPS<sup>+</sup>14, ER05, HS05a, HTW14, JCP05, JPC06, KCMA05, KCA05, KTP05a, KAM<sup>+</sup>14, LHM14a, LHM14b, LSHP01, LTH05, MTK05, MAST05, MALT05, MBC<sup>+</sup>14, MO96, MSB96, PTD<sup>+</sup>14, PHK<sup>+</sup>14, PAM<sup>+</sup>14, PKA05, Pri06, RT14, SKM14a, SHFM01, SMSA05, TC06, TBT05, TPT05, TB05]. **Maintenance** [OHFW93, VDS<sup>+</sup>20, CLB96, GWL<sup>+</sup>15, MCD<sup>+</sup>09, SRS<sup>+</sup>15]. **Major** [Gra09, MKKB14, RvAH10, BSK<sup>+</sup>97, CH24, CP05, GPÇ18, HIN<sup>+</sup>02, JC03, LOA15, RT20, SHWW22, YHK15]. **Makapu'u** [LB14]. **Makarov** [SJA<sup>+</sup>97]. **Makassar** [WGFS03]. **Malacostraca** [GBP<sup>+</sup>13, LMS15, BBBM04]. **Malate** [GQ09]. **Malcolm** [ROY13]. **male** [LV17]. **Mallorca** [CB97]. **Mallorca-Menorca** [CB97]. **Mallotus** [ASF<sup>+</sup>16, LSWH07, ODR<sup>+</sup>09]. **Malvinas** [GSMG04]. **mammal** [CLQ<sup>+</sup>18, GR10, LS17, QRE<sup>+</sup>17, TBPS22]. **mammals** [CTH<sup>+</sup>98, MK19, SCD14]. **mamubiae** [MM15]. **man** [BDM<sup>+</sup>03, MFS<sup>+</sup>23]. **man-made** [BDM<sup>+</sup>03]. **management**



[BC08, BH14, BCG<sup>+22</sup>, CMB09, CWEHT22, DGT<sup>+17a</sup>, GBS<sup>+22</sup>, GCD<sup>+06</sup>, GAHD<sup>+17</sup>, HHMF11, HSSH23, HSBT19, KAM<sup>+14</sup>, LLC17, MGT<sup>+20</sup>, MPH<sup>+16</sup>, PLD<sup>+17</sup>, PMF<sup>+17</sup>, SCCG09, WGNH15]. **managers** [BHS<sup>+17</sup>]. **managing** [DCD<sup>+14</sup>]. **Mandab** [Sme04]. **mandala** [Wya14]. **Mandeb** [SJM02]. **Manganese** [LSS<sup>+09</sup>, MBF<sup>+98</sup>, ODH<sup>+07</sup>, CBB<sup>+98</sup>, ESDM13, GBO01, KAI21, LL00, MvSHD01, MdBL<sup>+11</sup>, NSMBN08, OBRJ01, WRZ<sup>+19</sup>, YET06]. **Mangkhut** [CW22]. **Manifestation** [DAA<sup>+20</sup>]. **manipulations** [BGH99]. **Manteo** [MP94]. **Manus** [EMV09]. **many** [DDS11]. **map** [JBB<sup>+13</sup>, NHD11, SGB<sup>+02</sup>]. **MAPEM** [TZ09]. **Mapping** [HON<sup>+13</sup>, NDE14, THV<sup>+99</sup>, CES98, DHS<sup>+14</sup>, GASGB<sup>+14</sup>, MXC15, SMY<sup>+98</sup>, WMB<sup>+13</sup>]. **MAR** [MBMGK08, PBB<sup>+13</sup>, dLWFB08]. **MAR-ECO** [dLWFB08, MBMGK08]. **MarBIN** [GDC11]. **Marcasite** [Sch07]. **March** [Ano19l, DZY<sup>+01</sup>, FD98, JKK<sup>+10</sup>, MDSA19, NPBS00, SAM<sup>+13</sup>, SGW<sup>+00</sup>, WRBS10, WvdE00, Ano99l, Ano21j, Ano22s, BSMV03, CSG<sup>+13</sup>, EHK09, IF95, WDG<sup>+02</sup>, vAvVV<sup>+03</sup>]. **MARE** [vAvVV<sup>+03</sup>]. **marenzelleri** [WF13]. **Margalef** [Wya14]. **Margin** [SW00, WC01a, AMH<sup>+01</sup>, BDW<sup>+98</sup>, Bau02, BBDL98, Bol08, BRBD17, BG09a, BLW<sup>+09</sup>, BMGC09, CBNR<sup>+09</sup>, CB00b, CL09, CML<sup>+09</sup>, DRH<sup>+09</sup>, DBD03, DC08, DDB<sup>+97</sup>, DME<sup>+18</sup>, EWP<sup>+99</sup>, EBGCL08, EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, ERB<sup>+99</sup>, FBS94, FARLR<sup>+13</sup>, FS14, GMR<sup>+09</sup>, GLdS<sup>+09</sup>, GdSP11, GSdS<sup>+14</sup>, HBBD03, HZMH07, HMLS<sup>+06</sup>, HVN02, HLL<sup>+09</sup>, JWC09, JBD<sup>+09</sup>, JWCC99, LSS<sup>+09</sup>, LOB<sup>+09</sup>, LSM<sup>+06a</sup>, LWM<sup>+09</sup>, LLM<sup>+17</sup>, LSA14, MY99, MHA<sup>+01</sup>, MSD<sup>+18</sup>, MCD<sup>+09</sup>, MLG<sup>+04</sup>, MBG09, NEO<sup>+07</sup>, NHD11, OBC<sup>+14</sup>, OCG<sup>+09</sup>, PUP<sup>+07</sup>, PFC19, PBVC<sup>+16</sup>, PPM02, QSA<sup>+09</sup>, RCL<sup>+09</sup>, RH99, RdGM<sup>+09</sup>, RRT<sup>+17</sup>, RSRL00, SBDB09, SHD<sup>+14</sup>, SV09, SSM<sup>+00</sup>, SJSI00, VCSM09, VRL<sup>+02</sup>, VBF<sup>+02</sup>, WC07a, WNA<sup>+10</sup>, WC01b, WSB<sup>+09</sup>, WC09, WAC<sup>+09</sup>, ZCP<sup>+08</sup>, dMCNC99, dSJB<sup>+11</sup>, vWDB<sup>+01</sup>, vdLEM<sup>+14</sup>, IBK<sup>+11</sup>, KBI<sup>+11</sup>, PLdL97, SSL98]. **Marginal** [JRK<sup>+17</sup>, Ano95b, BS21, BBD<sup>+03</sup>, BES95, BOP95, CRS<sup>+19</sup>, Cri95, FGW02, GKH<sup>+07</sup>, HTTS12, HK08, IIM02, KHL<sup>+15</sup>, LGP<sup>+03</sup>, MN10, MWB95, NHD11, RV00, RHB<sup>+95</sup>, SRF95, SESS08, TRH<sup>+08</sup>, TOSH08, THT11, TKF16, TLKT00, WZZ<sup>+23</sup>, WPW95, WNRM08, WZ03, WvdE00, DEJ08, DYEJ08, PAR<sup>+08</sup>]. **Margins** [Bau02, VBF<sup>+02</sup>, APT11, AHVB<sup>+17</sup>, DDB<sup>+97</sup>, HBCG14, HWS<sup>+98a</sup>, HZWW16, MPZ04, MS06b, PF02, RBP<sup>+94</sup>, SO98, SSR96]. **Marguerite** [AHV<sup>+17</sup>, ARW<sup>+04</sup>, ADG<sup>+08</sup>, BLO04, CHM<sup>+17</sup>, CRF04, CMW<sup>+08</sup>, CDT11, DT08, FJF<sup>+11</sup>, FMS08, HVBO08, HBO11, MDTS11a, MDTS11b, MBW<sup>+08</sup>, PDT11a, PEC<sup>+04</sup>, RCF<sup>+08</sup>, RBS<sup>+17b</sup>, SFW08, VMB17, WMB<sup>+08</sup>, ZZP04]. **Maria** [BFT10, CMVS<sup>+10</sup>, DCC<sup>+17</sup>, Di 10, ESL<sup>+10</sup>, MDC<sup>+10</sup>, RVD<sup>+10</sup>, SC10]. **Mariana** [LAT<sup>+18</sup>, iITT<sup>+15</sup>, TTD13]. **Marine** [Ake19, Ano09b, BJK<sup>+22</sup>, Bro19, DW15a, DKC<sup>+17</sup>, EHB19, GASGB<sup>+14</sup>, HD07, JVDH08, KKSA19, LP19, LVP<sup>+17</sup>, Lut09, MSvL17, MSGO18, MK19, MWFS17, MPTW11, PH19, PG07, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, PJC19, SH11a,

SPDW19, SID19, SKR<sup>+12</sup>, Sum19, SBG<sup>+06</sup>, VSM17, YKSI19, ZPG14, ZQW19, ZDP<sup>+16</sup>, vdBGM<sup>+17</sup>, AYMSAS19, AJ95, AHV<sup>+00</sup>, Ark13, AZYT16, AGJ07, ASBR17, BH14, BHS<sup>+06</sup>, BOHW22, BA10, BWD20, BCG<sup>+22</sup>, BS21, BML<sup>+06</sup>, BCP<sup>+15</sup>, CFS<sup>+06</sup>, CLQ<sup>+18</sup>, CWEHT22, CNOC13, CWE<sup>+17</sup>, CTH<sup>+98</sup>, CRI18, DWG<sup>+15</sup>, DHCV19, DMC<sup>+17</sup>, DHS<sup>+14</sup>, DDS11, DeM02, DW15b, DAN23, DJCF09, Duc08, DGT17b, EPK<sup>+10</sup>, EPPR09, EBG<sup>+15</sup>, FPB<sup>+14</sup>, FO05, Fri01, FG07, GFK24, GRD<sup>+08</sup>, GR10, GF07, GKB19, GDC11, HSSH23, Hat02b, HM14, HH20, HAE<sup>+15</sup>, HDJP05, HSSN08, JRJ<sup>+22</sup>, JLK03, JRK<sup>+17</sup>, KRW03, KMMS18, KMB11, KYW20, KMOM19, LWO<sup>+09</sup>].

**marine**

[LPFS97, LHS96, LAGK<sup>+18</sup>, LS17, LHKHH10, LLT<sup>+00</sup>, Mac08, MSMS08, MBH<sup>+96</sup>, MGT<sup>+20</sup>, Mas02, MCH22, MDS<sup>+16</sup>, MXC15, MV23, MDK<sup>+01</sup>, NCSO13, OPDM11, OBRJ01, OL15, OM02, ORFA<sup>+14</sup>, PW15, Pas16, PLPS98, Pon07, PSP<sup>+09</sup>, QQJ<sup>+21</sup>, RH14, Sch07, SCD14, SPEPS18, SCPC98, SBL<sup>+18</sup>, SHM<sup>+07</sup>, SSB<sup>+06</sup>, SSAF02, TAMTC<sup>+13</sup>, Tho97, TDvdE<sup>+10</sup>, TM22, TBPS22, TGFE02, TBFP04, Uys06, VAT23, VVV04b, VGD14, WKM<sup>+07a</sup>, WWH<sup>+10</sup>, WBCB06, WWB04, WPW<sup>+14</sup>, WSSN10, WAC<sup>+09</sup>, WYT19, XZW<sup>+19</sup>, YWW23, YSBH06, YHC<sup>+15</sup>, YBHM05, ZSKL19, ŽSN<sup>+18</sup>].

**Marine-entry** [VSM17]. **Marinobacter** [MGT16]. **marinoi** [MGJ<sup>+09</sup>].

**marionae** [KBR18]. **Maritime** [SSC<sup>+23</sup>]. **marker** [RH07]. **markers**

[BLS<sup>+97</sup>, Har94, JH04, PPYN15, PSS<sup>+16</sup>, Vri09]. **marlin** [CCM<sup>+20</sup>].

**Marmara** [RDC<sup>+18a</sup>, ACBV<sup>+18</sup>, ÇYB<sup>+18</sup>, FDR<sup>+18</sup>, GPÇ18, GHD<sup>+18</sup>, HGK<sup>+18</sup>, RH07, RÇG18, RDC<sup>+18b</sup>, ROBV<sup>+18</sup>, TCG<sup>+18</sup>, Uys06, YLR18].

**marshallae** [PCAS05]. **MarsiteCruise** [ROBV<sup>+18</sup>]. **Mártir** [MML06].

**Maru** [CHU<sup>+00</sup>]. **Mascarene** [WWL02]. **MAFLEX** [TIKS03]. **Masked**

[EF98]. **Mass** [AGPR95, CB00a, LTS<sup>+97</sup>, MPE<sup>+09</sup>, SLB<sup>+16</sup>, AKH<sup>+02</sup>, BNM<sup>+07</sup>, BH99a, CW97, CCM15, CJF<sup>+12</sup>, CP05, CRD<sup>+17</sup>, FDC<sup>+18</sup>, GLDCA<sup>+06</sup>, GGLP02, GP16, GOP<sup>+01</sup>, HCBP97, HWM02, HGMA<sup>+02</sup>, HdBB<sup>+02</sup>, HBK<sup>+98</sup>, IBD10, JR11, JSBC15, KM05b, KDMH18, KHB<sup>+04</sup>, KHL<sup>+17</sup>, Las93, LBY<sup>+10</sup>, MA05, MBS05, MLG<sup>+04</sup>, OHT12, PMM<sup>+94</sup>, RdGM<sup>+09</sup>, RLVF02, RJWD01, RYT01, SH99b, SKD<sup>+16</sup>, SWC<sup>+02</sup>, SBHS20, SFG98, SRF09b, SHFM01, SBS<sup>+02</sup>, SCSMT20, SYK<sup>+13</sup>, TRF<sup>+97</sup>, WJS<sup>+10</sup>, WLA11, WSFB02, WCJ97, YCYK10, vBBR<sup>+08</sup>]. **mass-balanced**

[SCSMT20]. **masses** [BSK<sup>+97</sup>, BRW00, BLSS10, CBCT09, CPF<sup>+14</sup>, CRM<sup>+16</sup>, CAGLV<sup>+06</sup>, DEL<sup>+17</sup>, FHR<sup>+11</sup>, GCR<sup>+02</sup>, HDD<sup>+11</sup>, HSY08, KL96c, LHZ<sup>+16</sup>, MKB<sup>+10</sup>, OACA19, Pee97, PNL<sup>+19</sup>, PE17, RMCAR06, RAF<sup>+11</sup>, SSWM18, SHB02, SRF09b, SSC<sup>+00</sup>, SLB<sup>+16</sup>, SGP<sup>+11</sup>, TGA<sup>+09</sup>, TGLN93, TMTR14, VPK<sup>+19</sup>, VCO<sup>+15</sup>, YLBdR03, ZWK<sup>+15</sup>]. **Massif**

[RKM23a, GTB15]. **massive** [BBS14, LS14a, ORFA<sup>+14</sup>, PTD<sup>+17</sup>, PCB<sup>+17</sup>, SZM10, SPB<sup>+14</sup>, TBC<sup>+17</sup>, ZAC<sup>+15</sup>]. **mat** [GPK02]. **material**

[BS01, BMOW09, CAFK03a, CDH<sup>+00</sup>, CLGM05, Cri95, DB02, GJ11, GHIM04, HMB<sup>+96</sup>, HHP<sup>+96</sup>, LBV<sup>+08</sup>, MHA<sup>+01</sup>, NRSL17, RHB<sup>+95</sup>, SMCA01, SRH<sup>+11</sup>, TRWB99, WCWW99]. **materials**

[ANI09, BD94, KSDE16, NAT<sup>+12</sup>]. **maternal** [RHM13]. **mathematical**

[CHG15]. **Mating** [FRBB10, BKS<sup>+</sup>10, HC13]. **matrices** [CAJE15, DRR<sup>+</sup>14]. **matrotrophy** [CGD<sup>+</sup>15]. **Matruh** [Gol93]. **matter** [AWL<sup>+</sup>09, ARC02, BGS98, BS03, BHMC05, BSS<sup>+</sup>17, BCG04, BBDL98, BA94, BSP00, BRP<sup>+</sup>13, BLS<sup>+</sup>97, BGG<sup>+</sup>09, CHPS00, CZVR02, CCZ<sup>+</sup>21, CM00, ÇYFB<sup>+</sup>06, ÇYAYT06, CLPL<sup>+</sup>09, CSS<sup>+</sup>02, DD95, DB05, DTB<sup>+</sup>02, DKN<sup>+</sup>97, DJS<sup>+</sup>08, DC00, DSYH09, EAS<sup>+</sup>09, ERB<sup>+</sup>99, FA02, FCP99, GGM<sup>+</sup>16, GLSK<sup>+</sup>17, GMC<sup>+</sup>12, GZZC10, HPS<sup>+</sup>13, HWM02, HLG<sup>+</sup>21, Har94, Hat02a, HK01, HIN<sup>+</sup>02, HVN02, HSC<sup>+</sup>07, HCG<sup>+</sup>03, HD02, HLM<sup>+</sup>01, KBLA97, KLY<sup>+</sup>15, KMC05, KVB<sup>+</sup>09, KSU<sup>+</sup>06, KW00, LGHD20, LG09, LQF<sup>+</sup>02, LPW<sup>+</sup>09, LG98, LWM<sup>+</sup>09, LWL<sup>+</sup>16, LKH<sup>+</sup>07, LFC16, MS06a, MPV<sup>+</sup>11, MORB<sup>+</sup>15, MBB<sup>+</sup>02, MD14, MGS<sup>+</sup>10, MSM<sup>+</sup>02, Mil94b, MFG<sup>+</sup>04, MGC<sup>+</sup>14, MBT97, MB08, NSKG96, NTS<sup>+</sup>11, PMJW10, PPZ93, Pfa93, PDY20, PDS<sup>+</sup>17, PDTS08, PGZ<sup>+</sup>09, QB02, RTB02, RCL<sup>+</sup>09, RGS<sup>+</sup>97, RPF<sup>+</sup>16, SSB<sup>+</sup>17, SSL98, SW00, SBN<sup>+</sup>15, SBA<sup>+</sup>20, SP00, SD96]. **matter** [SAM96, SJSI00, TRH<sup>+</sup>08, VCSM09, VKGP<sup>+</sup>11, VAK<sup>+</sup>09, WBM96, WC09, YCN<sup>+</sup>10, YCT<sup>+</sup>22, YBHM05, dMCNC99]. **maturation** [BKCV10]. **mature** [MBNRB08]. **maturity** [AST07, CHPF10, GPF16, KM15, LAÁ<sup>+</sup>14]. **Maud** [BBB<sup>+</sup>11a]. **Mauritania** [EFW<sup>+</sup>14]. **Mauritanian** [PLHMA06]. **Maurolicus** [RBS17a]. **Mawson** [WNRM08]. **maxima** [FLTV97, HPWP07]. **maximum** [BLP<sup>+</sup>15, DW15a, FHP94, HSS<sup>+</sup>12, MASVB<sup>+</sup>19, MSRM08, NRH<sup>+</sup>06, PSE<sup>+</sup>93, PKZ93, TPS<sup>+</sup>15, ACFS02, LXWC21, LAT<sup>+</sup>18]. **May** [Ano99m, OTH05, Ano00n, Ano21k, Ano22t, Gra09, JPSB93, LSU04, LCR<sup>+</sup>96, LBB<sup>+</sup>06, OE06, RS02]. **May/June** [Gra09]. **Mayen** [NA09]. **MC118** [MMS<sup>+</sup>16]. **McLeay** [VAM97]. **meadow** [AHHCR23]. **Mean** [CGR<sup>+</sup>00, GPC14, LWL<sup>+</sup>24, MPI07, QC10, SJL05, SS99b, TSW<sup>+</sup>09, TLW<sup>+</sup>94]. **meander** [GSK02, Gol93]. **Meanders** [ARNB01, BPRS11, BKM07, CMBPM04]. **means** [BEM<sup>+</sup>15, CFR<sup>+</sup>14, CNOC13, DCD<sup>+</sup>14, RSS01, VMGO<sup>+</sup>09, vGCM00]. **Measured** [TSPH09, ADBW16, BT04, CMV<sup>+</sup>20, CKH<sup>+</sup>08, DDLK06, JLAD95, KSS00a, LBL08, LPW<sup>+</sup>09, LTH05, MCS07, PMGH01, Qua97, RG03, SOS01, SMB03, TRM<sup>+</sup>14, WEB93, YAS<sup>+</sup>93]. **Measurement** [JOD98, SBB<sup>+</sup>05, HO99, JEK<sup>+</sup>15, TBB<sup>+</sup>08]. **Measurements** [CSW<sup>+</sup>18, LCW<sup>+</sup>07, MSW11, BCH<sup>+</sup>96, BDBB07, BLO04, BDW<sup>+</sup>96, BFK<sup>+</sup>14, CTGD08, CBB<sup>+</sup>95, CMA<sup>+</sup>09, CCH95, DO96, FK98, GNG<sup>+</sup>22, GVW<sup>+</sup>19, GLW<sup>+</sup>97, HHKH<sup>+</sup>04, HWS<sup>+</sup>13, KLTS13, KWN<sup>+</sup>09, KKD06, KVPK20, LFPC14, LBJ<sup>+</sup>13, MMS<sup>+</sup>16, MDTS08, MNB02, MC12, Mit96, MRM<sup>+</sup>12, NDT<sup>+</sup>01, PHD<sup>+</sup>18, PDSS96, PPR<sup>+</sup>20b, RCL<sup>+</sup>09, RTC06, RPF01, SHF<sup>+</sup>95, SWC<sup>+</sup>02, SSY<sup>+</sup>05, SHM<sup>+</sup>01, VSGGPR14, WAW05b, WSL<sup>+</sup>11, XAY<sup>+</sup>11]. **measures** [Eks07, PSK<sup>+</sup>14, RTC<sup>+</sup>07]. **measuring** [PNS<sup>+</sup>09, RSWG04]. **mechanics** [Joh19]. **mechanism** [CDRB16, GKH<sup>+</sup>07, GEP<sup>+</sup>16, HGM<sup>+</sup>11, LWO<sup>+</sup>09, NSMBN08, PTM<sup>+</sup>16]. **Mechanisms** [DLF<sup>+</sup>09b, MR01, MALT05, AKM<sup>+</sup>05, DD15a, DD15b, EBM<sup>+</sup>18, Gau07, HRSJ23, HDW<sup>+</sup>20, JRG<sup>+</sup>22, JRK<sup>+</sup>17, KK19, MCM06, NC97, SVB<sup>+</sup>19, SRY04, SGC03, XZW<sup>+</sup>19, MTGY05]. **mechanistic**

[ALH<sup>+</sup>01]. **Meddies** [SAM05]. **MEDESS** [FSP<sup>+</sup>16, COS<sup>+</sup>16, MPM<sup>+</sup>16]. **MEDESS-4MS** [FSP<sup>+</sup>16, COS<sup>+</sup>16, MPM<sup>+</sup>16]. **MedFlux** [LAC<sup>+</sup>09, WLP<sup>+</sup>09]. **mediated** [BA01, ENM<sup>+</sup>14, ENM<sup>+</sup>16, FJR<sup>+</sup>20, SGI<sup>+</sup>19]. **mediation** [SSLA95].

**Mediterranean** [AFC<sup>+</sup>17, BFDB17, Bre93, BLI<sup>+</sup>09, CMB02, Di 10, IABR<sup>+</sup>17, LPK<sup>+</sup>17, LLS<sup>+</sup>19, MDC<sup>+</sup>10, MGS<sup>+</sup>10, OGG<sup>+</sup>20, PLD<sup>+</sup>17, PMF<sup>+</sup>17, PDA<sup>+</sup>17, PST<sup>+</sup>05, RSR<sup>+</sup>19, RG93, SAG<sup>+</sup>10, TR02, VPK<sup>+</sup>19, VSR<sup>+</sup>10, AV97, APMN<sup>+</sup>17, AGL<sup>+</sup>19, AHV<sup>+</sup>00, AKZL16, ASB<sup>+</sup>02, AAG19, ALR<sup>+</sup>14, Avr02, AAL<sup>+</sup>17, BMCF97, BMP<sup>+</sup>09, BBN97, BCM02, BGCH20, BMRTL93, BMRP02, BFML<sup>+</sup>08, BWAS02, BLS<sup>+</sup>97, BGG<sup>+</sup>09, BG09b, CBG02, CB97, CMB<sup>+</sup>97, CW97, CMA<sup>+</sup>09, Cor10, CMTS97, CMC<sup>+</sup>02, DMS<sup>+</sup>10, DCC<sup>+</sup>17, DMC<sup>+</sup>17, DGR02, DCA09, DFA<sup>+</sup>20, ETP<sup>+</sup>16, EFR<sup>+</sup>19, FPB<sup>+</sup>14, FARLR<sup>+</sup>13, FSK<sup>+</sup>05, FA02, GLCU<sup>+</sup>17, GPBV<sup>+</sup>07, GGO<sup>+</sup>14, GAHD<sup>+</sup>17, GMC97, GG02, GCN<sup>+</sup>97, HMLS<sup>+</sup>06, HZK<sup>+</sup>05, ID19, IFFGL<sup>+</sup>04, JASS02, KTP<sup>+</sup>20a, KTP<sup>+</sup>20b, KMT20, KK20, KTP<sup>+</sup>05b, KWH<sup>+</sup>05, KTB<sup>+</sup>05, LLD<sup>+</sup>17, LPA<sup>+</sup>17, LPdR<sup>+</sup>14, Las93, LAW<sup>+</sup>05, LLLP<sup>+</sup>03, LPW<sup>+</sup>09, LW15, LLM<sup>+</sup>17, LTS<sup>+</sup>97, MCK<sup>+</sup>19].

**Mediterranean** [MM97, MPPR14, MCPA02, MC02, MSC<sup>+</sup>19, MSM<sup>+</sup>02, MBTM97, NSLAP<sup>+</sup>17, PPR<sup>+</sup>20a, PWR05, PVK<sup>+</sup>20, PN93, PDB<sup>+</sup>16, PKZ<sup>+</sup>19, PZT<sup>+</sup>19, PZK<sup>+</sup>05, PGZ<sup>+</sup>09, RD16, RVD<sup>+</sup>10, RBCG10, SNS10, SLDL93, SA02, SAK05, SLM<sup>+</sup>20, SGA97, SZV<sup>+</sup>19, STD<sup>+</sup>20, SVKT20, SABP<sup>+</sup>16, Spa99, SGM<sup>+</sup>02, SCM<sup>+</sup>09, TGRB02, TAC<sup>+</sup>17, TGLN93, TMP<sup>+</sup>19, Thi05, TRF<sup>+</sup>97, TPP<sup>+</sup>20, TLP<sup>+</sup>19, TLMT97, Uys06, VPA<sup>+</sup>20, VGZ<sup>+</sup>19, VCG<sup>+</sup>20, ZDP<sup>+</sup>16, ZHK<sup>+</sup>05, ZEGB97]. **mediterraneus** [FARLR<sup>+</sup>13]. **medium** [LMG93]. **medusae** [SB05]. **Medusozoa** [OBPY10, Ste13]. **meeting** [AAB<sup>+</sup>97]. **Mega** [RKM<sup>+</sup>23b]. **Mega-** [RKM<sup>+</sup>23b]. **megabenthic** [Blu01, KME18, LBB<sup>+</sup>07, LB14, MLH<sup>+</sup>22]. **Megabenthos** [LRL<sup>+</sup>22]. **megacrustaceans** [EBGCL08]. **Megafauna** [FPB<sup>+</sup>14, LPPCF10, ASBR17, BFA<sup>+</sup>08, Car10, CRBK03, DMS<sup>+</sup>10, FVW08, GLdS<sup>+</sup>09, KCM<sup>+</sup>14, KRHS20, LVP<sup>+</sup>17, MBI<sup>+</sup>10, NCSB<sup>+</sup>98, RSN01, WACGH11, WZB<sup>+</sup>14]. **Megafaunal** [MBG09, ARB<sup>+</sup>13, BMSBM<sup>+</sup>17, DLKP14, Hec94, LT03, NHH<sup>+</sup>13, OGG<sup>+</sup>15, QSA<sup>+</sup>09, SBS<sup>+</sup>08, TRB98, WAM<sup>+</sup>18]. **Megaptera** [BJK<sup>+</sup>22]. **meiobenthic** [TMP<sup>+</sup>13]. **Meiobenthos** [LSST20, AS01a, BPR<sup>+</sup>10]. **Meiofauna** [GARVK04, SWL<sup>+</sup>18, VVV04a, ZBC<sup>+</sup>13, BMHR08, KSM<sup>+</sup>11, LGVK<sup>+</sup>14, NGF09, PGZ<sup>+</sup>09, RBA<sup>+</sup>01, SA15b, SNS<sup>+</sup>07, SP00, VKGQ<sup>+</sup>09, VKGP<sup>+</sup>11]. **Meiofaunal** [EBDL08, SLM<sup>+</sup>20, BGB08, HWTN22, KBG<sup>+</sup>10, VGSV09]. **Melanogrammus** [BD06]. **Melilla** [LGR<sup>+</sup>14]. **melt** [Ald95, ECS<sup>+</sup>17, GBI10, Kyt02a, LFC16, MSV<sup>+</sup>17, PSA14, SBM16, vdMLB<sup>+</sup>11]. **melt-pond** [PSA14]. **melted** [CFL<sup>+</sup>16]. **melting** [AMvD<sup>+</sup>12, GAL<sup>+</sup>12, GAL<sup>+</sup>20, HCL<sup>+</sup>22, HMHY11, SSG<sup>+</sup>11]. **Melvill** [CL06]. **member** [QW15, Thi05]. **members** [MD17]. **Memoriam** [Ano19]. **memory** [Lut15]. **Mendeleev** [ZWK<sup>+</sup>15]. **Menorca** [CB97]. **Mercury** [BHLS15, CSEP<sup>+</sup>17, FHT<sup>+</sup>14, FTT<sup>+</sup>17, MLS01, CHN<sup>+</sup>18, CMTS97,

LRFK99, MS99, SA18]. **Merging** [KKMSM12]. **meridian** [BFH<sup>+</sup>11, DJR<sup>+</sup>01, FHR<sup>+</sup>11, NTH10, SSJ<sup>+</sup>22, SB22, VPS97, WS11, ZSB01, KFHR05, RPB02, vHHH<sup>+</sup>11]. **meridional** [KF95]. **Meridional** [BJB<sup>+</sup>06, BMML06, CH11, DD15a, DWW<sup>+</sup>02, GLBB11, GM11, MD06, MKW11, NI10, PDA<sup>+</sup>20, RHJ06, RPH<sup>+</sup>06, RHJL09, Bae11, BPD<sup>+</sup>11, BH19a, BHLS15, BJ15, FM03c, GRWW01, HWP<sup>+</sup>11, KHL<sup>+</sup>17, LBB11, MZD<sup>+</sup>11, RHL<sup>+</sup>22, RHK<sup>+</sup>11, RCHK<sup>+</sup>11, SF11, HMHY11]. **Meristoderes** [AM18]. **meroplanktonic** [BMH<sup>+</sup>94]. **MERRA** [bsBD<sup>+</sup>20]. **MERRA-2** [bsBD<sup>+</sup>20]. **Mersa** [Gol93]. **Mertz** [VSGM03a, HB03, HBB03, SMV<sup>+</sup>03, VSGM03b]. **mesatlantica** [MCB<sup>+</sup>15]. **Meso** [TSMS09, BHS<sup>+</sup>06, BHS<sup>+</sup>10, MBO07, OGBF08, SNS10]. **Meso-** [TSMS09, BHS<sup>+</sup>10, OGBF08]. **meso-marine** [BHS<sup>+</sup>06]. **meso-scale** [MBO07]. **mesocosm** [AGPR95, CCH95, DD95, JLAD95, Jac95b, LL95, MZR<sup>+</sup>95, PA95, SSLA95]. **mesocosms** [VSFF09]. **Mesopelagic** [BTR20, BBB<sup>+</sup>01, DLLK15, JDS<sup>+</sup>08, RSA<sup>+</sup>10, SS02, AT10, ACR<sup>+</sup>20, BH08, CHN<sup>+</sup>10, CTW<sup>+</sup>20, CSF<sup>+</sup>12, CBJ<sup>+</sup>23, DSO<sup>+</sup>97, DSJ<sup>+</sup>11, ETDB11, KMKA20, LBV<sup>+</sup>08, LZL<sup>+</sup>22, LOFC00, MN10, OB22a, OB22b, OSM<sup>+</sup>20, PNC<sup>+</sup>06, PKZ<sup>+</sup>19, RGH<sup>+</sup>24, RBS17a, RWT<sup>+</sup>20, RQRVM10, SMA<sup>+</sup>17, SCWK08, TBB<sup>+</sup>08, UGSK<sup>+</sup>20, VVM<sup>+</sup>12, WZZ<sup>+</sup>19, WSB08, WWHT20, ZLW<sup>+</sup>19, ZWQ<sup>+</sup>19, ZWJ<sup>+</sup>19]. **Mesophotic** [SEM16]. **mesoplankton** [OvdRvA<sup>+</sup>22]. **mesopredator** [EHK<sup>+</sup>20].

**Mesoscale** [BPC05, BdBJ<sup>+</sup>14, BNM08, DD15b, FWR<sup>+</sup>02, GPCT23, Hug14, JHS<sup>+</sup>17, MFPL19, MMMC07, RMC<sup>+</sup>93, SKMDR02, SGP<sup>+</sup>02, SBvdL<sup>+</sup>02, WSM<sup>+</sup>22, WC07b, ZHM<sup>+</sup>24, ZTZ09, ARLB00, AHR<sup>+</sup>06, AS02a, ATLD<sup>+</sup>20, BK99, BLM<sup>+</sup>14, BGWF08, BML<sup>+</sup>06, BMF<sup>+</sup>01, BLS<sup>+</sup>08, BLC<sup>+</sup>08, CB16, CMW<sup>+</sup>05, CHSVB<sup>+</sup>19, GOD<sup>+</sup>01, GSdAMNMM04, GFW07, HRM<sup>+</sup>06, HKN<sup>+</sup>09, JZ01, JTK<sup>+</sup>14, JDL<sup>+</sup>22, JMSW05, JAM<sup>+</sup>14, KM05a, LCH<sup>+</sup>09, LBMvdB14, LBR<sup>+</sup>08, LDS<sup>+</sup>08, LDHO<sup>+</sup>14, LSM<sup>+</sup>06b, MSK<sup>+</sup>06, MJW<sup>+</sup>06, MSJ<sup>+</sup>06, MRLL01, MR01, MKRY01, MSC<sup>+</sup>19, MLS<sup>+</sup>06, MiSW08, MGGTM19, NOT<sup>+</sup>09, NMH<sup>+</sup>06, NKD<sup>+</sup>08, NTK<sup>+</sup>09, PPA10, PWH05, PNL<sup>+</sup>19, PBMM14, PAUB19, RPA07, RJWD01, RSC07, SGD<sup>+</sup>14a, SGA<sup>+</sup>15, STN<sup>+</sup>09, SCM<sup>+</sup>08, SMPSTG<sup>+</sup>04, SGB<sup>+</sup>02, SD22, SMB03, TYBY06, UY04, VJF23, VHT<sup>+</sup>20, WDD<sup>+</sup>22, WW23, WTCB09, WJS<sup>+</sup>06, ZLZ<sup>+</sup>15, ZZM<sup>+</sup>13, vHSM04b]. **mesotrophic** [LR97]. **Mesozooplankton** [ACG<sup>+</sup>17, BGH99, CAMA<sup>+</sup>02, CSA<sup>+</sup>09, CAS<sup>+</sup>16, CSS<sup>+</sup>10, DZBR95, GML99, LDS<sup>+</sup>08, LMG93, MGHN01, NPA<sup>+</sup>22, RSW<sup>+</sup>00, SD06a, SZV<sup>+</sup>19, TSN<sup>+</sup>06, WGB<sup>+</sup>04, WAT12, WGG98, Zel01, BSSK<sup>+</sup>08, CLSS15, DMJ93, DLR11, FWP<sup>+</sup>07, GLLC04, GS08, HMH<sup>+</sup>02, HPM02, KSS00a, KH10, LKD<sup>+</sup>15, LAMS<sup>+</sup>01, MC05, NMC<sup>+</sup>07, NRH<sup>+</sup>20, PWR05, PAR<sup>+</sup>08, RAL<sup>+</sup>01, RSR<sup>+</sup>00, SBB06, SCB<sup>+</sup>16, SCWK08, SKKM20, SKW07, SKH10b, TRWB99, ZDWR95, ZD97, ZYP04]. **Metabarcoding** [YQMB20, OvdRvA<sup>+</sup>22, PDY20]. **metabolic** [AMV<sup>+</sup>09, HWK<sup>+</sup>14, LGO08, MBP<sup>+</sup>20, MBK08, SPSM23]. **Metabolism** [DKGT04, KYI10a, DZBR95, GLLC04, GQ09, HAH<sup>+</sup>01, HDF<sup>+</sup>01, HMC09,

LLK<sup>+09</sup>, RGH<sup>+24</sup>, ZDWR95]. **metagenomic** [KHT<sup>+20</sup>]. **metagenomics** [KG09]. **Metal** [TBB<sup>+11</sup>, BLO<sup>+17</sup>, DGK<sup>+22</sup>, FJG<sup>+00</sup>, FBCP01, HWS<sup>+07</sup>, Kos01, KFW01, OPV11, SHF<sup>+95</sup>, TLF97]. **Metals** [PSP<sup>+09</sup>, BSSE16, Cha03, CBC02, FKW01, GCN<sup>+97</sup>, KSDE16, MBTM97, NSMBN08, NEN<sup>+07</sup>, SVD97, SM01, TTCD14, Zon07]. **metamorphism** [AS02b]. **metapopulations** [BMH<sup>+94</sup>]. **metatranscriptomic** [LVP13]. **Metazoan** [BMHR08, PK08, SP00, VKGQ<sup>+09</sup>, BGB08, BPR<sup>+10</sup>, BOJ<sup>+10</sup>, FG97, GBLS00, KBG<sup>+10</sup>, KMM<sup>+08</sup>, MBP<sup>+20</sup>, PGZ<sup>+09</sup>, SA15b, SNS<sup>+07</sup>, TMP<sup>+13</sup>, Wit00]. **metazooplankton** [PF02]. **meteoric** [MSV<sup>+17</sup>, vWMR<sup>+17</sup>]. **meteoritic** [Kyt02b, Kyt02c]. **Meteorological** [FD01, RGIH<sup>+06</sup>, PFX<sup>+02</sup>]. **meters** [vGCM00]. **Methane** [ACBV<sup>+18</sup>, BPF<sup>+03</sup>, LMG17, RKM<sup>+22</sup>, VKM13, YZZ<sup>+16</sup>, YZZ<sup>+19</sup>, AM22a, AM22b, BNP<sup>+09</sup>, CBNR<sup>+09</sup>, DGK<sup>+22</sup>, DME<sup>+18</sup>, ESL<sup>+10</sup>, FUGG<sup>+09</sup>, HFL<sup>+15</sup>, LMM<sup>+17</sup>, LLL<sup>+15</sup>, LSM<sup>+06a</sup>, LZM<sup>+13</sup>, MMS<sup>+16</sup>, MSD<sup>+18</sup>, NKA<sup>+11</sup>, NCK<sup>+22</sup>, PTD<sup>+17</sup>, PUP<sup>+07</sup>, PBVC<sup>+16</sup>, PRSS23, RTC06, SSK<sup>+23</sup>, SDB<sup>+18</sup>, SHM<sup>+07</sup>, TCG<sup>+18</sup>, ULTL16, WJS<sup>+10</sup>]. **methane-** [PTD<sup>+17</sup>]. **methane-bearing** [PBVC<sup>+16</sup>]. **methane-charged** [SHM<sup>+07</sup>]. **methane-cycling** [ULTL16]. **Methane-derived** [ACBV<sup>+18</sup>]. **methane-oxidizing** [CBNR<sup>+09</sup>]. **methane-soaked** [PUP<sup>+07</sup>]. **methanogenic** [RDV<sup>+09</sup>, WOM<sup>+16</sup>]. **methanotrophic** [RDV<sup>+09</sup>]. **method** [BMRTL93, BFH<sup>+23</sup>, CMT93, DRR<sup>+14</sup>, SOW01, UGSK<sup>+20</sup>, XA09]. **methodological** [JBB<sup>+13</sup>, WLD<sup>+07</sup>]. **methodologies** [GRC<sup>+03</sup>]. **Methodology** [RSC<sup>+09</sup>]. **Methods** [Joh19, EBDL08, ELP13, GWP<sup>+98b</sup>, MS18, ROB<sup>+17</sup>, SAM96, TPP<sup>+20</sup>, dLWFB08]. **methyl** [MW06]. **methylamines** [GMLB99]. **methylmercury** [CSEP<sup>+17</sup>]. **metrics** [CSS<sup>+22b</sup>]. **Metridia** [KL03]. **metropolitan** [DMC<sup>+17</sup>]. **Mexican** [GMPSHA<sup>+13</sup>]. **Mexico** [SW08, AD08, AAW<sup>+16</sup>, BMHR08, BH08, BCN<sup>+16</sup>, BLM<sup>+10</sup>, BGB08, BHMK08, BHSJ16, BPR<sup>+10</sup>, BSL08b, CBV<sup>+16</sup>, CB16, Car10, CH24, CHV<sup>+15</sup>, Col16, CDM<sup>+16</sup>, CBHF10, DC08, DGK10, DCH04, DQC14, EBGCL08, EBDL08, ECM<sup>+06</sup>, EWF<sup>+18</sup>, FR10, GPMZ<sup>+10</sup>, GPMS<sup>+16</sup>, GPF16, GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>, HDK08, JD08, JBS<sup>+10</sup>, Joy16, JBÖ<sup>+16</sup>, Kel10, LPPC<sup>+10</sup>, LPPCF10, LLG<sup>+16</sup>, MSH10, MASVB<sup>+19</sup>, MMS<sup>+16</sup>, MHC<sup>+10</sup>, MB08, NWZL23, ONSSVGR04, OJK<sup>+10</sup>, PBGCD<sup>+13</sup>, QNL<sup>+16</sup>, QED<sup>+14</sup>, RFJ10, RSH10, RPF<sup>+16</sup>, RQRVM10, RWN<sup>+08</sup>, RK08, RMNB08, SCL<sup>+04</sup>, SR08a, SKD<sup>+16</sup>, SR08b, VALW23, WSS<sup>+08</sup>, WJS<sup>+10</sup>, WJR<sup>+16</sup>, Wil08, ZHM<sup>+24</sup>, ZL23, ZDA<sup>+16</sup>, CHSVB<sup>+19</sup>, RAR04]. **Meyers** [HWWM19]. **Micro** [IF95, KF95, MMM<sup>+00</sup>, AMN<sup>+02a</sup>, BBAL<sup>+20</sup>, CGR<sup>+96</sup>, FMS08, NRSL17, OvdRvA<sup>+22</sup>, PCB<sup>+17</sup>]. **micro-** [OvdRvA<sup>+22</sup>]. **micro-algal** [FMS08]. **micro-electrode** [PCB<sup>+17</sup>]. **micro-fauna** [BBAL<sup>+20</sup>]. **micro-habitats** [NRSL17]. **micro-organisms** [AMN<sup>+02a</sup>, CGR<sup>+96</sup>]. **Micro-phytoplankton** [IF95, KF95]. **Micro-scale** [MMM<sup>+00</sup>]. **Microalgae** [BH97]. **microalgal** [CMNM16, PBG<sup>+10</sup>, PSAY20]. **microanalysis** [AELP14]. **microarray** [JBR<sup>+18</sup>]. **microbes** [SAW16, TDvdE<sup>+10</sup>, ZWZ18]. **Microbial**

[AHR<sup>+</sup>06, BSP00, BL01b, BLC<sup>+</sup>02, COV<sup>+</sup>08, CDJM04, DRBM97, EMW<sup>+</sup>08, GGH<sup>+</sup>00, HRM<sup>+</sup>06, Kem94, LK02, LHD<sup>+</sup>22, NVBJ08, OGG<sup>+</sup>15, OFD<sup>+</sup>22, PRC<sup>+</sup>09, RHL<sup>+</sup>22, SLA<sup>+</sup>01, TZS<sup>+</sup>01, ULTL16, WREC18, ZJA16, ZHB<sup>+</sup>07, BGCH20, BL00, BHSJ16, BLOM93, CBNR<sup>+</sup>09, CLC<sup>+</sup>98, CSGC03b, DHGO23, DSYH09, ETD<sup>+</sup>11, FSK<sup>+</sup>05, GDD<sup>+</sup>09, HS01, HFD<sup>+</sup>23, HD02, JBS<sup>+</sup>10, KG09, KRB95, MBP<sup>+</sup>20, MORB<sup>+</sup>15, NTA<sup>+</sup>10, OJK<sup>+</sup>10, PTO<sup>+</sup>16, PTD<sup>+</sup>17, PDT<sup>+</sup>10, PDT<sup>+</sup>11b, PST<sup>+</sup>05, RvAH10, RBS<sup>+</sup>17b, RPZ<sup>+</sup>14, SLDL93, SMH<sup>+</sup>06, SLS<sup>+</sup>10, SMB<sup>+</sup>98, TGG<sup>+</sup>09, TR02, TLSY11, TLSW15, Thi05, VGBGPA02, WvdEM00, WLH<sup>+</sup>16, ZLW<sup>+</sup>19]. **microcephalus** [CFK15]. **Microscope** [Mal15]. **microcosm** [BCN<sup>+</sup>16, HZK<sup>+</sup>05, KTP<sup>+</sup>05b, ZHK<sup>+</sup>05]. **microcosms** [SMH<sup>+</sup>06, TPW<sup>+</sup>16]. **microdistribution** [BLW<sup>+</sup>09]. **microfossils** [HdVGHM02]. **Micronekton** [ATLD<sup>+</sup>20, FKS18, KMK<sup>+</sup>20, BdBJ<sup>+</sup>14, CBJ<sup>+</sup>23, CLB13, DKP<sup>+</sup>17, KFG<sup>+</sup>03, KRS<sup>+</sup>11, LRR<sup>+</sup>04, MBB<sup>+</sup>14, MAR<sup>+</sup>15, PDT11a, PBMM14, WC24, YXC<sup>+</sup>19, vC97]. **Micronektonic** [CRA<sup>+</sup>20, DKGT04]. **micronodules** [Cha03]. **micronutrient** [JMN<sup>+</sup>15, RJM<sup>+</sup>15]. **microorganisms** [DRR17, EPPR09, SB98]. **micropaleontological** [MFN<sup>+</sup>02, SA15a]. **Microphyte** [RGHN<sup>+</sup>97]. **Microplankton** [KNI<sup>+</sup>05, BDNS03, DCM<sup>+</sup>99, DMC<sup>+</sup>01, GGH98, GHIM04, GQ09, HNK<sup>+</sup>12, KWW<sup>+</sup>12, WABW02]. **microprotists** [BTR20]. **Microprotozooplankton** [Kla97]. **microscale** [DPY14]. **microscopic** [ABKL96, BS98, GdRGH<sup>+</sup>14]. **microscopy** [LZS<sup>+</sup>18, RVZ02]. **Microstructure** [CSL<sup>+</sup>22, WZC<sup>+</sup>19]. **microtidal** [ALR<sup>+</sup>14]. **microwave** [HZZ10, MRD13, SL11]. **Microzooplankton** [BEJS93, BES95, CDL<sup>+</sup>00, DSN<sup>+</sup>20, LCK95, PKW07, RPAD99, SSH09, SSR13, SWSL14, SWG14, SFB19, VSSN96, YHK15, YJL16, AYMSAS19, BTUV08, KLD21, LBC<sup>+</sup>98, LGF03, OS02, RRMM05, SRHP23, SF08, SFZ<sup>+</sup>13, TSMS09]. **Mid** [BWH<sup>+</sup>17, SLB13b, AGL<sup>+</sup>19, ARK<sup>+</sup>94, BMH08, BFA<sup>+</sup>08, BSJ13, BR14, CL15, FS07, JB01, JMM<sup>+</sup>13, LDBS<sup>+</sup>17, MLVM02, MMM<sup>+</sup>13, PSK<sup>+</sup>00b, PTS17, RCCP13, SL15b, SPH<sup>+</sup>08, WYOS18, WWN<sup>+</sup>02, YÇYTKB06, dBC<sup>+</sup>09, ABD<sup>+</sup>13, ARB<sup>+</sup>13, ARC02, BJA13, BBR<sup>+</sup>18, CVA<sup>+</sup>13, CZVR02, CSGV13, CSCP13, CLJ<sup>+</sup>13, CLB13, DTB<sup>+</sup>02, DONF08, Dud06, DHST13, EQW<sup>+</sup>13, FVW08, FWS94, FHP94, FCBD08, GGF<sup>+</sup>08, GGDF08, HIK<sup>+</sup>08, HTD13, HSY08, JAP<sup>+</sup>13, KJB<sup>+</sup>08, KPBK08, LAJP13, MCB<sup>+</sup>15, MSW<sup>+</sup>13, MGK<sup>+</sup>17, MBMGK08, MR15, NHS<sup>+</sup>13, OBC<sup>+</sup>14, OGBF08, PPFS17, PBB<sup>+</sup>13, RSW<sup>+</sup>13, RLB18b, SLdB<sup>+</sup>15, SPF<sup>+</sup>94, SBP13, SGB<sup>+</sup>08, SBK08, SHY<sup>+</sup>08, ULH<sup>+</sup>21, VCR02, dLWFB08, YSC<sup>+</sup>20, YSHS08]. **mid-1990s** [AGL<sup>+</sup>19]. **Mid-Atlantic** [BWH<sup>+</sup>17, BSJ13, BR14, RCCP13, ABD<sup>+</sup>13, ARB<sup>+</sup>13, ARC02, BJA13, BBR<sup>+</sup>18, CVA<sup>+</sup>13, CZVR02, CSGV13, CSCP13, CLJ<sup>+</sup>13, CLB13, DTB<sup>+</sup>02, DONF08, Dud06, DHST13, EQW<sup>+</sup>13, FVW08, FWS94, FHP94, FCBD08, GGF<sup>+</sup>08, GGDF08, HIK<sup>+</sup>08, HTD13, HSY08, JAP<sup>+</sup>13, KJB<sup>+</sup>08, KPBK08, LAJP13, MCB<sup>+</sup>15, MSW<sup>+</sup>13, MGK<sup>+</sup>17, MBMGK08, MR15, NHS<sup>+</sup>13, OBC<sup>+</sup>14, OGBF08, PPFS17, PBB<sup>+</sup>13, RSW<sup>+</sup>13, RLB18b, SLdB<sup>+</sup>15, SPF<sup>+</sup>94,

SBP13, SGB<sup>+08</sup>, SBK08, SHY<sup>+08</sup>, VCR02, dLWFB08, YSC<sup>+20</sup>, YSHS08].  
**mid-century** [WYOS18]. **Mid-Indian** [ULH<sup>+21</sup>]. **mid-latitude**  
 [MLVM02, PSK<sup>+00b</sup>, PTS17]. **Mid-North** [SLB13b]. **mid-ocean**  
 [BMH08, BFA<sup>+08</sup>, CL15, MMM<sup>+13</sup>, SL15b, SPH<sup>+08</sup>]. **mid-Pleistocene**  
 [FS07]. **mid-slope** [ARK<sup>+94</sup>, JMM<sup>+13</sup>]. **mid-summer** [dBC<sup>+09</sup>].  
**mid-water** [JB01, LDBS<sup>+17</sup>, YÇYTKB06]. **Middle**  
 [BBB94, Bis94, DOBH02, Cha03, Mas02, MHdS<sup>+11</sup>, MCL<sup>+12</sup>, RFJ10,  
 RSH10, SSHB03, AFB<sup>+94</sup>, ARK<sup>+94</sup>, BA94, CHL<sup>+15</sup>, FPW02, HFP94,  
 KFF<sup>+94</sup>, LSUB94, PMM<sup>+94</sup>, RTFB09, TWL<sup>+15</sup>, Wal94a, Wir94].  
**middle-lower** [RSH10]. **Midwater** [SLB13b, DTWW17, DTWW21].  
**migrant** [AML01, ZD97]. **migrants** [HHH01]. **migrating**  
 [KSU<sup>+08</sup>, KUN10, KIN<sup>+10</sup>]. **Migration** [BE18, TKF07, AFM93, AKK<sup>+17</sup>,  
 ASFI02, BSH<sup>+11</sup>, CP05, FPLB<sup>+08</sup>, GHD<sup>+18</sup>, HA10, KT06, KL03, KMKA20,  
 LS10, LOFC00, MF93a, MKS<sup>+20</sup>, WZZ<sup>+19</sup>, YXC<sup>+19</sup>, ZWQ<sup>+19</sup>, ZD04].  
**migrations** [CFK15]. **Migratory** [BMK05, RSL05, SBG<sup>+06</sup>, YSBH06].  
**Mike** [MLB<sup>+10</sup>]. **Military** [ESW<sup>+16</sup>, Mah16, BSSE16, KSDE16].  
**Millennial** [IKR<sup>+12</sup>, GHM<sup>+12</sup>]. **Millennial-scale** [IKR<sup>+12</sup>]. **millennium**  
 [CLMK13, GBC<sup>+05</sup>]. **Millimeter** [DPY14]. **million**  
 [GNT<sup>+17</sup>, IOTS16, RRL<sup>+14</sup>]. **mimicking** [HCBL<sup>+17</sup>]. **Minas** [Ano97c].  
**Mindanao** [FKH05]. **Mineral** [MBB<sup>+02</sup>, GF07, dJMTGG11]. **mineralising**  
 [HPN<sup>+12</sup>]. **mineralization** [OCL<sup>+08</sup>, PCB<sup>+17</sup>, SHM<sup>+07</sup>, SLZ<sup>+16</sup>].  
**Mineralogical** [ACBV<sup>+18</sup>, LSL<sup>+15</sup>, PBVC<sup>+16</sup>, AST07]. **Mineralogy**  
 [ÇYB<sup>+18</sup>, Rai11]. **minerals** [ALH<sup>+01</sup>]. **Mingulay** [DSE<sup>+14</sup>]. **mini**  
 [SDGH14]. **mini-mounds** [SDGH14]. **minima** [Rog00]. **minimal**  
 [BCH<sup>+19</sup>, SZH20]. **minimise** [PWL07]. **Minimum** [HLL<sup>+09</sup>, BRM18,  
 BRJM18, BLW<sup>+09</sup>, CLH<sup>+00</sup>, CL09, DGN<sup>+17</sup>, EHK09, FSGV<sup>+09</sup>, GMT<sup>+09</sup>,  
 GPC<sup>+04</sup>, GQ09, GBLS00, GW98, KAHS20, LGML00, LWM<sup>+09</sup>, LL00,  
 LAMLB18, MASVB<sup>+19</sup>, MMWM00, MF09, MCS<sup>+99</sup>, MFM<sup>+18</sup>, MMM<sup>+00</sup>,  
 MPB<sup>+18</sup>, NS93, PRC<sup>+09</sup>, PHS17a, QSA<sup>+09</sup>, SWC09, Sei13, SW00, SLH<sup>+00</sup>,  
 SFMG13, TLF97, TTDR13, TS13, UP09, VCSM09, VKGQ<sup>+09</sup>]. **mining**  
 [AS01a, BGOL01, LLC17, OBRJ01, RSS01, SNPS01, TTU01]. **minini**  
 [GC15]. **Minke** [LAP<sup>+17</sup>, LSHB09]. **minor** [CMVS<sup>+10</sup>, LBL08]. **minutum**  
 [AJG<sup>+10</sup>, BFG<sup>+10</sup>, ESAG10, TFR<sup>+10</sup>]. **Miocene**  
 [CHL<sup>+15</sup>, FCC07, LB93, OSHB07, TWL<sup>+15</sup>, VOK<sup>+24</sup>]. **Mir** [Sag18].  
**Mirabilicoxa** [Gol18]. **Mirocaris** [MCB<sup>+15</sup>]. **Mirounga**  
 [GBC<sup>+13</sup>, MdSLH13]. **mismatch** [YERT13]. **missing** [GSB<sup>+23</sup>]. **mission**  
 [STM04a, STM04b]. **missions** [PPF<sup>+15</sup>]. **Mississippi**  
 [GPMS<sup>+16</sup>, SCL<sup>+04</sup>, SW08, SR08b, ULTL16]. **mississippiana** [SR08b].  
**mitigation** [AKZL16]. **mitochondrial** [BLBW<sup>+11</sup>, FB14, MHC<sup>+10</sup>].  
**Mixed** [HS96, AML<sup>+19</sup>, Ano05e, BU05, CMT93, DP02, FGH<sup>+13a</sup>, FC09,  
 GCRW95, GGRW99, HTW14, KN05, LML<sup>+01</sup>, LZZ<sup>+16</sup>, LCR<sup>+96</sup>, MS12,  
 MKS<sup>+02</sup>, NYNK05, NDG96, OSM<sup>+20</sup>, PWMC01, PF06, RFHL99, SFD04,  
 TMH<sup>+08</sup>, TNIW02, VMI<sup>+08</sup>, WNRM08]. **mixed-layer**  
 [BU05, FC09, GCRW95, GGRW99, PF06]. **Mixing**



[HHP04, YXZ<sup>+22</sup>, ASMH08, ASBM02, BLM13, BHC<sup>+01</sup>, BASLK04, BMG<sup>+17</sup>, BVGE<sup>+06</sup>, CSL<sup>+22</sup>, CDJ<sup>+22</sup>, CSW<sup>+17</sup>, CMV<sup>+20</sup>, CSP05, CMB02, DPLB94, DKI<sup>+00</sup>, DL01, GDL22, HCJ<sup>+22</sup>, HLL<sup>+10</sup>, HHH<sup>+14</sup>, HKSV11, HCG<sup>+01</sup>, Ive04, JR15, KWF<sup>+19</sup>, KS10, Lar04, LML<sup>+01</sup>, LH06, LYL22, MLP<sup>+10</sup>, MD06, MML06, MS06b, MDH16, MT96, MPH02, NSY04, PFDG08, QW15, RI05, SEN<sup>+95</sup>, SKGD14, SBK<sup>+16</sup>, SSC<sup>+23</sup>, SWLW11, SD22, SESS08, SRS11, TCM<sup>+22</sup>, TS93, Thu06, Wal94a, WDFK<sup>+22</sup>, WPD22, WZZ<sup>+23</sup>, WJD<sup>+00a</sup>, WJD<sup>+00b</sup>, YO96, You99, ZLZ<sup>+15</sup>, Ano06e].

**mixotrophic** [DBR22]. **mixotrophy** [SLS11]. **MJO** [HF21]. **Mjølñir** [TGFE02]. **Mn** [Cha03, GOH<sup>+15</sup>, HMW<sup>+15</sup>, NVBJ08]. **mobile** [DLW<sup>+17</sup>, LLD<sup>+17</sup>, LPD<sup>+17</sup>]. **Mobility** [SM01, KFW01]. **MOCNESS** [BDW<sup>+96</sup>, BL06, GWP<sup>+98b</sup>]. **Modal** [Wei15]. **Mode** [AKBD13, AMP<sup>+03</sup>, KD13, MBT97, DKJ13, EGMB13, EMW<sup>+08</sup>, FKH13, GS08, Gre08, JAP<sup>+13</sup>, LMA08, MDM<sup>+13</sup>, TS10, VIY02, MMH<sup>+08</sup>].

**mode-water** [EMW<sup>+08</sup>, GS08, Gre08, LMA08]. **Model** [CDJ<sup>+22</sup>, MSGO18, Osc01, SBHS20, AT10, ALH<sup>+01</sup>, Arm03, Bai09, Bas19, BA10, BWD20, Blu93, BFH<sup>+23</sup>, BCH<sup>+19</sup>, BJP<sup>+22</sup>, CFR<sup>+14</sup>, CA06a, CDP<sup>+02</sup>, CBF01, CWL<sup>+23</sup>, CKY23a, CKY23b, CM03, CMC<sup>+05</sup>, DLR<sup>+01</sup>, DGP20, DRD06, DGR02, DBG<sup>+16</sup>, DP99, DKS03, DK04, DKS11, DGN96, DGR19, DKJ13, DBC<sup>+02</sup>, DKZP16, Eif05, EB01, EOB03, FSL<sup>+01</sup>, FO05, FC01, Fri01, FHW06, FNYK02, GPF16, GSC<sup>+19</sup>, Gre01, GGSC03, GMPS04, HXF<sup>+23</sup>, Har96, Hei02, HSHM02, HHD<sup>+09</sup>, HLC<sup>+16</sup>, HKC<sup>+21</sup>, HMLS<sup>+06</sup>, HKAM12, HCG<sup>+09</sup>, HPH<sup>+16</sup>, HFK<sup>+02</sup>, HKMS03, HA96, IHPA16, JB01, JW05a, JW05b, JCF<sup>+06b</sup>, JDL<sup>+22</sup>, JCD<sup>+03</sup>, JDL<sup>+12</sup>, JAM<sup>+14</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, KG20, KMB11, KKUK10, KHL<sup>+01</sup>, KIY<sup>+05</sup>, Lar04, LHS96, LHX<sup>+22</sup>, LW04, LCL<sup>+10</sup>, LSWM22, LTL<sup>+23</sup>, LFHM97, LDX<sup>+23</sup>, MMXS02, MBd05, MD06, MCSF15, MMTT<sup>+20</sup>, MALT05, MTWC<sup>+15</sup>]. **model** [MNPT06, MDK<sup>+01</sup>, MBC<sup>+09b</sup>, NP03, OFV09, OC00, OBWK01, OGC09, PCDM11, PTS01, PDB<sup>+16</sup>, PHS03, PVT<sup>+21</sup>, Pri06, RPB99, RAC<sup>+20</sup>, RLH<sup>+03</sup>, RSSM19, RDSA<sup>+21</sup>, RSC<sup>+09</sup>, SOW01, Sco05, SF11, SRA<sup>+09</sup>, SHM13, SHA04, ŠH11b, SK02, Spa99, SMA01, SCS<sup>+98</sup>, SMSA05, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, SGB<sup>+02</sup>, SCSMT20, SESS08, Sva96, Thi05, TC06, TBBM03, TLW<sup>+94</sup>, TLMT97, UKM16, VALW23, VSGGPR14, VIY02, WDM<sup>+05</sup>, WCJ<sup>+11</sup>, WLY<sup>+22</sup>, WW04a, WMC06, WBA03, WTSP07, YLU<sup>+14</sup>, YSWJ16, YHL<sup>+12</sup>, ZLOR02, MPL15]. **model-based** [HLC<sup>+16</sup>].

**Model-derived** [Osc01]. **Modeled** [CHH19, DHS<sup>+09</sup>, HGB<sup>+13</sup>, LZZ<sup>+16</sup>]. **Modeling** [Ano06d, BV98, DKSF01, DKdS<sup>+03</sup>, FAS<sup>+03b</sup>, FME<sup>+09</sup>, FC07, GBS<sup>+22</sup>, GC07, HBSL01, HS05a, HBCO01, JRKR19, KFF<sup>+94</sup>, KVS<sup>+09</sup>, KC00, LBB<sup>+06</sup>, MTWH04, NSBL94, PHH<sup>+16</sup>, PFC09, SFW08, TYBY06, TH99, WCD<sup>+09</sup>, WGMC14, Arm06, BKD06, CFZ<sup>+18</sup>, CHPF10, DD06, DJCF09, DWW<sup>+02</sup>, FJF<sup>+11</sup>, GWL<sup>+15</sup>, HTK<sup>+10</sup>, HH03, HLA<sup>+06</sup>, IHSS<sup>+10</sup>, JBS<sup>+13</sup>, KOM17, KWF<sup>+19</sup>, KD01, LWGS00, MHB<sup>+23</sup>, MPF<sup>+17</sup>, MMT08, PPM<sup>+17</sup>, PS23, PMF<sup>+17</sup>, POA<sup>+16</sup>, RD16, SH99a, SH99b, Sch02a, SWO<sup>+01</sup>, SVKT20, SSB<sup>+07</sup>, TVL<sup>+00</sup>, TMGLM19, VALW23, VS99, WL02]. **Modelled**

[MBP09, vWMR<sup>+17</sup>]. **modeller** [YFY<sup>+10</sup>]. **Modelling** [ADBW16, BH19a, BABB08, DVPR06, DFC05, Eck94, EWG94, EPHE18, FBPG18, GASGB<sup>+14</sup>, Jen03, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, LSNH15, LSHB09, PFPJ<sup>+09</sup>, RMBG11, SDCH99, Uml05, WB01, WBA03, AKZL16, Ano05e, AGN<sup>+02</sup>, BDL<sup>+14</sup>, BU05, CVM<sup>+01a</sup>, CVM<sup>+01b</sup>, DBG<sup>+16</sup>, HKR<sup>+01</sup>, JMW<sup>+20</sup>, KYS94, LVP<sup>+17</sup>, MPI07, OM02, SLHS20, SAK05, SHM<sup>+01</sup>, SZB<sup>+19</sup>, YMMC11]. **Models** [EWF<sup>+18</sup>, AGHS04, AMK<sup>+05</sup>, BMG<sup>+04</sup>, BWAS02, COS<sup>+16</sup>, CMAO<sup>+12</sup>, CWEHT22, CNOC13, CM01, DSBS20, DP02, DCL<sup>+21</sup>, GGAMV<sup>+23</sup>, GSGS01, GGC19, HBP<sup>+14</sup>, HIA<sup>+16</sup>, JBB<sup>+13</sup>, KxF22, KYW20, KMD<sup>+11</sup>, LFPC14, LGF03, LWS21, MRSLM<sup>+19</sup>, OAH<sup>+16</sup>, PSZ<sup>+19</sup>, PF06, Pra04, QQJ<sup>+21</sup>, SM12, SNMH18, SVS<sup>+20</sup>, TT17, VTA<sup>+11</sup>, VGD14, WOS12, WYOS18, WBJ<sup>+98</sup>, WWS02, YSC<sup>+20</sup>, ZW23]. **MODerate** [LCW<sup>+07</sup>]. **Modern** [ASBM02, KFTE14, SBH<sup>+02</sup>, BMD<sup>+17</sup>, CBB<sup>+95</sup>, FAS<sup>+03a</sup>, HAF<sup>+15</sup>, LH07, PPM02, YFY<sup>+10</sup>]. **modes** [HLC<sup>+16</sup>, HKC<sup>+21</sup>, Hol06, MV19]. **Modification** [VMB17, SGA<sup>+15</sup>]. **modifications** [WL02]. **Modifying** [DLWW23]. **MODIS** [CWP<sup>+15</sup>, PG18, bsBD<sup>+20</sup>]. **MODIS-Aqua** [CWP<sup>+15</sup>]. **modulated** [WDD<sup>+22</sup>]. **modulates** [ADBU18]. **modulating** [QC10]. **modulation** [FD01, SMPSD04]. **Moire** [Ano06a]. **Molecular** [BBT<sup>+18</sup>, LCL<sup>+22</sup>, RMBW07, SW00, WDG<sup>+02</sup>, ACBV<sup>+18</sup>, ANL13, AKK<sup>+05</sup>, BLS<sup>+97</sup>, BK96b, BGMH01, DLB<sup>+11</sup>, GO10, GLSK<sup>+17</sup>, GHG<sup>+04</sup>, HRS<sup>+23</sup>, LVP15, VPdP06, Vri09, WBCB06, Zül05]. **molecules** [RBS17a]. **mollusc** [Mar13, TMBTS09, VB98]. **Mollusca** [LS18, SI09, LGBC06, SGB14, SBE<sup>+07</sup>, vCO09]. **molluscs** [BCVCHW04, JSSW14, Kam18, KWPB15]. **mollusks** [CC13]. **moment** [WZZ<sup>+23</sup>]. **Momentum** [Pap05a]. **Monitor** [DIM<sup>+12</sup>, PNVJ13]. **monitored** [CFK15, LZS<sup>+18</sup>, MML07]. **Monitoring** [Ano14, CFR<sup>+14</sup>, FCP99, RHK<sup>+11</sup>, BMOW09, DTJ<sup>+14</sup>, GUSB03, GAHD<sup>+17</sup>, KG20, KI18, LBD<sup>+22</sup>, NLDJ14, PSK<sup>+14</sup>, PDB<sup>+16</sup>, PSP<sup>+09</sup>, SS09, SSP<sup>+09</sup>, SD98, SBG<sup>+03</sup>, TZ09, TSSR20, WPW<sup>+14</sup>]. **monothalamous** [GHG<sup>+04</sup>]. **monotypic** [dMGPT<sup>+14</sup>]. **monoxide** [SUL<sup>+06</sup>, SUK<sup>+06</sup>, ZX12]. **Monsoon** [CD99, HDPI99, WJD<sup>+00a</sup>, BSMV03, BEGC04, BC03, BCBF03, BLC<sup>+02</sup>, BGH<sup>+19</sup>, CRP<sup>+05</sup>, CWB02, DG18, EBS99, GKB<sup>+18</sup>, GMMS05, HML99, HZN<sup>+16</sup>, KDG<sup>+97</sup>, LBC<sup>+98</sup>, LG09, LWSZ13, LLH<sup>+15</sup>, MGR<sup>+03a</sup>, MPS<sup>+21</sup>, PPZ93, PJ99, RSR05, RAC<sup>+20</sup>, RIHGS00, SZH<sup>+04</sup>, SGJ<sup>+20</sup>, SP00, SBE<sup>+99</sup>, SBS<sup>+02</sup>, TBEW99, Wei99, WRS99, vC97, BLB<sup>+99</sup>, CDA98, DCM<sup>+99</sup>, GGH98, KRG<sup>+01</sup>, LB98a, MMHB98, MGN99, ML20, RSF<sup>+99</sup>, Sam01, WJD<sup>+00b</sup>, WMM02, WLC99]. **Monsoon-controlled** [HDPI99]. **monsoon-driven** [LG09, LWSZ13]. **Monsoonal** [BDF00, BMC99, SNH<sup>+23</sup>, BN97, BBV00, CB00b, LJBF00, SRP<sup>+98</sup>]. **monsoons** [DHGO23, GGRW98, PWJF20, PFW<sup>+20</sup>, WFR<sup>+02</sup>, DC00, DOB<sup>+01</sup>, LCL<sup>+98</sup>, SOS01]. **Montagnais** [PPM02]. **Monterey** [CCP<sup>+18</sup>, CPC<sup>+03</sup>, HLR<sup>+09</sup>, HAC<sup>+14</sup>, IDSM04, KC00, KD00, OC00, PCT18, PC00, PC18, PLPS98, RDL<sup>+09</sup>, RLP<sup>+98</sup>, RRS<sup>+98</sup>, RSR10, SRC98,

SLP<sup>+09</sup>, SP09, SRA<sup>+09</sup>, WCD<sup>+09</sup>, WDKC00]. **monthly** [CMR<sup>+18</sup>].  
**months** [DI00, FWS94]. **Moored**  
[RdR03, WFR<sup>+02</sup>, WAW05b, CDH<sup>+00</sup>, DSK<sup>+13</sup>, HVBO08, KMD<sup>+99</sup>,  
KMDW01, LWL<sup>+24</sup>, MDH<sup>+98</sup>, NMW<sup>+09</sup>, RCW<sup>+15</sup>, SWLL23, YXC<sup>+19</sup>].  
**mooring** [KWA<sup>+20</sup>, LPM<sup>+19</sup>, MNR<sup>+11</sup>, PWJF20, DZY<sup>+01</sup>]. **Mora**  
[VFFM13]. **mordax** [CDG00, DBC<sup>+19</sup>, NSBL94]. **Morgan** [Cha07].  
**morhua** [BD06, Dri09, IAA96, JGM09, KVS<sup>+09</sup>, RG06a, RG06b, SRFR07].  
**moro** [VFFM13]. **Morocco** [FMH<sup>+02</sup>]. **Morpho** [CDM<sup>+16</sup>, THM<sup>+13</sup>].  
**Morpho-acoustic** [CDM<sup>+16</sup>]. **morpho-tectonic** [THM<sup>+13</sup>].  
**morphogroups** [SSSN19]. **Morphological** [CL06, LG00, LGR<sup>+14</sup>,  
VWTK18, GO10, GHG<sup>+04</sup>, HRS<sup>+23</sup>, KHT<sup>+20</sup>, PPF<sup>+15</sup>]. **morphologically**  
[BDR16]. **Morphologies** [CSG<sup>+15</sup>]. **Morphology**  
[DDB<sup>+17</sup>, FLM10, FSM93, Mar13, BH03, LSA14, Mah16, RBS17a].  
**morphometric** [CRT<sup>+00</sup>]. **mortality** [CD99, CLC<sup>+03</sup>, GKBG17, ZZP04].  
**mosaic** [MCH<sup>+13</sup>, SPS<sup>+09</sup>, TRB<sup>+19</sup>]. **mosaics** [GGP<sup>+14</sup>]. **Mössbauer**  
[LKTS01]. **most** [EFR<sup>+19</sup>]. **motile** [LL14]. **motion** [GP08, HFP94, HBO11].  
**Motivating** [HB19, HBV19, HBVG20]. **moultoni** [BGMH01]. **Mound**  
[LDBvdB17, EFW<sup>+14</sup>, RRL<sup>+14</sup>, TWL<sup>+15</sup>, vdLEM<sup>+14</sup>]. **mound-shaped**  
[TWL<sup>+15</sup>]. **mounds** [Di 10, ESL<sup>+10</sup>, KBFH14, LGR<sup>+14</sup>, SDGH14].  
**Mountain** [Ano97b]. **Mouth** [MWS<sup>+15</sup>, DDB<sup>+17</sup>, YLH<sup>+10</sup>]. **Mouthing**  
[LWB<sup>+07</sup>]. **move** [RHPR15]. **Movement** [SSK<sup>+05</sup>, SSK<sup>+07</sup>, CLC<sup>+20</sup>,  
FM03a, FEB<sup>+13</sup>, LWB<sup>+07</sup>, MA05, SGFP13, WLD<sup>+07</sup>]. **Movements**  
[CFK15, BCE<sup>+07</sup>, BJK<sup>+22</sup>, COQ<sup>+18</sup>, DFMW13, LPL<sup>+20</sup>, RAT<sup>+13</sup>, RSL05,  
WWB04]. **Moving** [MPH<sup>+16</sup>]. **Mozambique**  
[BLM<sup>+14</sup>, BdBJ<sup>+14</sup>, DCN<sup>+02</sup>, HBP<sup>+14</sup>, HRT14, Hug14, JTK<sup>+14</sup>, JAM<sup>+14</sup>,  
LBMvdB14, LDHO<sup>+14</sup>, LMF<sup>+21</sup>, MSRM14, MBT<sup>+14</sup>, MBB<sup>+14</sup>, PBMM14,  
QS04, RdR03, RTM14, SdRvLR03, TBB<sup>+14</sup>, TRM<sup>+14</sup>]. **MPA** [BCG<sup>+22</sup>].  
**mtCOI** [OBPY10]. **mtDNA** [BK96b, EGOO22, EBG<sup>+22</sup>]. **mucronata**  
[Ant10]. **mud** [CSG<sup>+15</sup>, GPBV<sup>+07</sup>, JBD<sup>+09</sup>, NGF09, PPR<sup>+20a</sup>]. **mudwave**  
[AFM93, Led93, MF93a, Wea93, Ell93]. **mudwaves**  
[Blu93, FSM93, FSM93, MF93b]. **Multi** [AML<sup>+19</sup>, BG09b, DGS<sup>+05</sup>, HC15,  
IHPA16, KLK<sup>+15</sup>, ZHX<sup>+16</sup>, CLQ<sup>+18</sup>, CWD<sup>+10</sup>, CLB13, DBG<sup>+16</sup>, DW15b,  
DKC<sup>+17</sup>, DLB<sup>+11</sup>, DBBWH20, HGM<sup>+11</sup>, HIA<sup>+16</sup>, JVDH08, LWL<sup>+24</sup>,  
LWSA08, LSHB09, MDI<sup>+12</sup>, MPL15, MPH<sup>+16</sup>, NHS<sup>+13</sup>, OCT<sup>+19</sup>, PS05,  
RP18, SYS05, SSB<sup>+06</sup>, WHNS04, ZKSS06]. **multi-beam**  
[CWD<sup>+10</sup>, DBBWH20]. **multi-centennial** [MPL15]. **Multi-decadal**  
[DGS<sup>+05</sup>, HC15, HGM<sup>+11</sup>, LWL<sup>+24</sup>]. **multi-decade** [RP18].  
**multi-dimensional** [DW15b]. **Multi-disciplinary** [BG09b].  
**multi-frequency** [CLB13, LWSA08]. **multi-level** [DLB<sup>+11</sup>]. **Multi-model**  
[IHPA16, DBG<sup>+16</sup>]. **multi-nutrient** [SYS05]. **Multi-platform** [AML<sup>+19</sup>].  
**multi-product** [MDI<sup>+12</sup>]. **multi-proxy** [PS05]. **Multi-satellite**  
[KLK<sup>+15</sup>, DKC<sup>+17</sup>]. **multi-scale** [NHS<sup>+13</sup>, SSB<sup>+06</sup>]. **multi-sensor**  
[ZKSS06]. **multi-ship** [WHNS04]. **multi-species**  
[CLQ<sup>+18</sup>, HIA<sup>+16</sup>, LSHB09, MPH<sup>+16</sup>, OCT<sup>+19</sup>]. **Multi-stressors**

[ZH<sup>X</sup>+16]. **multi-year** [JVDH08]. **multibeam** [DDB<sup>+</sup>17, NDE14, PGM<sup>+</sup>15]. **Multidecadal** [HGB<sup>+</sup>13, MKW11]. **Multidisciplinary** [Ano06c, ROBV<sup>+</sup>18, ROB<sup>+</sup>17, RGL06b]. **multinational** [WHNS04]. **multiparameter** [FGH<sup>+</sup>13b]. **multiparametric** [SGP<sup>+</sup>11]. **Multiple** [DCC<sup>+</sup>13, MPC99, RHW04, RDC<sup>+</sup>18a, RDC<sup>+</sup>18b, BF14, GLF<sup>+</sup>03, HV03, KKMSM12, LDHO<sup>+</sup>14, MD17, WYT19]. **multiscale** [WLT20]. **Multiscaling** [SS05a, SS05b]. **multispecies** [UKM16]. **multivariate** [Dan95, HGB<sup>+</sup>13, HLC<sup>+</sup>16, PK03, YBHM05]. **Munida** [CNM17]. **Munidopsis** [CNM17, CRT<sup>+</sup>00]. **Munitions** [BKS<sup>+</sup>16, ESW<sup>+</sup>16, Mah16, SC16, BSE<sup>+</sup>16, BSSE16, EB16, EFR<sup>+</sup>16, GK16, KSDE16, KGB16, TD16]. **Munnogonium** [GM22]. **munnopsid** [MB07a]. **Munnopsidae** [EGMB13, MB07b, MB07a, MGE13, MB15, Mal15, MFB18, MB18, MG22]. **munnopsoid** [RMBW07]. **Munnosurus** [EWP<sup>+</sup>99]. **murre** [WTI<sup>+</sup>20]. **murres** [KIM08, RDBP14, RRK<sup>+</sup>20, TMH<sup>+</sup>08]. **musculus** [BRG17]. **Mussel** [BCB<sup>+</sup>18, BPR<sup>+</sup>10, FR10]. **mussel-** [FR10]. **mussels** [XSL<sup>+</sup>17]. **mustard** [KCTG16]. **mustard-filled** [KCTG16]. **Mycobiota** [BEZ<sup>+</sup>22]. **myctophid** [BOB20, BTR20, KBSS93, KMD<sup>+</sup>11, VVM<sup>+</sup>12]. **Myctophum** [WZC<sup>+</sup>19]. **mykiss** [WWB04]. **Myodocopa** [CB18]. **Myoxocephalus** [GNB<sup>+</sup>17]. **Myrs** [ITK<sup>+</sup>16]. **mysticetus** [OCP18]. **Mytilus** [BCB<sup>+</sup>18, BMB<sup>+</sup>18].

**N** [Ano97b, CJM<sup>+</sup>22, HLF08, MWB<sup>+</sup>09, SW08, WTWC07, AM15, KBR18, MM15, SS13a, UC13, VK04, WST15, AMN<sup>+</sup>02a, ADV<sup>+</sup>01, ARB<sup>+</sup>13, AAB<sup>+</sup>97, Bae11, BSSK<sup>+</sup>08, BZvHH00, BDNS03, BOP95, CKH<sup>+</sup>05, CWB02, CMT93, CCK<sup>+</sup>16, CHG15, CSCP13, CLJ<sup>+</sup>13, CSS<sup>+</sup>02, CM99b, DMJ93, DVPR06, DBMI17, DJR<sup>+</sup>01, FSL<sup>+</sup>01, FUGG<sup>+</sup>09, FDC<sup>+</sup>18, GS06b, HFK<sup>+</sup>02, HM93, HWS<sup>+</sup>13, INTS02, JWS01, JHHK14, KEPZ93, KW00, KTP<sup>+</sup>05b, KHH<sup>+</sup>17, LKC96, LAJP13, LDFS93, LBB11, MBW<sup>+</sup>03, MH93, MHA<sup>+</sup>01, MHF15, MJG<sup>+</sup>13, MSJS08, MGK<sup>+</sup>17, MNPT06, MTMK<sup>+</sup>13, MSNL09, MGC<sup>+</sup>14, MQACB08, MMG98, OLG<sup>+</sup>01, PVK<sup>+</sup>20, PHD<sup>+</sup>18, Pfa93, PDB<sup>+</sup>20, RLP<sup>+</sup>98, ROPB03, RBJW16, RWL<sup>+</sup>93, STN<sup>+</sup>09, SFV<sup>+</sup>98, SLB13a, SHR02, SBN<sup>+</sup>15, SBS<sup>+</sup>02, SZB<sup>+</sup>19, TWN<sup>+</sup>06, TCJ<sup>+</sup>11, TNIW02, WMH<sup>+</sup>07, WWW<sup>+</sup>02, Yu03, ZBvH<sup>+</sup>00, ZHK<sup>+</sup>05, ZSB01]. **N\*** [PDA<sup>+</sup>20]. **N-anomaly** [WTWC07]. **N.** [HTD00, HT01, QW15]. **N.E.** [LK98]. **n.sp** [BBAL<sup>+</sup>20, BG10]. **N.W.** [AMH<sup>+</sup>01]. **N** [?]Morales:2014:EPO,Rau:2003:LND. **N/Si** [CSS<sup>+</sup>02]. **NABE** [GG95]. **Nacella** [GWDP11]. **NAFs** [PSP<sup>+</sup>09]. **Naked** [VB98]. **Namibia** [Grü99, HZS00]. **Namibian** [CCG04]. **nannofossil** [ID19]. **nannoniscid** [BBT<sup>+</sup>18]. **Nannoniscidae** [KBK<sup>+</sup>18]. **nannoplankton** [HPN<sup>+</sup>12, TTA<sup>+</sup>16]. **Nano** [GGH98, CAGL13, DCM<sup>+</sup>99, DMC<sup>+</sup>01, THZ06]. **Nano-** [GGH98, DCM<sup>+</sup>99, DMC<sup>+</sup>01, THZ06]. **nano-plankton** [CAGL13]. **nanoflagellate** [LHZJ13]. **Nanoflagellates** [TB98, LHZ<sup>+</sup>16, LLS<sup>+</sup>19, SIFS10, TR02]. **Nanomia** [RRS<sup>+</sup>98]. **nanomolar** [WR01]. **nanoparticulate** [Rai11]. **nanophytoplankton** [STF09, SF10].

**Nanoplankton** [SLS11, VBC<sup>+</sup>95, DB97a, DO96, LLT<sup>+</sup>00, RNR20].  
**Nanoprotozooplankton** [Bec97]. **nanozooplankton** [GVD<sup>+</sup>97]. **Nansen**  
 [Ano96f, CHL<sup>+</sup>95, RAB<sup>+</sup>17]. **Nantucket** [AGD96]. **narrow**  
 [BCT21, WYL<sup>+</sup>20]. **narrow-band** [BCT21]. **narrow-barred** [WYL<sup>+</sup>20].  
**NASA** [PPF<sup>+</sup>15]. **nascent** [SFV<sup>+</sup>98]. **natal** [SCH<sup>+</sup>19b]. **National**  
 [CGG<sup>+</sup>12, DAN23, HD17]. **national/quasi** [DAN23].  
**national/quasi-national** [DAN23]. **Nations** [PH19]. **Native** [RHD<sup>+</sup>18].  
**Natural** [CHL<sup>+</sup>95, HPK<sup>+</sup>97, PSL07, RVC<sup>+</sup>13b, WBM96, AAG06, AFC<sup>+</sup>17,  
 AGW<sup>+</sup>13, BBM<sup>+</sup>08, BDM<sup>+</sup>03, BSL08a, BQT08, CGSZ13, CDM<sup>+</sup>16,  
 EWBW99, FGH<sup>+</sup>13a, GPMS<sup>+</sup>16, Hei02, LB98b, LXS<sup>+</sup>13, MMT08, MHK<sup>+</sup>03,  
 MSH<sup>+</sup>07, MHP<sup>+</sup>07, MC13, NOFP14, OCL<sup>+</sup>08, OJK<sup>+</sup>10, PKA05, RFB97,  
 SVC<sup>+</sup>08, STJ<sup>+</sup>08, SI09, TVLB08, WPB<sup>+</sup>16, WCSA<sup>+</sup>16, Ano96f]. **Naturally**  
 [HRM<sup>+</sup>18, ACBMQ08, COV<sup>+</sup>08, JBM<sup>+</sup>08, LSS<sup>+</sup>07, MQACB08, SLS<sup>+</sup>07,  
 TDC08]. **Nature** [GPBV<sup>+</sup>07, SJSI00, GMC<sup>+</sup>12, PJLO<sup>+</sup>17, PPL<sup>+</sup>19, TPT05].  
**nature-based** [PJLO<sup>+</sup>17]. **nauplii** [IAA96]. **Navier** [CJ19]. **navigation**  
 [KR11]. **Navy** [WJR<sup>+</sup>16]. **Nazaré**  
 [GdSP11, GSdS<sup>+</sup>14, MPV<sup>+</sup>11, MHdS<sup>+</sup>11, OPV11, vOSG<sup>+</sup>11]. **NC** [SSV02].  
**NCAR** [CCL<sup>+</sup>14, VNBW18]. **NCAR-CCSM4** [VNBW18]. **NCOM**  
 [WJR<sup>+</sup>16]. **Nd** [ATN<sup>+</sup>12, SHWW22, WCL<sup>+</sup>15b]. **NE-Atlantic** [CBW01].  
**Neanthes** [SSAL<sup>+</sup>17]. **Near**  
 [ABS<sup>+</sup>14, BTRL99, CMH<sup>+</sup>20, DIM<sup>+</sup>12, DL01, EBG<sup>+</sup>11, HvH04, LNJ<sup>+</sup>00,  
 LB96, MPMD<sup>+</sup>06, MPV<sup>+</sup>11, SRB<sup>+</sup>11, ZL23, ASBM02, BEC<sup>+</sup>96, BLO04,  
 BvWR<sup>+</sup>20, BSS<sup>+</sup>00, BW99b, BRSB16, CW22, CB09a, CKY23a, CKY23b,  
 CRR01, CDM<sup>+</sup>16, CP02, DURP03, DKP<sup>+</sup>14, DT03, Eif05, EWP<sup>+</sup>99, FG07,  
 GBL<sup>+</sup>08, GSB<sup>+</sup>23, GW98, HMS<sup>+</sup>13, HHH01, IGP<sup>+</sup>06, JW05a, JW05b,  
 KM98, KHL<sup>+</sup>15, KTP<sup>+</sup>05b, LGHD20, LWSZ13, LCE<sup>+</sup>23, LDX<sup>+</sup>23, MDTS08,  
 MS06b, MYL<sup>+</sup>98, MK19, NLHB01, NSMBN08, OM14, PH17, PPB<sup>+</sup>22,  
 PTA<sup>+</sup>99, RPB02, RMB05, SA15a, SHA02, SMS20, SBS<sup>+</sup>02, TRM<sup>+</sup>07,  
 TVLB08, TD16, VPS97, YAS<sup>+</sup>93, YLG<sup>+</sup>18, YSHS08, Zim09]. **Near-bed**  
 [HvH04, Zim09]. **Near-bottom** [ABS<sup>+</sup>14, CMH<sup>+</sup>20, EBG<sup>+</sup>11, LNJ<sup>+</sup>00,  
 MPV<sup>+</sup>11, BRSB16, EWP<sup>+</sup>99, KM98, MDTS08, SHA02, SMS20]. **Near-field**  
 [SRB<sup>+</sup>11]. **Near-inertial** [ZL23, CW22, KHL<sup>+</sup>15, LDX<sup>+</sup>23]. **near-shore**  
 [CB09a, KTP<sup>+</sup>05b]. **Near-surface**  
 [BTRL99, DL01, LB96, MPMD<sup>+</sup>06, BSS<sup>+</sup>00, Eif05, HHH01, JW05a, JW05b,  
 NLHB01, PTA<sup>+</sup>99, RMB05, YAS<sup>+</sup>93]. **near-synoptic** [DT03]. **nearby**  
 [LRL<sup>+</sup>22]. **Nearshore** [VLK06, BWOR22, CTCD05, GKGW22, OSHB07].  
**Nearsurface** [HV98]. **Neastacilla** [GMB18]. **Nebalia** [HRS<sup>+</sup>23].  
**nebulosus** [BBB<sup>+</sup>01]. **need** [MDS<sup>+</sup>16, SZB<sup>+</sup>19]. **needed** [Pri06]. **nekton**  
 [CM00, FVW08, LTW<sup>+</sup>22, SS02, ZWJ<sup>+</sup>19]. **Nematoda**  
 [IBK<sup>+</sup>11, MM15, MFS<sup>+</sup>23]. **Nematode**  
 [CLH<sup>+</sup>00, DCC<sup>+</sup>13, FM13, GK16, HZYZ10, LRN<sup>+</sup>14, LdSN<sup>+</sup>18, PGZ<sup>+</sup>09,  
 SRDV07, SSI19, TMP<sup>+</sup>13, VVV04b, VT01]. **nematodes**  
 [FMZ15, KGB16, MKKF18, VVV04a]. **nemertean** [CAK15]. **Nemerteans**  
 [CP18a, CP18b, CP22, Che13]. **NEMURO** [KKUK10]. **Neocalanus** [Kli09].

**neoteny** [BB04]. **nepheloid** [BSP00, CBCT09, MRRG23, NC97, PHK<sup>+</sup>14].  
**NEPTUNE** [JMM<sup>+</sup>13, RBXM15]. **Nereididae** [SSAL<sup>+</sup>17]. **neritic**  
 [GZZC10, LZC<sup>+</sup>16]. **nested** [HHD<sup>+</sup>09]. **nesting** [EQW<sup>+</sup>13, RDBP14]. **Net**  
 [BDO00, DBN<sup>+</sup>11, IIM02, LR97, MBHB09, MCL<sup>+</sup>12, Ano97c, BBH05,  
 BSS<sup>+</sup>00, BGKB06, BL06, CCW<sup>+</sup>08, CMB12, CJM<sup>+</sup>22, ECS<sup>+</sup>17, GWP<sup>+</sup>98b,  
 HSY08, KGE<sup>+</sup>04, LDHO<sup>+</sup>14, LMM<sup>+</sup>97, MLK<sup>+</sup>12, MLS<sup>+</sup>15, RJB<sup>+</sup>04,  
 RIBW99, SFW08, SRF<sup>+</sup>09a, SSP<sup>+</sup>06, SHC<sup>+</sup>00, TSW<sup>+</sup>09, TGFP02, MPH<sup>+</sup>22].  
**net-collected** [HSY08]. **net-sampling** [GWP<sup>+</sup>98b]. **Netherlands** [VHS97].  
**NetTrap** [PFW<sup>+</sup>09]. **Network** [FH09, Pas18, RDL<sup>+</sup>09, DBL<sup>+</sup>19, JMM<sup>+</sup>13,  
 MXC15, RDC<sup>+</sup>18a, RDC<sup>+</sup>18b, TBSP<sup>+</sup>18, HLR<sup>+</sup>09]. **Network-II** [HLR<sup>+</sup>09].  
**neutrals** [CB09b, OM16, VS10]. **neural** [OM16]. **neuston** [GPCT23].  
**Neutral** [EW99, HHP<sup>+</sup>96, KC03, KMD<sup>+</sup>01]. **neutrally** [Gou05].  
**Newfoundland** [DPK<sup>+</sup>14, DKP<sup>+</sup>14, PDK<sup>+</sup>14, DTJ<sup>+</sup>14, HS07, SRFR07].  
**Newly** [DLG<sup>+</sup>14, GZGH22, LJL<sup>+</sup>12, MCH<sup>+</sup>13, SDGH14]. **newly-formed**  
 [GZGH22]. **newmani** [BGMH01]. **next** [SPW<sup>+</sup>22]. **Nezumia** [FARLR<sup>+</sup>13].  
**Ni** [NOT<sup>+</sup>09, NEN<sup>+</sup>07]. **niche**  
 [BSR<sup>+</sup>18, CDRB16, FJF<sup>+</sup>11, LZM<sup>+</sup>13, NCSO13, PKHH17, WWHT20].  
**niches** [HSZS17]. **nickel** [AV97]. **Nile** [GPBV<sup>+</sup>07]. **Niña**  
 [DABMAMA04, KT02, SVAGRCS04]. **nine** [PKHH17]. **Nineteen** [TTA<sup>+</sup>16].  
**Nineteen-year** [TTA<sup>+</sup>16]. **Ninetyeast** [WJ02]. **Ningaloo** [DCL<sup>+</sup>21]. **Ninh**  
 [NCT13]. **Niño**  
 [HC15, MMH<sup>+</sup>08, BSL<sup>+</sup>96, DABMAMA04, DVCG<sup>+</sup>12, DCL<sup>+</sup>21, DQC95,  
 EDF<sup>+</sup>04, FWG<sup>+</sup>97, HMW00, HCHD09, KF95, KM95, KC00, KC04, MPG<sup>+</sup>97,  
 MGNB96, ÑB04, ONSSVGR04, SVAGRCS04, WPJW96, WZW<sup>+</sup>95, WC02].  
**Niño/Southern** [MMH<sup>+</sup>08]. **niphonius** [LTL<sup>+</sup>23]. **Niskin**  
 [ETP<sup>+</sup>16, LCL<sup>+</sup>09]. **Nitrate** [CC03, KLTS13, RR96, SMB<sup>+</sup>93, WCB98,  
 ARF<sup>+</sup>13, BFT<sup>+</sup>97, CTGD08, CLB96, CHH19, DVS<sup>+</sup>97, DBN<sup>+</sup>11, DSvR<sup>+</sup>18,  
 ESK<sup>+</sup>23, GRSW00, HLNO96, JML08, JCD<sup>+</sup>03, KIIW03, KEPZ93, KNB11,  
 LGF03, MQ01, MBC<sup>+</sup>20, MFM<sup>+</sup>18, OENB01, PC00, RLP<sup>+</sup>98, RT14, RWJ06,  
 RTI<sup>+</sup>16, SVS93, SRF09b, SKMS08, TYBY06]. **Nitrate-based** [CC03].  
**nitrate-reducing** [MFM<sup>+</sup>18]. **nitrate/phosphate** [DVS<sup>+</sup>97]. **Nitric**  
 [LAMLB18]. **Nitrification** [BFT<sup>+</sup>97, SGD14b]. **Nitrite** [DK96, LZB96].  
**Nitrogen**  
 [AF01, CB01, FML<sup>+</sup>93, HMGD17, LGP<sup>+</sup>15, LSS<sup>+</sup>07, MBNB<sup>+</sup>08, MGN99,  
 RI05, Sam01, WAPL95, WO99, AML01, Arm06, BRG<sup>+</sup>19, BLM<sup>+</sup>10, BH19a,  
 BFM<sup>+</sup>14, BCP<sup>+</sup>15, CTGD08, CDP<sup>+</sup>02, ÇYAYT06, CML<sup>+</sup>09, DZBR95,  
 DRH<sup>+</sup>09, DJR<sup>+</sup>01, FGU04, HC01, HWTP07, HWP<sup>+</sup>07, HBCO01, HSM<sup>+</sup>01b,  
 JJVH18, KLL03, KBD<sup>+</sup>01, KCZ<sup>+</sup>19, Kli09, KNC<sup>+</sup>09, Lip01, MFG<sup>+</sup>93,  
 MFG<sup>+</sup>04, MTMK<sup>+</sup>13, MGC<sup>+</sup>14, NMH<sup>+</sup>06, NMS09, OBM<sup>+</sup>93, PWD<sup>+</sup>11,  
 PHD<sup>+</sup>18, PKA05, RLP<sup>+</sup>98, ROPB03, RJWD01, RWR<sup>+</sup>02, RTI<sup>+</sup>16, RCF<sup>+</sup>16,  
 SM00, SFW08, Sot09, SZB<sup>+</sup>19, TLKT00, TDC08, TWPP07, VS99, WPG<sup>+</sup>07,  
 WB01, WWH97, WCY05, WWC<sup>+</sup>99, WYW<sup>+</sup>02, WCWW99, YOI<sup>+</sup>09].  
**nitrogen-oxygen** [BH19a]. **nitrogen-to-phosphorus** [KBD<sup>+</sup>01].  
**nitrogenous** [CBC02, VH99]. **Nitrous**

[BKP<sup>+</sup>19, CFV<sup>+</sup>18, DH97, FUGG<sup>+</sup>09, LL01, WYPY06, JBR<sup>+</sup>18]. **nitzschia** [DRVVS<sup>+</sup>14, FHR<sup>+</sup>14, SZM10]. **No** [KSB<sup>+</sup>03, MSB<sup>+</sup>03, ZSLL15, LAMLB18, MBL<sup>+</sup>15, PHD<sup>+</sup>18]. **NOAA-11** [FCP99]. **Noah** [KND<sup>+</sup>08]. **Nobuo** [YFY<sup>+</sup>10]. **nodosum** [RSdV<sup>+</sup>09]. **nodule** [BGOL01, GBO01, OBRJ01, TTU01]. **nodules** [AS01a, MvSHD01, SSI19]. **noise** [EF98, SLD<sup>+</sup>13, UW99]. **non** [CWSH20, CDJM04, GBJ<sup>+</sup>15, LMLC<sup>+</sup>17, MPG<sup>+</sup>97, MAA<sup>+</sup>04, MAA<sup>+</sup>05, MMSS14, OCG<sup>+</sup>09, PFAZL09, SLS<sup>+</sup>09, SAVP12, SM96a, VPdP06]. **non-algal** [SM96a]. **non-Antarctic** [VPdP06]. **non-aqueous** [SLS<sup>+</sup>09]. **non-aqueous-based** [PFAZL09]. **non-El** [MPG<sup>+</sup>97]. **non-ice** [SAVP12]. **non-stationary** [CWSH20]. **non-symbiont-bearing** [OCG<sup>+</sup>09]. **non-terrestrially** [MMSS14]. **non-tuna** [LMLC<sup>+</sup>17]. **non-uniform** [GBJ<sup>+</sup>15]. **non-upwelling** [CDJM04, MAA<sup>+</sup>04, MAA<sup>+</sup>05]. **nonbreeding** [SBA18]. **Nonhydrostatic** [WZZ<sup>+</sup>23]. **nonlinear** [Bas19]. **nonlocal** [TSWJ12]. **nontoxic** [BKS<sup>+</sup>10]. **Nontronite** [LCK<sup>+</sup>18]. **Nontronite-bearing** [LCK<sup>+</sup>18]. **Nordic** [BAS00, OUJ<sup>+</sup>19, OBKA17]. **Norfolk** [BWH<sup>+</sup>17, WACGH11, ZRC<sup>+</sup>11]. **normal** [DCA<sup>+</sup>98, HMW00]. **normalized** [ZSZ<sup>+</sup>19]. **North** [AAG02, ASBM02, Bat01, BH94, Bla94, BAC<sup>+</sup>15, BSS15, CLT94, CMBPM04, CGPM13, CDL94, DFF02, DCR94, DH93, FS05, FCW<sup>+</sup>15, FDC<sup>+</sup>18, GAC<sup>+</sup>02, GAHD<sup>+</sup>17, GLMB18, HAF<sup>+</sup>15, JLL<sup>+</sup>15, JSBC15, LOA15, LDFS93, LRV<sup>+</sup>02, LLM<sup>+</sup>03, MFG<sup>+</sup>93, MP94, MFE<sup>+</sup>02, NESB<sup>+</sup>15, OL15, RLVF02, RPF01, RBXM15, SFV<sup>+</sup>01, SSUB15, SML15, SBP13, SMGB03, WCH<sup>+</sup>93, ZBC<sup>+</sup>13, AM22a, Ala13, BG08, BW04, Chi96, EHL02, Fir96, FBCN00, HMW<sup>+</sup>15, KL96b, KB95, KMK<sup>+</sup>20, KMKA20, LLD<sup>+</sup>17, LAÁ<sup>+</sup>14, LSA14, MPS<sup>+</sup>21, MDSA19, NLSL09, PLL<sup>+</sup>06, PSK<sup>+</sup>00b, PRMM<sup>+</sup>17, RPA07, RQRVM10, SG99, SBK08, VLK06, VKG93, VPP07, VKM13, WAW<sup>+</sup>05a, ZLOR02, ADS<sup>+</sup>02, ADV<sup>+</sup>01, ATJ05, ACH02, ABKL96, AKBD13, Ano06g, ASN<sup>+</sup>02, AGN<sup>+</sup>02, AMV<sup>+</sup>09, ARF<sup>+</sup>13, AL13, BCI02, BMS<sup>+</sup>18, BHS<sup>+</sup>06, BDW<sup>+</sup>98, BMK05, Bea09, BL98, BMS99, BGWF08, BPB<sup>+</sup>94, BLB<sup>+</sup>02, BLdM<sup>+</sup>02]. **North** [BLG11, BHAL13, BHLS15, BG10, BSW<sup>+</sup>13, BLS<sup>+</sup>08, BJ15, BTS<sup>+</sup>08, ÇYB<sup>+</sup>18, CHN<sup>+</sup>10, CTGD08, CAGL13, CB18, COJ<sup>+</sup>09, CMAO<sup>+</sup>12, CMT93, CSH<sup>+</sup>13, CPH01, CNM17, CWdE99, DMJ93, DDN<sup>+</sup>04, DKT<sup>+</sup>01, DSK<sup>+</sup>13, DPLB94, DJS<sup>+</sup>08, DB16, DFA<sup>+</sup>20, DCK01, DRS10, DKJ13, Dri09, DSW20, DKQ<sup>+</sup>93, DFMG01, FMZ15, FBS94, FSL<sup>+</sup>01, FD01, FS02, FKH13, Fre13, GOD<sup>+</sup>01, GWR93, GG93, GPÇ18, GdRGLS04, GHM02, HdVGHM02, Ham07, HTTS12, HSS<sup>+</sup>12, HWM02, HHH<sup>+</sup>93, HAH<sup>+</sup>01, Har94, HTK<sup>+</sup>10, Hat02a, Hat02b, HH93, HK01, HK07, HYK<sup>+</sup>02, HFK<sup>+</sup>02, HS93, HIN<sup>+</sup>02, HM93, HLL<sup>+</sup>09, HWJ20, HD02, INTS02, IBB<sup>+</sup>02, JZ93, JWS01, JPM99, KBL01, KH02, KKH<sup>+</sup>02, KSBK01, KD13, KT06, KY17, KLM<sup>+</sup>02, KEPZ93, KD01, KST<sup>+</sup>99, KFS<sup>+</sup>10, KMS<sup>+</sup>02, KKNH02, LPD<sup>+</sup>17, LBV<sup>+</sup>08, LBL08, LPA<sup>+</sup>17, LML<sup>+</sup>01, LMG93, LDHI93, LH01, LH08]. **North** [LKL<sup>+</sup>13, LWC05, LS18, LL13, LTS<sup>+</sup>13, LSC02, LN01, LLM<sup>+</sup>02, LGB13, MTGY05, MR01, MPL15, MA05, MLG<sup>+</sup>02, MKD<sup>+</sup>20, MTT<sup>+</sup>12, MNB02,

MM15, MYE<sup>+02</sup>, MRD13, MMD15, MWB<sup>+09</sup>, MST<sup>+14</sup>, MHM<sup>+14</sup>, MKS<sup>+02</sup>, NHS<sup>+09</sup>, NOT<sup>+09</sup>, NMK<sup>+20</sup>, OHK<sup>+02</sup>, ONRW10, OYK15, OKY<sup>+17</sup>, OBWK01, OTH05, PBFS06, PK08, PKR<sup>+01</sup>, PDA<sup>+17</sup>, PWB<sup>+06</sup>, PB08, PPM02, PDY20, RAC<sup>+20</sup>, RLD<sup>+15</sup>, RWR<sup>+02</sup>, RvAH10, RR10, ROL<sup>+15</sup>, RKHK<sup>+11</sup>, RH94, RSB<sup>+15</sup>, RFF<sup>+02</sup>, RDFS WV99, RWL<sup>+93</sup>, RCM<sup>+17</sup>, RSP<sup>+98</sup>, SBCH02, SSH<sup>+02</sup>, SL94, SW09, SH00, SAA<sup>+17</sup>, SWB<sup>+09</sup>, SBBP<sup>+15</sup>, SRDV07, SNIT02, SRBR05, SVS93, SLB13a, SGL99, SS99a, Ste04, SCWK08, SMGB02, SKKM20, SB98, SLB13b, SBG<sup>+06</sup>, SS13b, TTLP06, TBA<sup>+02</sup>, TRB98, TCJ<sup>+11</sup>, TdFAL19, TS10, TMP<sup>+13</sup>, TGFP02, TBB<sup>+08</sup>, TLP<sup>+19</sup>, TNIW02, TRM<sup>+15</sup>, VKG93, VALM17, VSS<sup>+93</sup>, VCRDF99, WLM23, WB01, WR09]. **North** [WABW02, WBBM01, WBML06, WTZ02, WSB08, WYW<sup>+02</sup>, WWN<sup>+02</sup>, WWW<sup>+02</sup>, WSP19, WR15, WSLC15, YWI<sup>+02</sup>, YK16, YCN<sup>+10</sup>, YWW23, YQMB20, YKO15, You10, ZKSS06, ZNM<sup>+02</sup>, ZPT<sup>+13</sup>, ZFA<sup>+02</sup>]. **North-Anatolian** [GPÇ18]. **North-Atlantic** [LPD<sup>+17</sup>]. **north-central** [MPS<sup>+21</sup>, RQRVM10]. **North-East** [GAHD<sup>+17</sup>, ZBC<sup>+13</sup>, BW04, EHL02, HLL<sup>+09</sup>, RCM<sup>+17</sup>]. **north-eastern** [LAÁ<sup>+14</sup>]. **north-south** [VKG93]. **north-west** [KB95, SG99]. **north-western** [Ala13, BG08, LLD<sup>+17</sup>, LSA14, CB18, FMZ15, LPA<sup>+17</sup>, MM15, TMP<sup>+13</sup>]. **Northeast** [CD99, DLR<sup>+01</sup>, DCM<sup>+99</sup>, DOB<sup>+01</sup>, EAF<sup>+17</sup>, LCL<sup>+98</sup>, MTB09, NHH<sup>+13</sup>, PGPI<sup>+13</sup>, RRL<sup>+14</sup>, SOS01, WJD<sup>+00a</sup>, WLC99, Ake19, BLSW05, BB09, BCS99, BTRL99, BT15, CMB99, DP99, GRWW01, GMMS05, HCHD09, HDW<sup>+20</sup>, JPSB93, KPML20, LGHD20, LNJ<sup>+00</sup>, LSdC<sup>+10</sup>, MC05, MH93, MLP<sup>+10</sup>, MD14, MRMP09, PPA10, PLS<sup>+10</sup>, PHS17a, PP93, PFC19, PSE<sup>+93</sup>, PDB<sup>+20</sup>, RSR05, RMG<sup>+23</sup>, SLDL93, SGJ<sup>+20</sup>, VS99, WH01a, Wei99, WR01, WCWW99, AGL<sup>+19</sup>, BMP<sup>+09</sup>, BDL<sup>+14</sup>, BT04, BOH<sup>+04</sup>, CMW<sup>+05</sup>, CMH<sup>+20</sup>, DGR19, GDA<sup>+15</sup>, KRF01, KRG<sup>+01</sup>, LSM<sup>+06b</sup>, MGN99, MDG13, MG13, MLS<sup>+06</sup>, OUJ<sup>+19</sup>, SA14, SMH<sup>+06</sup>, SCD14, SDB<sup>+18</sup>, SFG98, SMB<sup>+98</sup>, SHM<sup>+20</sup>, VCO<sup>+15</sup>, VSFF09, WJD<sup>+00b</sup>, WMM02]. **Northeastern** [GWL<sup>+15</sup>, ACQ<sup>+08</sup>, BGIJ<sup>+06</sup>, BMGF93, BF14, BGH<sup>+19</sup>, BEJS93, CAJE15, DKT<sup>+01</sup>, DFA<sup>+20</sup>, DGT14, EWP<sup>+99</sup>, FHT<sup>+14</sup>, FTT<sup>+17</sup>, GSW99, GCI<sup>+01</sup>, GNB<sup>+17</sup>, HdMR<sup>+99</sup>, HNRGL06, JLK03, KLČ<sup>+19</sup>, LRDS18, MBHB09, MSM10, PUP<sup>+07</sup>, PVK<sup>+20</sup>, RH99, RKTG14, SGD14b, TTCD14, VH99, WBA<sup>+17</sup>, WFW<sup>+17</sup>, WOU06, YCD<sup>+06</sup>, YBC<sup>+17</sup>, ZLZ<sup>+15</sup>, BFS<sup>+17</sup>, CPH01, DL01, ZBvH<sup>+00</sup>]. **No}rthern** [WPL<sup>+15</sup>, Won15, WKLM15, Ano05c, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, NBBBT13, dCHdOF<sup>+18</sup>, AML<sup>+19</sup>, ALHP18, AST<sup>+05</sup>, AVS<sup>+20</sup>, AHV<sup>+17</sup>, ASN<sup>+02</sup>, ABC<sup>+05</sup>, AGAB19, AKI<sup>+16</sup>, BFD<sup>+23</sup>, BKP<sup>+19</sup>, BPC05, BMS99, BSSK<sup>+08</sup>, BFB<sup>+18</sup>, BAF<sup>+18</sup>, BPR<sup>+10</sup>, BMT20, BTLC98, CRJ<sup>+08</sup>, CA06a, CDG00, lLCCC07, CG07, CSG<sup>+15</sup>, CLSS15, COJ<sup>+09</sup>, CSL<sup>+07</sup>, CM00, CMW<sup>+08</sup>, CMC<sup>+05</sup>, CJF<sup>+12</sup>, CSG<sup>+13</sup>, CGG<sup>+19</sup>, CP05, CBK<sup>+07</sup>, CHH19, CBK<sup>+22</sup>, DW15a, DEL<sup>+17</sup>, DHM<sup>+22</sup>, DNH<sup>+02</sup>, DC08, EQW<sup>+13</sup>, EHK09, EPPR09, FMC<sup>+20</sup>, FJR<sup>+20</sup>, FR10,



FC15, FCG18, FK98, FKS18, FS02, FAMY20, GMT<sup>+</sup>09, GPMZ<sup>+</sup>10, GGH98, GMD07, GPF16, GGDF08, GGC19, GQ09, HDK08, HdVGHM02, HTTS12, HT17, HCZ<sup>+</sup>07, Hat02a, Hat02b, HBC<sup>+</sup>23, HCG<sup>+</sup>09, HH20, HK07, HLS<sup>+</sup>02, HK08, HSY08, HFL<sup>+</sup>15, HZ19, HHX<sup>+</sup>10, JRKR19, JWO<sup>+</sup>09, JBC<sup>+</sup>21, Jen03, JBS<sup>+</sup>98, KAI21, KJL<sup>+</sup>17, KLTS13, KLY<sup>+</sup>15, KAM<sup>+</sup>20, KY17]. **northern** [Kli09, KLD21, KVL<sup>+</sup>19, LSC05, LLR<sup>+</sup>06, LJL<sup>+</sup>17, LBM09, LDGH16, LKH<sup>+</sup>07, LLG<sup>+</sup>16, LBM<sup>+</sup>20, MSH10, MMY<sup>+</sup>20, MSRM14, MMS<sup>+</sup>16, MTK<sup>+</sup>18, MBW<sup>+</sup>08, MF09, MSK<sup>+</sup>19, MCS<sup>+</sup>09, MHG<sup>+</sup>17, NSKG96, NDE14, NHD11, NVBJ08, NHS<sup>+</sup>13, NCE<sup>+</sup>23, NSWY20, NYH<sup>+</sup>20, NSBL94, NBCT13, OCT<sup>+</sup>19, OGBF08, PW15, PBS06, PNLFS02, PNLFS03, PG18, PK03, PKZ93, PZP93, PDC<sup>+</sup>21, RHD<sup>+</sup>11, RSR05, RCW<sup>+</sup>15, RSL05, RMB05, RB06, RRWR08, RWRS08, RFJ10, RSH10, Roy05, RBS<sup>+</sup>17b, SMA<sup>+</sup>17, SCL<sup>+</sup>04, Sam01, SMR<sup>+</sup>06, SBM<sup>+</sup>18, SMB02, SNIT02, SRBR05, SZH20, SMB<sup>+</sup>17, SPEPS18, SBB06, SR08b, SCB<sup>+</sup>16, SFK<sup>+</sup>12, SBC<sup>+</sup>16, SBB<sup>+</sup>19, SMGB02, SMGB03, SHY<sup>+</sup>08, SNW08, SCSMT20, SB05, SESS08, SZB<sup>+</sup>19, TOSH08, TLR<sup>+</sup>00, TTD13, TAB<sup>+</sup>05, UKJ<sup>+</sup>20, UC13, VLK06, VSM17, VHT<sup>+</sup>20, WRZ<sup>+</sup>19, WZZ<sup>+</sup>19, WCB08, WAK<sup>+</sup>12, WABW02, WC01b, WC07b, XZM<sup>+</sup>23, YXC<sup>+</sup>19]. **northern** [YZZ<sup>+</sup>19, YSC<sup>+</sup>20, YKY<sup>+</sup>07, YLK<sup>+</sup>15, ZNM<sup>+</sup>02, ZZY<sup>+</sup>19, ZLW<sup>+</sup>19, ZWQ<sup>+</sup>19, ZSZ<sup>+</sup>19, ZTZB09, ZTZ09, vCO09, BSMV03, BMHR08, BMOW09, BCB<sup>+</sup>18, BHSJ16, BLSS10, CBV<sup>+</sup>16, Dau18, DTWF17, DDL06, DBC<sup>+</sup>19, FS05, GHGMI05, GCCG13, GBP00, GW15, HCAK17, HPY<sup>+</sup>15, HWS<sup>+</sup>07, HWC07, ITMG18, KMMS18, KFH01, KCL20, KRG<sup>+</sup>01, LMM<sup>+</sup>17, LGK15, LAGK<sup>+</sup>18, LCT<sup>+</sup>07a, LRM<sup>+</sup>02, LSL<sup>+</sup>15, MSD<sup>+</sup>18, MB08, MdSLH13, OMAA18, PWTH15, PRDF08, PRP15, PdBK<sup>+</sup>03, RRMM05, RBP<sup>+</sup>05, SC10, SGW<sup>+</sup>15, SSR<sup>+</sup>14, SAB<sup>+</sup>07, VLR<sup>+</sup>02, WC01a, WWcW<sup>+</sup>15, XGL15, YK16]. **northward** [AKK<sup>+</sup>17, SYT<sup>+</sup>10]. **northward-propagating** [SYT<sup>+</sup>10]. **Northwest** [AP22, Bau02, BDWG02, CFK15, CHV09, HF21, KCM<sup>+</sup>14, LBV<sup>+</sup>08, LGP<sup>+</sup>03, LLLP<sup>+</sup>03, OKH<sup>+</sup>22, REWH11, SA18, SLH<sup>+</sup>00, SSI<sup>+</sup>09, SCM<sup>+</sup>09, TSMS09, BSCE15, BEM<sup>+</sup>15, BOJ<sup>+</sup>10, CAMA<sup>+</sup>02, DVS<sup>+</sup>14, DJ15, LTF<sup>+</sup>19, MHK<sup>+</sup>03, SM15, SJST13, TGLN93, WSM<sup>+</sup>22]. **Northwestern** [FHR<sup>+</sup>14, AYMSAS19, AKK<sup>+</sup>17, Avr02, AAL<sup>+</sup>17, BZ20, BCM02, BBV00, BMO93, BLOM93, CB97, CSL<sup>+</sup>22, CDS96, CC13, CHT<sup>+</sup>13, CMA<sup>+</sup>09, CMK<sup>+</sup>18, CMC<sup>+</sup>02, DGR19, Duc93, EMW<sup>+</sup>08, FML<sup>+</sup>93, GGTMG<sup>+</sup>10, GGRJD<sup>+</sup>10, GG02, GCN<sup>+</sup>97, HIN<sup>+</sup>02, HSD04, KWN<sup>+</sup>09, KMA<sup>+</sup>18, KBV<sup>+</sup>97, KMS<sup>+</sup>02, KKNH02, LPW<sup>+</sup>09, MC02, MGMP02, MSM<sup>+</sup>02, MPHf02, MKS<sup>+</sup>02, NSY04, OTOH05, OTH05, OBM<sup>+</sup>93, PHOM09, PLdL97, SHA02, TLMT97, WXL<sup>+</sup>23, WO99, WST15, Wei99, YCN<sup>+</sup>10, ZKSS06, Zon97, ZEGB97, Ang10, BFDB17, SA15a, TSB<sup>+</sup>14, ZSLL15]. **Norway** [SSR<sup>+</sup>14]. **Norwegian** [Mun16, PTP09, RPB99, ST07, AMTE09, BM07, BMK09, KBFH14, LD07, Mun14, PTS01, Pro09, VSFF09, YD09, ZTZB09, ZTZ09]. **nose** [PSE<sup>+</sup>93]. **NoSoCS** [WPL<sup>+</sup>15, Won15, WKLM15, PWTH15]. **note** [Ano03a, Ano03b, Bol08, KWF<sup>+</sup>19, LSC05, PBG07, PB08, PSY13]. **Notes**

[Dau18, HC13, AM22b, CRT<sup>+00</sup>, DDAH<sup>+14</sup>, PP13, UFAK06]. **Notolepis** [RDW<sup>+22</sup>]. **Notopoma** [BVL04]. **notorcadensis** [CL06]. **notothenioid** [VPdP06]. **nov** [AM18, AM22a, BCNS15, CAK15, CP18a, GMB18, Gol18, GBBS00, MB07a, MGE13, MB18, QRE<sup>+17</sup>, SM15, Ste13, SC15, VWTK18].

**Nova**  
[Ano14, SSG14, DPK<sup>+14</sup>, DKP<sup>+14</sup>, DTJ<sup>+14</sup>, NLDJ14, PDK<sup>+14</sup>, WPW<sup>+14</sup>].

**novaeangliae** [BJK<sup>+22</sup>]. **Novaya** [SEN<sup>+95</sup>]. **Novel**  
[PFdSG11, BCN<sup>+17</sup>, SLS<sup>+07</sup>]. **November**  
[Ano19l, Ano99k, Ano21l, Ano22u, CCM15, KDG<sup>+97</sup>, SCC98, ZHB<sup>+07</sup>].

**nowcast** [CWL<sup>+23</sup>]. **nowcast/forecast** [CWL<sup>+23</sup>]. **NPZ** [HCG<sup>+09</sup>].

**NPZD** [DGR19]. **nucleotide** [BLBW<sup>+11</sup>, XSL<sup>+17</sup>]. **Nuculidae** [SW09].

**nudibranch** [VB98]. **number** [Gre08, SSM09]. **Numerical**  
[CA06a, HFKY05, JMW<sup>+20</sup>, LWGS00, MPI07, SHM<sup>+01</sup>, WL02, AS02b, Bas19, BKM07, BU05, CBF01, DGR19, EO02, FC01, GOC09, GMPS04, HKR<sup>+01</sup>, HBP<sup>+14</sup>, KB99, LFPC14, LCT<sup>+07b</sup>, LCL<sup>+10</sup>, LDX<sup>+23</sup>, MH93, MGMP02, MDM<sup>+13</sup>, MBS05, NYNK05, RSS01, SAK05, SESS08, STS<sup>+15</sup>, WDM<sup>+05</sup>, WSM<sup>+22</sup>, ZG15].

**nursery**  
[GSC<sup>+19</sup>, HSC<sup>+19</sup>, KHT<sup>+20</sup>, SCH<sup>+19b</sup>, SCH<sup>+19a</sup>, WCS07].

**Nutrient**  
[CRDP02, CK10, DVS<sup>+97</sup>, DCK01, DWHM06, FLMF07, HVWH09, JLR<sup>+13</sup>, KWH<sup>+05</sup>, KD00, LMA08, LH08, LLK05, MJW<sup>+06</sup>, RBN<sup>+08</sup>, STK02, STN<sup>+06</sup>, SDLZ13, SKF<sup>+10</sup>, SSH<sup>+00</sup>, WTWC07, WR01, dBC<sup>+09</sup>, ATS<sup>+96</sup>, Ark13, Ber07, BMRP02, CBV<sup>+16</sup>, DLL<sup>+15</sup>, ERR97, GG95, GGT<sup>+02</sup>, HHH<sup>+14</sup>, HDD<sup>+11</sup>, HS98, HZS00, HHD<sup>+09</sup>, KSBK01, KCY<sup>+16</sup>, KLKB95, LML<sup>+01</sup>, LRM07, MPE<sup>+09</sup>, MR01, MDGF01, MCG<sup>+98</sup>, OT03, Qué13, RBA<sup>+01</sup>, RBS<sup>+17b</sup>, SMV<sup>+03</sup>, SMZ<sup>+08</sup>, SMS<sup>+07</sup>, SYS05, SHH03, SBC17, SKGD14, SF08, TVL<sup>+00</sup>, TDC08, TRB<sup>+19</sup>, WCH05, WJD<sup>+00a</sup>, WJD<sup>+00b</sup>, WWN<sup>+02</sup>, WPL<sup>+15</sup>, WRS99, WSB<sup>+09</sup>, ZAC<sup>+15</sup>, vGTG<sup>+00</sup>].

**nutrient-limitation** [MDGF01]. **Nutrient-phytoplankton** [RBN<sup>+08</sup>].

**nutrient-rich** [GGT<sup>+02</sup>]. **Nutrients**  
[BJB<sup>+06</sup>, ESK<sup>+23</sup>, KTP<sup>+20a</sup>, SF04, TMTR14, WWH97, AKH<sup>+02</sup>, Ano95b, Car07, CWS05, CPEN08, DWW<sup>+02</sup>, EWBW99, FJG<sup>+00</sup>, Fon96, GSK02, HdBB<sup>+02</sup>, HLM<sup>+01</sup>, KMT20, KC03, KN05, LN01, MY99, MLP<sup>+10</sup>, MCPA02, MSS<sup>+02</sup>, MLS<sup>+15</sup>, NKF<sup>+10</sup>, NMK<sup>+20</sup>, PFC19, PDE<sup>+16</sup>, QW15, SMY<sup>+98</sup>, SZG<sup>+13</sup>, SDKH03, SSP<sup>+06</sup>, SPD<sup>+11</sup>, SGD<sup>+03</sup>, TT01, TNIW02, WPW95, WLD<sup>+06</sup>, WWN<sup>+02</sup>, YKS<sup>+19</sup>, ZHD<sup>+08</sup>].

**nutrition**  
[CBC02, HWTP07, VH99]. **nutritional** [JH04, MBB<sup>+02</sup>]. **NW**  
[BFG<sup>+10</sup>, NKB<sup>+18</sup>, SAKP<sup>+22</sup>, SKS<sup>+23</sup>, ZB00, AFC<sup>+17</sup>, BFM<sup>+14</sup>, BGG<sup>+09</sup>, BFF<sup>+10</sup>, CMB02, DFJ18, EBB<sup>+08</sup>, FARLR<sup>+13</sup>, FB15, FEB<sup>+15</sup>, GLCU<sup>+17</sup>, GBSL98, HLM<sup>+01</sup>, IHSS<sup>+10</sup>, KNN<sup>+06</sup>, LG00, LGML00, Mar18, NFD<sup>+02</sup>, PSAY20, PLS<sup>+03</sup>, SGM<sup>+02</sup>, TGRB02, TR02, VAM97, VSC<sup>+11</sup>, WGW<sup>+19</sup>, vWDB<sup>+01</sup>].

**Nyctiphanes** [GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>]. **Nymphon**  
[ASMM11]. **Nymphonidae** [ASMM11].

**O** [dLWFB08, BDO00, CMB02, CMVS<sup>+10</sup>, CJM<sup>+22</sup>, DHW98, ECD<sup>+17</sup>,

LLB<sup>+00</sup>, MBW<sup>+08</sup>, RBJW16, RWL<sup>+93</sup>, SZB<sup>+19</sup>, TLP<sup>+12</sup>]. **O'ahu** [TD16, Chi96, Fir96, KCTG16, KL96b]. **oasis** [RBN<sup>+08</sup>, CW09, JOD98]. **Obituary** [Ano18l, BCD<sup>+09</sup>]. **object** [MBd05]. **object-oriented** [MBd05]. **Objective** [BS05, BS06]. **oblique** [WCK<sup>+18</sup>]. **Observation** [GMCR18, HMSMK04, PLHMA06, TGK<sup>+11</sup>, VHT<sup>+20</sup>, Fed13, FKH13, LAÁ<sup>+14</sup>, MGN<sup>+18</sup>, SZB<sup>+19</sup>, WCL<sup>+15a</sup>, YLH<sup>+10</sup>, vHHH<sup>+11</sup>, BHHM<sup>+12</sup>]. **observational** [IMG<sup>+19</sup>, MLW<sup>+01</sup>]. **Observations** [ACD<sup>+17</sup>, Ano05e, BKD06, BIH10, BVGE<sup>+06</sup>, BRSB16, BU05, CM00, CWS<sup>+23</sup>, CSG<sup>+13</sup>, DCC<sup>+17</sup>, DSvR<sup>+18</sup>, Ham07, JCP05, LCT<sup>+07b</sup>, MW05a, NGS<sup>+20</sup>, OM14, PWTH15, PNLFS02, PNLF02, PNLFS03, PF06, PR05, RR10, SGA<sup>+15</sup>, SAK05, SVKT20, TGU<sup>+06</sup>, vAvVV<sup>+03</sup>, AML<sup>+19</sup>, ABKL96, AKM<sup>+05</sup>, AAB<sup>+97</sup>, Bae11, BES11, BEGC04, BMG<sup>+04</sup>, BMM<sup>+99</sup>, BHAL13, BR14, BMSBM<sup>+17</sup>, CSL<sup>+22</sup>, CRP<sup>+05</sup>, CCL<sup>+14</sup>, COJ<sup>+09</sup>, CBC02, CDH<sup>+00</sup>, CRMI18, CLJ<sup>+13</sup>, CWD<sup>+10</sup>, CHH19, CAGLV<sup>+06</sup>, CJM<sup>+22</sup>, DFMW13, DNR20, DNK<sup>+08</sup>, DBC<sup>+19</sup>, FVSRR14, GDE<sup>+96</sup>, GBB<sup>+17</sup>, GSGS01, GSdAMNMM04, HBP<sup>+14</sup>, HM14, HZK<sup>+05</sup>, HZK04, HS05b, HZW<sup>+23</sup>, HSC<sup>+07</sup>, JR15, KWT<sup>+16</sup>, KMG<sup>+20</sup>, LBM10, Lar04, LOB<sup>+09</sup>, LOA13, LW04, LBB11, Mah16, MB96, MCS<sup>+02</sup>, MCS<sup>+03</sup>, MKS<sup>+20</sup>, MDS<sup>+16</sup>, MLW<sup>+16</sup>, MT98, MBS05, MARFP08, MLS<sup>+15</sup>, NKE11, NHH<sup>+13</sup>, NMW<sup>+09</sup>, NKD<sup>+08</sup>, NDE14, OSCS04, OCKA<sup>+11</sup>, PCT18]. **observations** [PBGCD<sup>+13</sup>, PWJF20, PGPP<sup>+13</sup>, PVT<sup>+21</sup>, Pri06, ROB<sup>+17</sup>, RHK<sup>+10</sup>, RLP<sup>+98</sup>, RD16, RdR03, RSSM19, RSRL00, SiSA<sup>+02</sup>, SCM<sup>+08</sup>, SCPC98, ST13, SJM02, STP<sup>+16</sup>, SBC<sup>+16</sup>, SCPP05, TS03, VSV<sup>+97</sup>, VT09, WH01a, Wea93, WBJ<sup>+98</sup>, WFR<sup>+02</sup>, WWS02, YSWJ16, YSHS08]. **observatories** [MK19]. **Observatory** [CGG<sup>+19</sup>, GMCF19, KCO<sup>+19</sup>, SBB<sup>+19</sup>, GMB13, JMM<sup>+13</sup>, LBM10, MK19, RBXM15]. **observe** [UGSK<sup>+20</sup>]. **Observed** [BSL11, CW22, MPS<sup>+21</sup>, SWH08, TTW<sup>+05</sup>, WXL<sup>+23</sup>, AL98, ARLB00, BL96, Fir96, FKH05, GSPT13, GK16, Had11, HGB<sup>+13</sup>, HF21, Jac95a, KMD<sup>+99</sup>, LSM96, MDH<sup>+98</sup>, MSC04, MRD13, Ric05, RHD<sup>+18</sup>, STF09, SRBR05, SEM16, SC16, TRM<sup>+07</sup>, VLK06, VKC09, WRBS10, WP17, YXC<sup>+19</sup>]. **observer** [BLS05]. **observing** [HWP<sup>+11</sup>, KKM<sup>+10</sup>, RAS23]. **obtained** [HIN<sup>+02</sup>, KOR06, PK13]. **OC26** [CDM<sup>+16</sup>]. **occupied** [KFS<sup>+17</sup>]. **Occurrence** [BPM18, MBMGK08, OGJ<sup>+19</sup>, SSJ<sup>+22</sup>, TD16, DBL<sup>+19</sup>, DB02, ESWL20, FDP<sup>+14</sup>, GR10, JR11, KBF<sup>+08</sup>, KDG<sup>+97</sup>, LDGH16, OCP18, PSAY20, SLC<sup>+15</sup>, YLD09, YMC<sup>+22</sup>]. **occurrences** [MSA<sup>+14</sup>, WOM<sup>+16</sup>]. **occurring** [HRM<sup>+18</sup>, ODCP98, PKHH17, TFR<sup>+10</sup>]. **occurs** [BJF16]. **Ocean** [AS01b, Ano96f, Ano05c, Ano06e, Ano07d, BHT22, BTFB12, BvWR<sup>+20</sup>, BL96, BQT08, BHJ99, BL01a, BHHM<sup>+12</sup>, BTUV08, BTS<sup>+08</sup>, CFJL96, CMC<sup>+05</sup>, DRBM97, DD06, FWP<sup>+07</sup>, FH09, GAL<sup>+20</sup>, GSF<sup>+19</sup>, GSF<sup>+20</sup>, GFPM02, HLR<sup>+09</sup>, HRX17, HWCT04, HWCT11, HB19, HBVG20, HBVG22, HHP04, HPM02, HV03, JFM<sup>+17</sup>, KMLC<sup>+04</sup>, KM96, KL96a, KG09, LBR<sup>+11</sup>, LBSB<sup>+17</sup>, LQF<sup>+02</sup>, LSM96, MSF<sup>+22</sup>, MM97, Mit96, MSBS01, OGRdO18, ORFA<sup>+14</sup>, RGTv97, RBG18, RDL<sup>+09</sup>, RHK<sup>+10</sup>, Rog17, SBCH02, STJ<sup>+08</sup>, SH00, SF04, STB<sup>+17</sup>, SSI19, SAM<sup>+00</sup>, SA03, SWLL23,

TRB98, TVLB08, TOP95, Urb20, VTD+20, VOK+24, WREC18, ZBC+13, ZLJ08, ZGGF22, vBBR+08, AGL+19, AHN23, AT10, Ano05d, AAB+97, ALH+01, AS02b, BK99, Bas19, BMK05, BJF16, BNM08, Ber01, BMH08, BFA+08, BPF+03, BKY+17, BMOW09, BLS+03, BLS05, BSN18]. **ocean** [BLH05, BSB+99, BCH+19, BSN+15, BNFS01, BBA+98, BBA+01, BL08, BSRM08, CD95, Car07, CFS+06, CH24, CH07, CLF+09, CFZ+18, CWP+15, CB09a, CWL+23, COJ+09, CL15, CM03, CLMK13, CSP05, CM16a, CWS+23, CMK+18, CCM15, CH19, CRR01, CKH+08, CB09b, DGP20, DDN+04, DKC+17, DMW+07, DGN96, DLF+09b, DTR+09, DGR19, DBL+19, DEK+08, Dud06, DKP+17, DWW+02, Eck94, EOB03, EAB+20, Fed13, FWR+02, FK98, FHvFM08, GEP+16, GGCM17, GSM+20, GGSC03, GHÖ+13, GBJ+15, HBP+14, HCJ+22, HXF+23, Har06, HKSv11, HFD+23, HTA+17, HWK+14, HBR11, HGAB04, HAE+17, HBC+12, HBV19, HCRX16, HDW+20, HWJ20, HBK+98, IATK17, JBOH10, JDL+12, JAM+14, KKMSM12, KB99, KG20, KxF22, KD13, KMMS18, KC04, KCL20, LLD+17, LPD+17, LBM98, LWLS98, LJBF00, LTY+03, LHX+22, LZB96, LW04, LYL22, LSWM22, LBJ+13].

**ocean**

[LKK+95, MAH+12, MAN+20, MRSLM+19, MCSF15, MCS+02, MCS+03, MFH04, MSC04, MM05, MKRY01, McP08, MTT+12, MMH+08, MNR+11, MXC15, MV23, MS12, MNPT06, MW06, MK19, MC13, MPHf02, MRM+12, MMM+13, Mun07, MKW11, MLS+15, NTA+10, NLDJ14, NL11, NDD+14, NTK+09, NBBBT13, OFV09, OPB15, PF02, Pal04, PLRV22, PG07, PTM+16, PCH+22, PGS14, PTA+99, PPR07, PSWF19, RHL+22, RdGM+09, RPB99, RAC+20, RGH+24, RPB02, RLH+03, RBJW16, ROC+21, RAF+11, RLB03, RHI00, RMC+93, RBS+17b, RBH+20, RN06, Sag18, SAA+17, SE96, SSSC19, SF11, STM04a, STM04b, ST13, SL15b, SVS+20, SN04, SLW98, SCB+01, SH10, SDMS06, SWLW11, SD96, SCQ+09, SUL+06, SUK+06, SPH+08, TSS+02, TSW+09, TCM+22, TPW+16, TFP+16, TBB+08, TAB+05, TTL+16, UW99, VAT23, VMGO+09, VRL+02, VHM17]. **ocean** [VIY02, WC06a, WDFK+22, WLY+22, Web19, WW23, WWB04, WFR+02, WPAP01, WF99, WCH05, WMC06, WSB13, WC01b, WYW+02, WTSP07, YK16, YK05, YSMW05, YFY+10, YMMC11, ZKSS06, ZdBB+07, Aar03, AVA23, ABC+04, APB+09, AMvD+12, ARLA03, ACPV04, ABE+11, ACFS02, ADE22, Ang10, AA15, ACSI15, AMP+03, ATLD+20, ACR+20, Ano99a, AJR+15, AKK+17, ATS+96, AHK99, ADAM02, ACBMQ08, AHB+17, ARF+13, BC11, BRG+19, BDB97, BWL01, BPD+11, BCT21, BSK+97, BLBW+11, BCWT00, Bau02, Bea09, BHS+19, Bec97, BSS20, BTR95, BBM+08, BCG04, BFT+97, BDL+14, BO96, BBE+13, BSG+02, BSL08a, BIH10, BCH+11, BBR+18, BSRB17, BTRL99, BNKJ23, BFML+08, BH97, BABB08, BTC13, BMF+01, BHLS15, Boy02, BBBM04, BBB+07, BE09, BEB11, BW14, BWWG98, BBV00, BB04, BCB07, BNFS01, BDNS03, BJ15, BHK+10]. **Ocean** [BOJ+10, BBA+01, BBD+03, BRPH20, BMO93, BEJS93, BLOM93, CAH+09, CSA+09, CSEP+17, CD95, CAS+97, CRDP02, CdST+17, CCBL14, CHG20, CM99a, CMB99, CGM+07, CGSZ13, CAFK03a,

CAFK03b, CWP<sup>+15</sup>, CWWB04, CRA<sup>+20</sup>, CFT<sup>+04</sup>, CMW<sup>+05</sup>, CMT93,  
 COV<sup>+08</sup>, CVM<sup>+01a</sup>, CVM<sup>+01b</sup>, CMR<sup>+18</sup>, CAC<sup>+97</sup>, CHL<sup>+95</sup>, CBB<sup>+00</sup>,  
 CM16b, CHH<sup>+22</sup>, CBMM15, CS20, CLGM05, CNM17, Cra97, CBA<sup>+20</sup>,  
 CAÖT04, CBS11, CSS<sup>+02</sup>, CM99b, CWdE99, CCFL01, CC01, DLHH11,  
 DS21, DBJ97, DKT<sup>+01</sup>, DSN<sup>+10</sup>, DBR22, DVS<sup>+97</sup>, DDS11, DeM02,  
 DSO<sup>+97</sup>, DKN<sup>+97</sup>, DNR20, DP99, DP02, DB97a, DSN<sup>+20</sup>, DFD<sup>+11</sup>, Die07,  
 DMW<sup>+07</sup>, DCK01, DT03, DWJ<sup>+15</sup>, DFJ18, DBL<sup>+19</sup>, DGB<sup>+98</sup>, DB97b,  
 DB02, Duc93, DKQ<sup>+93</sup>, DDB<sup>+97</sup>, DNA97, DSYH09, ETDB11, EHL02,  
 EWP<sup>+99</sup>, ETD<sup>+11</sup>, FdBGP11, FBS94, FLM10, FS05, FML<sup>+93</sup>, FM03b,  
 FSL<sup>+01</sup>, FAS<sup>+03a</sup>, FAS<sup>+03b</sup>, FHR<sup>+14</sup>]. **Ocean**  
 [FM03c, FMO02, FLMF07, FRW00, FS07, FvFC<sup>+11</sup>, FUGG<sup>+09</sup>, FBCN00,  
 FCA04, FCAD04, FKH13, FBCEP01, Fri01, FPGH02, Fro04, FPB04,  
 FSGV<sup>+09</sup>, GFK24, Gai97, GBH<sup>+01</sup>, GSMB01, GRWW01, GMPSHA<sup>+13</sup>,  
 GCS<sup>+12</sup>, GHGMI05, GMM<sup>+20</sup>, GBL<sup>+08</sup>, GAL<sup>+12</sup>, GPCT23, GSW<sup>+09</sup>,  
 GdRGLS04, GCKC07, GVD<sup>+97</sup>, GPB09, GLW<sup>+97</sup>, GNT<sup>+17</sup>, GCB04,  
 GFW07, GPK02, GK02, GMMS05, HS01, HSS<sup>+18</sup>, HHH<sup>+15</sup>, HCL<sup>+22</sup>,  
 HBSL01, HCBP97, HPWP07, HLG<sup>+21</sup>, HNM<sup>+20</sup>, HAH<sup>+01</sup>, HK01, Hei02,  
 HBC<sup>+23</sup>, HZT<sup>+06</sup>, HK07, HA03, HMS<sup>+03</sup>, HWCT04, HS93, HWS<sup>+98b</sup>,  
 HM93, HDCM95, HFM<sup>+00</sup>, HBV19, HWS<sup>+07</sup>, HWL06, HSC<sup>+07</sup>, HPK<sup>+97</sup>,  
 HMA20, HAD19, ISB<sup>+11</sup>, ILWH03, IIM02, IPH<sup>+17</sup>, JLL<sup>+13</sup>, JSWB21,  
 JKB04, JBC<sup>+21</sup>, Jen03, JCD<sup>+03</sup>, JYM<sup>+15</sup>, JFK<sup>+10</sup>, JBVW12, JLJ<sup>+12</sup>,  
 JBM<sup>+08</sup>, JNBJ17, KBLA97, KPML20, KBB07, Kam15, Kam18, KK19,  
 KOO<sup>+24</sup>, KQ02, KSL<sup>+04</sup>, KNV<sup>+10</sup>, KDU<sup>+10</sup>, KCMT<sup>+20</sup>]. **Ocean**  
 [KYI10a, KHC<sup>+09</sup>, KSU<sup>+06</sup>, KLM<sup>+11</sup>, KTSI07, KSU<sup>+08</sup>, KMA<sup>+18</sup>, KD01,  
 KIS02, KBV<sup>+97</sup>, KWW04, KMD<sup>+11</sup>, KNB11, KVL<sup>+19</sup>, KNN<sup>+06</sup>, KL96c,  
 KIY<sup>+05</sup>, KKNH02, LKD<sup>+15</sup>, LVJC17, LB07, LSF<sup>+01</sup>, LRFK99, LBV<sup>+08</sup>,  
 LBL08, LCW20, LHD<sup>+22</sup>, Lar04, LPFS97, LB93, LGP<sup>+03</sup>, LJL<sup>+12</sup>, LKJ<sup>+15</sup>,  
 LGK15, LGO08, LEP14, LSU04, LMvDA16, LDHI93, LW10, LGVK<sup>+14</sup>,  
 LBB<sup>+07</sup>, LRL<sup>+22</sup>, LTW<sup>+22</sup>, LIS<sup>+02</sup>, LZL<sup>+22</sup>, LPMS09, LCWJI<sup>+19</sup>,  
 LBGW97, LL13, LTS<sup>+13</sup>, LMLC<sup>+17</sup>, LN01, LCE<sup>+23</sup>, MQ01, MBHP99,  
 MP99, MB07a, MMXS02, MT15, MFPL19, MAN<sup>+20</sup>, MGT<sup>+20</sup>, MCH<sup>+13</sup>,  
 MPL15, MP17, MLS01, Mas01, MCSF15, MORB<sup>+15</sup>, MTE<sup>+02</sup>, MCS<sup>+02</sup>,  
 MMTT<sup>+20</sup>, MV01, MLR07, MTWC<sup>+15</sup>, MPJ<sup>+13</sup>, MKT<sup>+15</sup>, MV19,  
 MHA<sup>+15</sup>, MMH<sup>+08</sup>, MNR<sup>+11</sup>, MDS<sup>+16</sup>, Met09, MBK97, MWT<sup>+17</sup>,  
 MvSdBL11, MdBL<sup>+11</sup>, MWF<sup>+19</sup>, MBL<sup>+15</sup>, MNV<sup>+20</sup>, MMJ<sup>+03</sup>, MS12,  
 MSS<sup>+02</sup>, MNPT06, MMT08, MHK<sup>+03</sup>, MDGF01, MES97]. **Ocean**  
 [MBT97, MSTT07, MTM<sup>+13</sup>, MC13, MQACB08, MBO07, MLS<sup>+15</sup>,  
 NGS<sup>+15</sup>, NGS<sup>+20</sup>, NG10, NGM<sup>+20</sup>, NP03, NSKG96, NRSL17, NGM<sup>+05</sup>,  
 NDT<sup>+01</sup>, NTF01, NBSF01, NAB<sup>+02</sup>, NSvH<sup>+11</sup>, NMR10, NDD<sup>+14</sup>, NTH10,  
 NW01, NRH<sup>+20</sup>, OFD<sup>+22</sup>, OvDRvA<sup>+22</sup>, OCL<sup>+08</sup>, OKH<sup>+22</sup>, OTOH05,  
 OKY<sup>+17</sup>, OB22a, OB22b, OSCS00, OBWK01, OT12, OBM<sup>+93</sup>, OPB15,  
 ÖCB<sup>+04</sup>, PFP02, Pak04, PF04a, PF04b, PDH<sup>+11</sup>, PCDM11, PSA14,  
 PDA<sup>+20</sup>, PPYN15, PMJW10, PKW07, PMS<sup>+20</sup>, PFdSG11, PJC19, Pee97,  
 PH96, PFC19, PWF03, PPB<sup>+22</sup>, PLL<sup>+06</sup>, PPRHLF02, PMJ20, PSF<sup>+07</sup>,

PLR02, PBD<sup>+02</sup>, PR17, PKZ93, PZP93, PHH<sup>+06</sup>, PDG<sup>+03</sup>, PLS<sup>+03</sup>, PPR<sup>+20b</sup>, PGK15, PDY20, PDB<sup>+20</sup>, PHKW10, QW15, QTPS97, QB02, Qué13, RHL<sup>+22</sup>, RDP<sup>+02</sup>, Rai11, RJM<sup>+15</sup>, RDW<sup>+22</sup>, RBMY02, RGW04, RAS23, RMBW07, RGH<sup>+24</sup>, RP17, RWJ06, RHB<sup>+04</sup>, RR10, ROL<sup>+15</sup>, RGHN<sup>+97</sup>, RGS<sup>+97</sup>, RHPC<sup>+19</sup>, RDFS WV99]. **Ocean** [RTM<sup>+20</sup>, RW95, RMPI<sup>+17</sup>, Rod13, RL97, RAB<sup>+17</sup>, RMG<sup>+23</sup>, RKS<sup>+95</sup>, SGA<sup>+15</sup>, SLC<sup>+20</sup>, SAKP<sup>+22</sup>, STK02, SLS<sup>+07</sup>, SHI06, SPSM23, SG99, SMCA01, SVD97, SH11a, Sch02a, SSLP95, SE07, SM15, SRW<sup>+10</sup>, SBQ<sup>+02</sup>, SFR<sup>+06</sup>, SRF<sup>+09a</sup>, SF11, SSH<sup>+11</sup>, SSF97, SSH09, SMP<sup>+15</sup>, SMB02, SBP13, SSAL<sup>+17</sup>, SNB02, SLB13a, SDB<sup>+97</sup>, SKdS<sup>+14</sup>, SE95, SSS<sup>+11</sup>, Smi11, SBN<sup>+15</sup>, SBA<sup>+20</sup>, SIFS10, SBC17, SBR<sup>+97</sup>, SE14, SPB<sup>+10</sup>, SGL99, SWCB02, SSJ<sup>+22</sup>, SVS<sup>+20</sup>, SJST13, Ste04, SCWK08, SCH<sup>+19b</sup>, SS99b, SWGPK17, SCC<sup>+11</sup>, SMM<sup>+06</sup>, SKF<sup>+10</sup>, JMP<sup>+19</sup>, SZB<sup>+19</sup>, SLB13b, SJJ19, SB22, SBG<sup>+06</sup>, TB97, TOF04, THJ<sup>+17</sup>, THZ06, TPW07, TDvdE<sup>+10</sup>, TM22, TGK<sup>+11</sup>, TAL<sup>+12</sup>, TSPH09, TNT<sup>+15</sup>, TMGLM19, TSSR20, TBPS22, TP02b, TP02a, TLK<sup>+02</sup>, TPS<sup>+15</sup>, TRHA01, TA01, TDC08, TSB<sup>+14</sup>, TTA<sup>+16</sup>, TBB<sup>+11</sup>, TRM<sup>+15</sup>, TRB<sup>+19</sup>, VQ97a]. **Ocean** [VQ97b, VAM97, VSD<sup>+97</sup>, VHS97, VTA<sup>+11</sup>, VVM<sup>+12</sup>, VH99, VPP07, VBF<sup>+02</sup>, VNBW18, VTD<sup>+20</sup>, VIY02, VSV<sup>+97</sup>, VKM<sup>+10</sup>, VGF02, WN01, WHL<sup>+97</sup>, WPHL02, WC24, WLZ<sup>+19</sup>, WSM<sup>+22</sup>, WW04a, WFF07, WHNS04, WO99, WST15, Wei99, WWH97, Whe97, WF99, WCY05, WBM<sup>+10</sup>, WAL<sup>+11</sup>, WMC06, WSFB02, WNA<sup>+10</sup>, WACGH11, WAN<sup>+15</sup>, WDG<sup>+02</sup>, Wil98, WSB08, WCJ97, WC01a, WWC<sup>+99</sup>, WWN<sup>+02</sup>, WR01, WvdEP<sup>+10</sup>, WDC<sup>+15</sup>, WCL<sup>+15b</sup>, WW04b, Wun13, WSLC15, WPB11, XWZ24, YWI<sup>+02</sup>, YCN<sup>+10</sup>, YHK15, YQMB20, You99, YMMC11, YS01, YKJ<sup>+15</sup>, YBHM05, ZCG<sup>+12</sup>, ZW23, ZDW<sup>+20</sup>, ZRC<sup>+11</sup>, Zon97, bsBD<sup>+20</sup>]. **Ocean-atmosphere** [SWLL23, AGL<sup>+19</sup>]. **ocean-basin** [DKP<sup>+17</sup>]. **ocean-biogeochimistry** [JAM<sup>+14</sup>]. **Ocean-color** [KMLC<sup>+04</sup>, MCS<sup>+02</sup>, MCS<sup>+03</sup>, MSC04]. **ocean-sea** [WLY<sup>+22</sup>]. **Oceanic** [BMK09, CDJ<sup>+22</sup>, GDIK02, GSGS01, HGM<sup>+11</sup>, MFE<sup>+02</sup>, NP03, SMP<sup>+15</sup>, YSBH06, ACG<sup>+01</sup>, Ano96g, AMTE09, AMK<sup>+05</sup>, BK99, BMK96, Bat01, BW04, BC05, BBG15, BHS<sup>+19</sup>, CBW01, CBB<sup>+95</sup>, CJ19, DRD06, DWBP13, DNK<sup>+08</sup>, EAB<sup>+20</sup>, FCA04, GCRW95, GHIM04, HCG<sup>+09</sup>, HYMD11, IIM02, IIM<sup>+09</sup>, JDL<sup>+22</sup>, KAW<sup>+16</sup>, LW15, Met09, MSW11, MHM<sup>+14</sup>, NMW<sup>+09</sup>, PNVJ13, Rog00, RAL<sup>+01</sup>, RFHL99, SYT<sup>+10</sup>, SZB<sup>+19</sup>, TGFP02, WH01a, WLZ<sup>+19</sup>, WDD<sup>+22</sup>, CRR01, IYM10]. **Oceanographic** [COQ<sup>+18</sup>, GKR<sup>+18</sup>, LWB<sup>+20</sup>, ML04, OT12, PBFS06, RSL05, SB22, YAS<sup>+93</sup>, BES11, BC08, BZ20, BFDB17, BCKH07, BMH<sup>+94</sup>, CHU<sup>+00</sup>, FWZM12, FZW<sup>+13</sup>, GDA<sup>+15</sup>, HPS<sup>+13</sup>, JD08, JRGLJ<sup>+19</sup>, KTSI07, LCW20, LSWH07, LBM<sup>+20</sup>, LNDH<sup>+17</sup>, MSS15, MSGO18, NPBS00, OB22a, PS04a, PC18, PDB<sup>+16</sup>, PLS<sup>+03</sup>, RMB05, RGIH<sup>+06</sup>, SMB<sup>+13</sup>, SNMH18, SGB<sup>+08</sup>, SBK08, SABP<sup>+16</sup>, TBW<sup>+11</sup>, UPS04, UIS<sup>+03</sup>, UY04, YKY<sup>+07</sup>]. **oceanographically** [CWE<sup>+17</sup>]. **Oceanography** [Ano05a, Ano06c, BGDT11, FL04, MTG18, PNLF02, WPG<sup>+07</sup>, AYN19, BH15, BND<sup>+04</sup>, CW09, CSM93, GSVCCCH12, GSP14, Hem99, Joh19, LC16, LCS16, MSI<sup>+08</sup>, MAR<sup>+15</sup>,

PNLFS02, RP17, RDBP14, RGL06b, SCQ<sup>+09</sup>, WHNS04, WB03, WNA<sup>+10</sup>, WMP<sup>+11</sup>, WKLM15, WAW05b, WSP19, YFY<sup>+10</sup>, YHC<sup>+11</sup>]. **oceans** [Gre01, GC07, Hol96, PW12, Sig17, SW99, TSW<sup>+09</sup>, WCJ97, ZJH08, ABKL96, BGWF08, GAJ<sup>+13</sup>, LGP<sup>+15</sup>, LFKF<sup>+17</sup>, TCH<sup>+16</sup>]. **October** [BSN18, CCG04, DMS<sup>+98</sup>, IF95, SMB02, Ano99j, Ano22v, Ano23l, CCG04, Dan95, DMS<sup>+98</sup>, ERR97]. **octocoral** [BM17, FB14, PB13, QED<sup>+14</sup>]. **Octocorallia** [AL14, Dau18]. **octopodids** [ACPV04]. **octopuses** [ABE<sup>+11</sup>]. **oculata** [AHVB<sup>+17</sup>, NOFP14]. **Odate** [KTSI07]. **Odden** [BW99b, THV<sup>+99</sup>, WW99]. **Odobenus** [YBC<sup>+17</sup>]. **odontocete** [BCT21]. **odontocetes** [KOM17]. **Odontoceti** [IATK17]. **ODP** [GPK02, KOS<sup>+16</sup>, NGM<sup>+05</sup>]. **OECOS** [IYM10]. **off** [AMJRD19, AHGCNM<sup>+04</sup>, ADBU18, AAG02, ASB<sup>+02</sup>, Ano14, AGAB19, ARW<sup>+04</sup>, BSG<sup>+11</sup>, BBAL<sup>+20</sup>, BMK05, BB98, BOB20, BFT10, BPM18, BG94, BH94, BD94, Bla94, BMOW09, BBV00, CLT94, CTW<sup>+15</sup>, CCP<sup>+18</sup>, CA06a, CLC<sup>+20</sup>, CLF<sup>+09</sup>, CDG00, CCM<sup>+20</sup>, CHU<sup>+00</sup>, CGR<sup>+00</sup>, CPC<sup>+03</sup>, CHSVB<sup>+19</sup>, CDJM04, CDL94, DVS<sup>+14</sup>, DGN<sup>+17</sup>, DDL06, DVCG<sup>+12</sup>, Di 10, DOLP<sup>+09</sup>, DCR94, DBDT03, DGR19, DDLK06, DLKP14, DDB<sup>+97</sup>, EFW<sup>+14</sup>, EPPR09, ECM<sup>+06</sup>, FPHH<sup>+09</sup>, FGU04, FVSRR14, FPS10, FMFW07, FA02, FMH<sup>+02</sup>, FYS<sup>+17</sup>, GMT<sup>+09</sup>, GPC<sup>+04</sup>, GR10, GGPM05, GHIM04, GQ09, GAC<sup>+02</sup>, Grü99, HTD00, HT01, HWTP07, HVWH09, HS98, Hec94, HMAW11, HSR<sup>+16</sup>, HZS00, HYMD11, HSK<sup>+00</sup>, HF21, IATK17, JKK<sup>+10</sup>, JLK03, JCM<sup>+13</sup>, JBD<sup>+09</sup>, KL06, KCTG16, KKD06, KSDE16, KBV<sup>+97</sup>, LCVV06, LTF<sup>+19</sup>, LWB<sup>+07</sup>, LRV<sup>+02</sup>, LPPK14, LAMLB18, MSRM14, MMHB98]. **off** [MHG<sup>+04</sup>, MASVB<sup>+19</sup>, MP17, MDC<sup>+10</sup>, MBB<sup>+02</sup>, MGH<sup>+16</sup>, MP94, MRMP09, MAR<sup>+17</sup>, MFG<sup>+04</sup>, MF09, MAA<sup>+04</sup>, MAA<sup>+05</sup>, MMMC07, ML04, MTMH11, NC97, NLDJ14, NGF09, NFD<sup>+02</sup>, NPBS00, NKK<sup>+00</sup>, NVK<sup>+04</sup>, NCR<sup>+08</sup>, NA09, NMWH19, NCSB<sup>+98</sup>, OVKN11, OM98, OG11, PPZ93, PKW07, PNH<sup>+00</sup>, PDT<sup>+10</sup>, PDC<sup>+99</sup>, QLU09, RA98, RV00, ROPB03, RLVF02, RH94, RAL04, RCF<sup>+16</sup>, SMLP04, SW09, SLS<sup>+10</sup>, SPF10, SSV02, SSW05, SPEPS18, SRF09b, ŠH11b, SBB06, SEN<sup>+95</sup>, SMPSG<sup>+04</sup>, SAM96, SLC<sup>+15</sup>, SGW<sup>+00</sup>, SKW07, SN00, STS<sup>+15</sup>, TCG00, TBA<sup>+02</sup>, TMGLM19, TMT<sup>+11</sup>, TML<sup>+16</sup>, TKF16, TWPP07, UPS04, VBM<sup>+19</sup>, VKGQ<sup>+09</sup>, WB09, WvdEM00, WR09, WST15, WGMW10, WTI<sup>+20</sup>, WNRM08, WMP<sup>+11</sup>, YKY<sup>+07</sup>, YHC<sup>+11</sup>, YLH<sup>+10</sup>, vC97, vGTG<sup>+00</sup>, vCO09]. **off-shelf** [JCM<sup>+13</sup>]. **off-shore** [BBAL<sup>+20</sup>]. **official** [DRR<sup>+14</sup>]. **offs** [RRK<sup>+20</sup>]. **Offshore** [Ano14, CSM13b, CPW<sup>+18</sup>, DHS<sup>+14</sup>, DPK<sup>+14</sup>, DKP<sup>+14</sup>, DTJ<sup>+14</sup>, DVC14, FMWD07, KCA05, LDG94, MC05, MTGY05, MPH<sup>+05</sup>, MC18a, NLDJ14, NR00, PDK<sup>+14</sup>, PFC19, RHPC<sup>+19</sup>, RGS<sup>+15</sup>, RMG<sup>+23</sup>, SH99c, SJST13, SGFP13, SDLZ13, TZ09, TB05]. **OFFP** [CRR01]. **Oil** [AZYT16, ALHP18, AKZL16, CMP14, DPK<sup>+14</sup>, DKP<sup>+14</sup>, DTJ<sup>+14</sup>, DBG<sup>+16</sup>, DRRBC16, EBM<sup>+18</sup>, EMEP18, FSP<sup>+16</sup>, GGM<sup>+16</sup>, HCRX16, JBD<sup>+09</sup>, Joy16, JBÖ<sup>+16</sup>, LMH<sup>+18</sup>, LLG<sup>+16</sup>, MPM<sup>+16</sup>, MAR<sup>+17</sup>, NLDJ14, NM18, OJK<sup>+10</sup>, PDK<sup>+14</sup>, Pas18, Pas16, PDB<sup>+16</sup>, PPS<sup>+16</sup>, PFDD16, RD16, RP18, RPF<sup>+16</sup>, SKD<sup>+16</sup>, SEM16, SAW16, SBL<sup>+18</sup>, TAB<sup>+16</sup>, WAM<sup>+18</sup>,

YNG<sup>+16</sup>, ZA16, ZJA16, ZDP<sup>+16</sup>, Ano14, QNL<sup>+16</sup>. **oil-associated** [Pas16]. **oil-based** [JBD<sup>+09</sup>]. **oil-degrading** [YNG<sup>+16</sup>]. **Oil-derived** [AZYT16]. **Oithona** [LCDS00]. **Okamejei** [WST15]. **okhotensis** [AM18]. **Okhotsk** [AN06, ASV18, BAF<sup>+18</sup>, CKFC18, KKSA19, MCB18, SID19, AN05, AM18, Ala18, BCE18, CP18a, Dau18, DNG<sup>+12</sup>, DFJ18, EBG<sup>+22</sup>, FHK18, GMB18, Gol18, GHM<sup>+12</sup>, GC18, HSS<sup>+12</sup>, ITM<sup>+12</sup>, Kam18, KME18, KSH12, LJB18, MA18a, MA18b, MB18, Mar18, MAK<sup>+16</sup>, MMDS18, ONRW10, OTK<sup>+05</sup>, OBH<sup>+18</sup>, SIA<sup>+05</sup>, SA18, SHS<sup>+12</sup>, VWTK18, YCN<sup>+10</sup>]. **okhotskensis** [Mar18]. **Okinawa** [CCC<sup>+03</sup>, IOK03, KLL03, KW03, Tan03, YA03, YKS03]. **Okubo** [IFFGL<sup>+04</sup>]. **old** [VMF<sup>+16</sup>]. **Oligocene** [OSHB07, VOK<sup>+24</sup>, WC07a, ZSLL15]. **oligotrich** [CLL<sup>+03</sup>]. **oligotrophic** [ABKL96, AKHR<sup>+20</sup>, BRG<sup>+19</sup>, DBR22, HLG<sup>+21</sup>, HZT<sup>+06</sup>, KTP<sup>+05b</sup>, LR97, LH08, LZB96, LLS<sup>+19</sup>, OvdRvA<sup>+22</sup>, PKZ<sup>+19</sup>, SZV<sup>+19</sup>, Thi05, TWPP07, VPA<sup>+20</sup>]. **Olimpi** [PPR<sup>+20a</sup>, TPP<sup>+20</sup>]. **Oman** [Duc93, ESK<sup>+23</sup>, LG00, MMHB98, MMWM00, PLdL97, PPZ93, SMBM00, SW00]. **OMAs** [dJMTGG11]. **OMEX** [WC01a]. **OMIP** [WLY<sup>+22</sup>]. **Ommastrephidae** [Sei13, TS13]. **OMP** [PFX<sup>+02</sup>]. **OMZ** [FLTV97, FL02, WSB<sup>+09</sup>]. **On-board** [HZK<sup>+05</sup>]. **on-deck** [TPW<sup>+16</sup>, WW04a]. **on-going** [KCZ<sup>+19</sup>]. **on-shore** [CFGR07]. **Onboard** [DCD<sup>+14</sup>]. **Oncorhynchus** [ARWM13, ABC<sup>+05</sup>, AMK<sup>+05</sup>, KKUK10, KMOM19, MBC<sup>+09b</sup>, TBH09, WWB04]. **One** [CDP<sup>+02</sup>, CMC<sup>+02</sup>, DBC<sup>+02</sup>, MML07, DP02, DGN96, FNYK02, GFW07, LK98, LMS15, OFV09, VMF<sup>+16</sup>, WC06a, ZLOR02]. **One-dimensional** [CDP<sup>+02</sup>, DBC<sup>+02</sup>, DP02, DGN96, FNYK02, GFW07, WC06a, ZLOR02]. **One-year** [CMC<sup>+02</sup>]. **ONR** [FK98, KFH01]. **Onset** [BDE07, BFF<sup>+07</sup>, BCBF03, FPW02]. **Onshore** [SGFP13]. **Ontario** [LPZ<sup>+04</sup>]. **Ontogenetic** [MMID17, WL20, YOK<sup>+10</sup>]. **ontogenetically** [KSU<sup>+08</sup>, KUN10, KIN<sup>+10</sup>]. **Ontogeny** [YKN07]. **ooze** [GPK02]. **opal** [ITK<sup>+16</sup>, MHB<sup>+95</sup>, RLPF07, vdLBB<sup>+02</sup>, LBR<sup>+08</sup>, LDS<sup>+08</sup>, NKD<sup>+08</sup>]. **Open** [SUL<sup>+06</sup>, Ano05d, BMK05, BNM08, BCE18, BCH<sup>+19</sup>, BNFS01, DC12, DKC<sup>+17</sup>, FvFC<sup>+11</sup>, LWLS98, LBJ<sup>+13</sup>, MM05, NRS14, NTK<sup>+09</sup>, RHI00, SFR<sup>+06</sup>, SLW98, SUK<sup>+06</sup>, WCH05, WYW<sup>+02</sup>, YK05, YMMC11]. **Open-ocean** [SUL<sup>+06</sup>, BNFS01, LWLS98, NTK<sup>+09</sup>, RHI00, SUK<sup>+06</sup>, WYW<sup>+02</sup>, YK05]. **open-water** [DC12]. **opened** [LJL<sup>+12</sup>]. **Operated** [MCH<sup>+13</sup>, DDB<sup>+17</sup>, DBBWH20, HSM11, LAJP13]. **Operational** [HDGM19, COS<sup>+16</sup>, SABP<sup>+16</sup>]. **operationalizing** [RDSA<sup>+21</sup>]. **operations** [Sag18]. **Opercularella** [Ste13]. **Ophelicola** [CBMM15]. **Ophidiiformes** [MGN<sup>+18</sup>]. **Ophiolimna** [BTC13]. **Ophiuroidea** [SN00]. **ophiuroids** [BBE<sup>+13</sup>]. **Ophryotrocha** [AP22, VHM17]. **opilio** [DBMI17, FJR<sup>+20</sup>, GKBG17]. **opisthobranch** [Mar13]. **opportunists** [YERT13]. **opposing** [CB09a]. **opposite** [BFSK08]. **Optical** [GNG<sup>+22</sup>, GLSK<sup>+17</sup>, PBD<sup>+02</sup>, RGW04, ZWK<sup>+15</sup>, AL98, ARLB00, BRPI02, CDA98, CCH95, DMS<sup>+98</sup>, DNK<sup>+08</sup>, FCG18, Fig02, FWM<sup>+11</sup>, IHSS<sup>+10</sup>, JOD98, KLK<sup>+15</sup>, KMD<sup>+99</sup>, KMDW01, KBE<sup>+04</sup>, KGB06, MFH04, MHA<sup>+15</sup>,



MS18, MAA<sup>+04</sup>, MAA<sup>+05</sup>, NRS14, PVK<sup>+20</sup>, PPRHLF02, PTA<sup>+99</sup>, RD97, SSI<sup>+99</sup>, SWO<sup>+01</sup>, SCM<sup>+08</sup>, WTSP07, bsBD<sup>+20</sup>]. **optics** [BBLs14, HWS<sup>+98a</sup>]. **Optimal** [FGH<sup>+13b</sup>, MTWC<sup>+15</sup>]. **Optimality** [Arm06]. **Optimality-based** [Arm06]. **optimisation** [KMB11]. **Options** [MPH<sup>+16</sup>, AH17]. **Orbital** [AKI<sup>+16</sup>, GBC<sup>+05</sup>, GHM<sup>+12</sup>]. **Orbital-scale** [AKI<sup>+16</sup>]. **orca** [MT98]. **Orchomene** [HNS<sup>+11</sup>]. **Orcinus** [MT98]. **Order** [GBBS00, IUdV<sup>+12</sup>, GTSC08, RRT<sup>+17</sup>]. **Ordovician** [ASS02, SSAF02]. **Oregon** [BPS00, DME<sup>+18</sup>, FPS10, GGPM05, MPZ04, SPF10, SSW05, SCPP05, YLG<sup>+18</sup>, vGTG<sup>+00</sup>]. **Organic** [BMD<sup>+17</sup>, BRP<sup>+13</sup>, Cra97, FRW00, FGW02, HdVGHM02, KLL03, KBI<sup>+11</sup>, KSS00a, LPFS97, LSB07, LCE<sup>+23</sup>, MS06a, Mil94b, MB08, NMS09, PD01, PGZ<sup>+09</sup>, RCL<sup>+09</sup>, RBDO17, TBA<sup>+02</sup>, WLP<sup>+09</sup>, ABC<sup>+04</sup>, AWL<sup>+09</sup>, ASBM02, ARC02, ACH02, AHHCR23, ALH<sup>+01</sup>, BHMC05, BSS<sup>+17</sup>, BDW<sup>+98</sup>, BA10, BWD20, BJF16, BCG04, BBDL98, BPB<sup>+94</sup>, BLS<sup>+97</sup>, BGG<sup>+09</sup>, BSS15, BAH<sup>+95</sup>, BBA<sup>+98</sup>, BBA<sup>+01</sup>, CD95, CHPS00, CHN<sup>+10</sup>, CZP<sup>+08</sup>, CCP<sup>+18</sup>, CMB<sup>+97</sup>, CM99a, CMB99, CZVR02, CSGC03b, CCZ<sup>+21</sup>, CM00, ÇYFB<sup>+06</sup>, ÇYAYT06, CLPL<sup>+09</sup>, CMB12, CSS<sup>+02</sup>, DURP03, DD95, DB05, DPLB94, DTB<sup>+02</sup>, DKN<sup>+97</sup>, DJS<sup>+08</sup>, DC00, DRR17, DÁSCP02, DGB<sup>+98</sup>, DSYH09, EAS<sup>+09</sup>, ERB<sup>+99</sup>, GWZ16, GRS00, GRC<sup>+03</sup>, GBL<sup>+08</sup>, GSB<sup>+23</sup>, GGM<sup>+16</sup>, GLSK<sup>+17</sup>, GCB04, GMC<sup>+12</sup>, GOP<sup>+01</sup>, HMB<sup>+96</sup>, HCBP97, HP98, HC01, HWM02, Har94, HVN02, HSC<sup>+07</sup>, HCG<sup>+03</sup>, HWC07]. **organic** [HD02, HLM<sup>+01</sup>, JDS<sup>+08</sup>, JDD<sup>+11</sup>, JBS<sup>+13</sup>, KBLA97, KR95, KCD<sup>+17</sup>, KLY<sup>+15</sup>, KHL<sup>+16</sup>, KMC05, KVB<sup>+09</sup>, KSU<sup>+06</sup>, KW00, LRGH<sup>+05</sup>, LG09, LMB<sup>+98</sup>, LPW<sup>+09</sup>, LG98, LWM<sup>+09</sup>, LWL<sup>+16</sup>, LKH<sup>+07</sup>, LFC16, MP99, MHB05, MORB<sup>+15</sup>, MBB<sup>+02</sup>, MD14, MGS<sup>+10</sup>, dJMTGG11, MFG<sup>+04</sup>, MGC<sup>+14</sup>, MES97, MLK<sup>+12</sup>, MBT97, MSTT07, MYN<sup>+96</sup>, NSKG96, NAB<sup>+02</sup>, NVBJ08, NKB95, NW01, NTS<sup>+11</sup>, OCL<sup>+08</sup>, OUK03, ODP<sup>+17</sup>, PCB<sup>+00</sup>, PW15, PMJW10, PPZ93, PTM<sup>+16</sup>, PH96, Pfa93, PPFs17, PDE<sup>+16</sup>, PCB<sup>+17</sup>, PDS<sup>+17</sup>, PRMM<sup>+17</sup>, PDTS08, QB02, RTB02, RV00, RGH<sup>+24</sup>, RRWR08, RGS<sup>+97</sup>, RIHGS00, RMPI<sup>+17</sup>, RPF<sup>+16</sup>, RBH<sup>+20</sup>, SdS01, SMCA01, SSB<sup>+17</sup>, SBHS20, SSV02, SSM<sup>+00</sup>, SW00, SMD08, SBN<sup>+15</sup>, SBA<sup>+20</sup>, SP00, SLZ<sup>+16</sup>, SD96, SAM96, SP06, SJSI00, SCM<sup>+09</sup>, TRH<sup>+08</sup>, TTLP06, TGK<sup>+11</sup>, TAL<sup>+12</sup>, TTCD14, VCSM09, VKGP<sup>+11</sup>, VAK<sup>+09</sup>, VCR02, WWH97, WYW<sup>+02</sup>, WC09]. **organic** [WAC<sup>+09</sup>, WDC<sup>+15</sup>, YCN<sup>+10</sup>, YCT<sup>+22</sup>, YÇYTKB06, YOI<sup>+09</sup>, YHL<sup>+12</sup>, YBHM05, ZQ97, ZCG<sup>+12</sup>, ZWQ<sup>+19</sup>, ZWL<sup>+22</sup>, ZdBB<sup>+07</sup>, Zon07, ZB00, dCHdOF<sup>+18</sup>, dSG09a]. **organic-** [ODP<sup>+17</sup>]. **organic-matter** [DD95]. **Organic-walled** [HdVGHM02, ZB00, dSG09a]. **organisms** [AMN<sup>+02a</sup>, BBL<sup>+13</sup>, CGR<sup>+96</sup>, KRGT14, MB08, PDY20, UGSK<sup>+20</sup>]. **organization** [BMGC09, BH19b]. **organo** [dJMTGG11]. **organo-mineral** [dJMTGG11]. **organochlorine** [GSK96]. **organs** [LV17]. **orientalis** [KHT<sup>+20</sup>, KOT<sup>+20</sup>]. **orientation** [BGCH20, MOT98]. **oriented** [BKM07, MBd05]. **Origin** [BSS<sup>+17</sup>, CLB96, RdGM<sup>+09</sup>, BC05, BLS<sup>+97</sup>, GPBV<sup>+07</sup>, KL06, LPMS09,

MTGY05, RTB02, Rai11, RLG07, SHB02, TLW<sup>+94</sup>]. **original** [GPF16]. **Origins** [MSRM08]. **Orinoco** [HMSMK04]. **Orkney** [MNR<sup>+11</sup>]. **ornata** [WST15]. **Orographic** [Sco05]. **orthogonal** [IS07]. **Oscillation** [CAGL13, CPH01, HC15, MMH<sup>+08</sup>, TSS<sup>+21</sup>, ZPT<sup>+13</sup>]. **oscillations** [Chi96, PWJF20, RSSM19, SPF<sup>+94</sup>, VV23, ZL23]. **Osedax** [ALSF<sup>+17</sup>]. **osmium** [KGW96]. **ossicola** [QRE<sup>+17</sup>]. **ostenfeldii** [GKQ<sup>+05</sup>]. **ostracoda** [SSR<sup>+14</sup>, Ang10, BVB14a, KB15]. **ostracode** [GCCG13]. **ostracods** [CB18, Zar16]. **Otago** [OM98]. **Otaria** [RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>]. **Other** [Ano98g, Ano99f, Ano00f, AS01a, ACPV04, BCT21, DTWF17, FVSRR14, FVW08, GTTKB14, GBLS00, GCKC07, GJC98, HTML98, HHH<sup>+22</sup>, KM98, LLM<sup>+02</sup>, LLM<sup>+03</sup>, NKF<sup>+10</sup>, NVK<sup>+04</sup>, PK08, Reb03, RHPC<sup>+19</sup>, UY04, WAC<sup>+09</sup>]. **Otolith** [HiI<sup>+19</sup>, HiI<sup>+20</sup>, MMS<sup>+19</sup>, WZC<sup>+19</sup>, ZDW<sup>+20</sup>]. **otter** [TCEW07]. **our** [Har06]. **outbreaks** [KAM<sup>+14</sup>, Sco05]. **Outbreeding** [BKS<sup>+10</sup>]. **outcome** [FC09, ROBV<sup>+18</sup>]. **Outcomes** [Urb20, RBDO17]. **Outer** [PTM<sup>+16</sup>, SS99a, GPMZ<sup>+10</sup>, KMO09, SPF<sup>+94</sup>]. **outflow** [ASB<sup>+02</sup>, BWS02, CBG02, DGR02, HMLS<sup>+06</sup>, MLW<sup>+16</sup>, ONRW10, SLDL93, SAK05, YFL<sup>+23</sup>]. **outflows** [PHOM09]. **outline** [KWA<sup>+20</sup>]. **outlook** [BEG07]. **output** [HPH<sup>+16</sup>, VHM17, YSWJ16]. **ovata** [Mal15]. **overall** [WGG98]. **overcast** [CWVB04]. **overexploitation** [CWSH20]. **overflow** [BL04, LGB13, Men23, PR05, Thu06]. **overflows** [VMB17, WJ02]. **Overlap** [CLQ<sup>+18</sup>, BSR<sup>+18</sup>, HHMF11, MS11, PKHH17, PRDB<sup>+17</sup>, RSWG04, RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>]. **overlaps** [MST<sup>+14</sup>]. **overlying** [TMT<sup>+11</sup>]. **overturn** [HC01]. **Overturning** [CH11, GLBB11, GM11, HMHY11, MD06, MKW11, Bae11, BJ15, MZD<sup>+11</sup>, RHK<sup>+11</sup>, RKHK<sup>+11</sup>, SF11]. **Overview** [MK96, ROB<sup>+17</sup>, SH02, SCB<sup>+01</sup>, TO95, BQT08, BMO93, Bur99, BAR<sup>+02</sup>, CHU<sup>+00</sup>, CHS17, DTJ<sup>+14</sup>, DFF02, DWJ<sup>+15</sup>, DGT14, ES04, GH05, GHS09, HMW<sup>+15</sup>, HWCT04, IBB<sup>+02</sup>, KTB<sup>+05</sup>, LTW<sup>+11</sup>, LPSS03, LD07, Mah16, MFH04, MDTG13, PL00, Rog17, Sak07, SIBW01, SBDB09, SBKS03, Smi11, SYB<sup>+11</sup>, TZ09, TBFP04, VNA<sup>+16</sup>, WTP<sup>+07</sup>, WKM<sup>+07c</sup>, WKLM15, YOR13]. **overwinter** [CSS<sup>+22b</sup>]. **Overwintering** [Dal04, ST07]. **own** [ŽSN<sup>+18</sup>]. **oxic** [KMLT06]. **oxic/anoxic** [KMLT06]. **Oxidation** [Sch07, BNP<sup>+09</sup>, CCK<sup>+16</sup>, GMT<sup>+09</sup>, HFL<sup>+15</sup>, MS06a, MF09, TCG<sup>+18</sup>, WJS<sup>+10</sup>]. **oxide** [BKP<sup>+19</sup>, CFV<sup>+18</sup>, DH97, FUGG<sup>+09</sup>, JBR<sup>+18</sup>, LL01, LAMLB18, WYPY06]. **oxidizing** [CBNR<sup>+09</sup>, HSS<sup>+18</sup>, TSP<sup>+18</sup>, YLD09]. **oxycline** [MF09].

**Oxygen**  
[ADBU18, CSH<sup>+13</sup>, DO01, HLL<sup>+09</sup>, LWM<sup>+09</sup>, MPB<sup>+18</sup>, PCB<sup>+17</sup>, SAM96, TNT<sup>+15</sup>, VCO<sup>+15</sup>, ÁRR02, AKI<sup>+16</sup>, BRM18, BRJM18, BH19a, BL96, BLW<sup>+09</sup>, CFT<sup>+04</sup>, CLH<sup>+00</sup>, CMB02, CL09, DAKR20, DGN<sup>+17</sup>, DRBM97, DSO<sup>+97</sup>, EHK09, FCA04, FCAD04, FDC<sup>+18</sup>, FSGV<sup>+09</sup>, GMT<sup>+09</sup>, GPC<sup>+04</sup>, GQ09, GBLS00, GLdS<sup>+09</sup>, GW98, HBT<sup>+08</sup>, HiI<sup>+19</sup>, HiI<sup>+20</sup>, HCRX16, JWC09, KNK15, KSBK01, KFF<sup>+94</sup>, KBSS93, KLČ<sup>+19</sup>, LG00, LG09, LG98, LGML00, LL00, LN01, LAMLB18, MGHN01, MASVB<sup>+19</sup>, MMS<sup>+16</sup>, MPS<sup>+21</sup>, MAK<sup>+16</sup>, MMWM00, MFG<sup>+04</sup>, MF09, MCS<sup>+99</sup>, MFM<sup>+18</sup>,

MMM<sup>+00</sup>, MBG09, NS93, OTNT05, OHFW93, OENB01, PRC<sup>+09</sup>, PHS17a, PHD<sup>+18</sup>, QSA<sup>+09</sup>, RCL<sup>+09</sup>, Rog00, RMNB08, SWC09, Sei13, SBHS20, SW00, SLH<sup>+00</sup>, SLZ<sup>+16</sup>, SKGD14, SFMG13, SNK07, TLF97, TBSP<sup>+18</sup>, TTDR13, TS13, TDC08, UP09, VCSM09, VKGQ<sup>+09</sup>, WWC<sup>+19</sup>, WGG98].  
**oxygen-deficient** [GBLS00]. **oxygen-depleted** [SNK07].  
**oxygen-minimum** [VKGQ<sup>+09</sup>]. **oxygenation** [BN05]. **Oxypolella** [CAK15]. **Oxypolella-like** [CAK15]. **Oyashio** [HiII<sup>+19</sup>, HiII<sup>+20</sup>, HYK<sup>+02</sup>, IGN<sup>+10</sup>, IHSS<sup>+10</sup>, KYI10a, KYI10b, KUN10, KIN<sup>+10</sup>, KMO<sup>+10</sup>, KS10, LSGM02, NKF<sup>+10</sup>, OHS10, STK02, Sak07, SF10, SHN<sup>+07</sup>, SKF<sup>+10</sup>, YOK<sup>+10</sup>, YOO<sup>+10</sup>].

**P** [Ano97b, Ano97c, FSK<sup>+05</sup>, HLF08, ZHK<sup>+05</sup>, ADV<sup>+01</sup>, CKH<sup>+05</sup>, GS06b, KTP<sup>+05b</sup>, KTB<sup>+05</sup>, PWR05, PST<sup>+05</sup>, WBM96, WWC<sup>+99</sup>, ZHK<sup>+05</sup>].

**P-cycle** [FSK<sup>+05</sup>]. **P-limited** [ZHK<sup>+05</sup>]. **P-ratios** [HLFP08]. **P**.

[BGMH01, MM15]. **Pa**

[AFB<sup>+94</sup>, CAFK03b, FA03, HAF<sup>+15</sup>, SvdLM95, VvdLS11]. **Pachycara**

[BKPA06]. **Pachyptila** [vFvdBB<sup>+02</sup>, BY09]. **Pacific**

[ARF<sup>+13</sup>, BPD<sup>+11</sup>, BRPH20, CMW<sup>+05</sup>, CM16a, DLHH11, DB16, DCK01, DFJ18, DGB<sup>+98</sup>, FSL<sup>+01</sup>, Fri01, FSGV<sup>+09</sup>, GFK24, GMPSHA<sup>+13</sup>, GdRGLS04, HK01, IYM10, JLL<sup>+13</sup>, KBL01, KKNH02, LBV<sup>+08</sup>, LBL08, LSU04, LKL<sup>+13</sup>, LAT<sup>+18</sup>, MCS<sup>+03</sup>, MHK<sup>+03</sup>, MSNL09, MMG98, NHS<sup>+09</sup>, NLSL09, OKY<sup>+17</sup>, OBWK01, PLS<sup>+03</sup>, PZL<sup>+09</sup>, PDY20, RR10, RD97, SM15, SFV<sup>+98</sup>, SCWK08, SBG<sup>+06</sup>, TdFAL19, TSB<sup>+14</sup>, VOK<sup>+24</sup>, WSM<sup>+22</sup>, Wei15, WF99, WCY05, WAN<sup>+15</sup>, WSB08, WWN<sup>+02</sup>, WDC<sup>+15</sup>, WCL<sup>+15b</sup>, YWI<sup>+02</sup>, YCN<sup>+10</sup>, ATD<sup>+11</sup>, AM22a, AHR<sup>+06</sup>, ATJ05, AP22, ABKL96, ASF<sup>+16</sup>, Ano06g, AKK<sup>+17</sup>, ANI09, ATS<sup>+96</sup>, AAB<sup>+97</sup>, Arr15, Arr16, ACG19, AMN<sup>+02b</sup>, AMK<sup>+05</sup>, BTV<sup>+11</sup>, BFL<sup>+20</sup>, BKP<sup>+20</sup>, BK96a, BGS98, BSL<sup>+96</sup>, Bas19, BLSW05, BB09, BW04, BHS<sup>+06</sup>, BDW<sup>+98</sup>, BMK05, BS98, BAD<sup>+97</sup>, BL98, BZS<sup>+16</sup>, BBDL98, BGWF08, BO96, BCO<sup>+96</sup>, BD02, BCS99, BE18, BCB<sup>+18</sup>]. **Pacific**

[BTRL99, BCE18, BT98, Bor01, BML<sup>+06</sup>, BHJ99, BGH99, BH99b, Boy02, BSCE15, BEM<sup>+15</sup>, BRPI02, BT04, BLS<sup>+08</sup>, BLG15, BNFS01, BBB<sup>+11b</sup>, BTS<sup>+08</sup>, BT15, BOH<sup>+04</sup>, CD95, CTGD08, CFV<sup>+18</sup>, CLB96, CDP<sup>+02</sup>, CWSH20, CMB99, CAFK03a, CAFK03b, CBS<sup>+96</sup>, CB18, CDG00, CMAO<sup>+12</sup>, CVM<sup>+01a</sup>, CVM<sup>+01b</sup>, CMBPM04, CLQ<sup>+18</sup>, CM16b, CMH<sup>+20</sup>, CBMM15, CRM<sup>+16</sup>, CGG<sup>+19</sup>, CCC<sup>+23</sup>, CMPB18, CJM<sup>+22</sup>, DZBR95, Dan95, DN97, DDN<sup>+04</sup>, Dau18, DABMAMA04, DGN<sup>+17</sup>, DLR11, DJS<sup>+08</sup>, DBN<sup>+11</sup>, DP99, DP02, DVPR06, DGR19, DRS10, DKJ13, DJ15, DBS98, DCF<sup>+18</sup>, DQC95, DWW<sup>+02</sup>, DBC<sup>+02</sup>, DCF<sup>+11</sup>, DMY<sup>+97</sup>, DNA97, DO96, EWBW99, ERR97, EBB<sup>+08</sup>, FMZ15, FL04, FHAH16, FWC<sup>+95</sup>, FWG<sup>+97</sup>, FBC<sup>+02</sup>, FAS<sup>+03b</sup>, FLMF07, FB15, FEB<sup>+15</sup>, FCG<sup>+96</sup>, FSG02, FDM<sup>+97</sup>, FBCN00, Fre13, FDC<sup>+18</sup>, FC07, GLLC04, GVW<sup>+19</sup>, GGCM17, GML99, GSdAMNMM04].

**Pacific**

[GJC98, GKR<sup>+18</sup>, GBP21, GMCF19, GK02, HRM<sup>+06</sup>, HSS<sup>+18</sup>, HMB<sup>+96</sup>,

HCBP97, HOD<sup>+09</sup>, HTTS12, HSS<sup>+12</sup>, Har96, HC15, HTS<sup>+09</sup>, HTK<sup>+10</sup>,  
 HSBT19, HCHD09, HHP<sup>+96</sup>, HALV18, HSC<sup>+19</sup>, HYK<sup>+02</sup>, HA03, HMS<sup>+03</sup>,  
 HWS<sup>+98b</sup>, HIN<sup>+02</sup>, HDCM95, HFM<sup>+00</sup>, HDW<sup>+20</sup>, HAM<sup>+15</sup>, ITT12, INTS02,  
 IF95, IHSS<sup>+10</sup>, IIM<sup>+09</sup>, JCD<sup>+03</sup>, Joh96, KF95, KPML20, KBK<sup>+18</sup>, Kam15,  
 Kam18, KSH<sup>+09</sup>, KWN<sup>+09</sup>, KOS<sup>+16</sup>, KMSM11, KNG02, Kaw02, KDU<sup>+10</sup>,  
 KxF22, KCZ<sup>+19</sup>, KSBK01, KM95, KYI10a, KRB95, KY17, KTSI07, KSU<sup>+08</sup>,  
 KT02, KMA<sup>+18</sup>, KHT<sup>+20</sup>, KOT<sup>+20</sup>, KN97, KNI<sup>+05</sup>, KFS<sup>+10</sup>, KNB11, KR07,  
 KLKB95, KNN<sup>+06</sup>, KCO<sup>+19</sup>, KMS<sup>+02</sup>, LKD<sup>+15</sup>, LVJC17, LMLJ18, LSF<sup>+01</sup>,  
 LSST20, LCK95, LKC96, LK02, LST<sup>+11</sup>, LK98, LCS<sup>+06</sup>, LR97, LFM02,  
 LBD<sup>+02</sup>, LGP<sup>+03</sup>, LSNH15, LGF03, LSM<sup>+06b</sup>, LMKL09, LDG<sup>+23</sup>, LB18,  
 LSGM02, LBB95, LIS<sup>+02</sup>, LLK<sup>+09</sup>, LCWJI<sup>+19</sup>, LSC02, LGP<sup>+15</sup>, LFHM97].  
**Pacific** [LSM96, LKK<sup>+95</sup>, MN10, MC05, MTGY05, MPH<sup>+95</sup>, MPG<sup>+97</sup>,  
 MBHN02, MBHP99, MP99, Mal15, MSK<sup>+06</sup>, MJW<sup>+06</sup>, MSJ<sup>+06</sup>, MTB09,  
 Mar18, MASVB<sup>+19</sup>, MRSLM<sup>+19</sup>, MCSF15, MMS<sup>+19</sup>, MA05, MGNB96,  
 MCS<sup>+02</sup>, MGK19, MV01, MLR07, MAR<sup>+15</sup>, MTT<sup>+12</sup>, MLS<sup>+06</sup>, MM15,  
 MRC05, MDH16, MMD15, MS12, MSS<sup>+02</sup>, MF09, MSGO18, MHSV18,  
 MDTG13, MZH16, MWFS17, MST<sup>+14</sup>, MHM<sup>+14</sup>, MKS<sup>+02</sup>, MJG95,  
 MYN<sup>+96</sup>, MLD97, NOT<sup>+09</sup>, NMH<sup>+06</sup>, NHCL14, NBSF01, NAB<sup>+02</sup>, NL11,  
 NTK<sup>+09</sup>, NZT97, OKH<sup>+22</sup>, ONRW10, OTNT05, OTOH05, OACA19,  
 OYK15, OTH05, OT12, PBFS06, PCDM11, PHS17a, PPYN15, PWCL98,  
 PH96, PFC19, PWF03, PRORSV<sup>+19</sup>, PHD<sup>+18</sup>, PLL<sup>+06</sup>, PWB<sup>+06</sup>,  
 PWP<sup>+05</sup>, PSK<sup>+00b</sup>, PDSS96, PDB<sup>+20</sup>, Qua97, RR96, RPMS95, RMA<sup>+20</sup>,  
 RLPF07, RHPC<sup>+19</sup>, RPAD99, RL97, RDLZ02, SAKP<sup>+22</sup>, SBCH02, STK02,  
 STN<sup>+06</sup>, STN<sup>+09</sup>, SiSA<sup>+02</sup>, SD06a, STF09, SA15a]. **Pacific**  
 [SMH<sup>+06</sup>, SH99c, SBBP<sup>+15</sup>, SDB<sup>+18</sup>, SLT<sup>+11</sup>, SLHS20, SNMH18, SFG98,  
 SBSH99, SIS<sup>+02</sup>, SKS<sup>+23</sup>, SNIT02, SP19b, SNB02, SHD<sup>+96</sup>, SBD<sup>+97</sup>,  
 SBG<sup>+98</sup>, SD98, SMB<sup>+98</sup>, SM03, SHM<sup>+20</sup>, SHR20, SIFS10, SMPSD04, SH16,  
 SCGB18, SCH<sup>+19b</sup>, SMB<sup>+18</sup>, SHPM14, SPD<sup>+11</sup>, SLS11, SLB<sup>+15</sup>, SKF<sup>+10</sup>,  
 JMP<sup>+19</sup>, SPP22, SMLS02, SSI<sup>+09</sup>, SHKW05, TYBY06, TT05, TLYS11,  
 TRWB99, TSWJ12, TKF07, TMGLM19, TS10, TMP<sup>+13</sup>, TBB<sup>+08</sup>, TSB<sup>+14</sup>,  
 TSN<sup>+06</sup>, TSMS09, TNIW02, TTA<sup>+16</sup>, TBB<sup>+11</sup>, UP09, URDP01, VMBS03,  
 VH99, VSSN96, VS99, VSV<sup>+97</sup>, VT01, VBC<sup>+95</sup>, WHF<sup>+19</sup>, WHL<sup>+97</sup>,  
 WPHL02, WCRG95, WGR<sup>+97</sup>, WCMB06, WYOS18, WLZ<sup>+19</sup>, WXL<sup>+23</sup>,  
 WFA<sup>+95</sup>, WSL07, WMW96, WTCB09, WGNH15, WYL<sup>+20</sup>, WZW<sup>+95</sup>,  
 WCH05, WTT<sup>+20</sup>, WACGH11, WNHF<sup>+15</sup>, WCB98, WM99, WC02,  
 WYW<sup>+02</sup>, WWW<sup>+02</sup>, WC06b, WJS<sup>+06</sup>, WSP19, WCWW99, YK16, YTF02,  
 YWW23, YKS<sup>+19</sup>, YKO15, YOI<sup>+09</sup>, You10]. **Pacific**  
 [YBC<sup>+17</sup>, ZKSS06, ZNM<sup>+02</sup>, ZOB<sup>+96</sup>, ZDWR95, ZD97, ZQ97, ZRC<sup>+11</sup>].  
**Pacific-Arctic** [OACA19]. **Pacific-influenced** [CJM<sup>+22</sup>]. **pacifica**  
 [AELP14, KYI10a, KYI10b, LS10, SPF10]. **pack** [BLB<sup>+11</sup>, CMNM16,  
 FHvFM08, FMS08, FWM<sup>+11</sup>, GFS99, JSM<sup>+16</sup>, KMM<sup>+08</sup>, KBF<sup>+08</sup>,  
 LCvdM<sup>+16</sup>, MNG<sup>+11</sup>, SvdMC<sup>+16</sup>, TKF16, UWvdE<sup>+16</sup>, vdMLB<sup>+11</sup>].  
**pack-ice** [BLB<sup>+11</sup>, FHvFM08]. **packages** [TWL<sup>+15</sup>]. **Page**  
 [Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h].

**Page/Cover** [Ano17f, Ano17g, Ano17h]. **Pages** [Ano93b, Ano93d, Ano93e, Ano93c, Ano94b, Ano94c, Ano94d, Ano95c, Ano95e, Ano95f, Ano95d, Ano96l, Ano96h, Ano96i, Ano96k, Ano96j, Ano97d, Ano97g, Ano97e, Ano97f, Ano98k, Ano98m, Ano98j, Ano98l, Ano98h, Ano98n, Ano98i, Ano99i, Ano99g, Ano99h, Ano99l, Ano99m, Ano99k, Ano99j, Ano00k, Ano00m, Ano00g, Ano00n, Ano00l, Ano00i, Ano00j, Ano00h, Ano01d, Ano01c]. **PAHs** [CHT<sup>+</sup>13, SW08, WSS<sup>+</sup>08]. **pair** [PKW07, SKW07, TPW07]. **pairs** [VMGO<sup>+</sup>09]. **Pakistan** [BG09a, BLW<sup>+</sup>09, CL09, CML<sup>+</sup>09, GLdS<sup>+</sup>09, HLL<sup>+</sup>09, JWC09, LSS<sup>+</sup>09, LWM<sup>+</sup>09, MBG09, SJSI00, VCSM09, WSB<sup>+</sup>09, WC09, WAC<sup>+</sup>09]. **PALACE** [HMSMK04]. **palaeo** [GPK02, ZB00]. **Palaeo-** [ZB00]. **palaeo-flux** [GPK02]. **palaeoceanography** [RAF<sup>+</sup>14a, RAF<sup>+</sup>14b]. **palaeoenvironmental** [ID19, Tho04]. **Palaeproductivity** [PS05]. **Paleo** [PPR07]. **Paleoceanographic** [GNT<sup>+</sup>17, AELP14, AKI<sup>+</sup>16, CHL<sup>+</sup>15, FSG02, HAF<sup>+</sup>15, MHB<sup>+</sup>95, MPB<sup>+</sup>18, OTK<sup>+</sup>05, RH07, TT05]. **Paleoceanography** [ITM<sup>+</sup>12, WFF07, IOTS16, ITK<sup>+</sup>16, KOS<sup>+</sup>16, Tak05, TRO16, TSOT16]. **paleoclimatic** [BIP<sup>+</sup>02, DFA<sup>+</sup>20, SHS<sup>+</sup>12]. **paleoclimatology** [WFF07]. **Paleodictyon** [RSdV<sup>+</sup>09]. **paleoenvironmental** [AN05, AN06, KT05, ZWC<sup>+</sup>15]. **Paleoflow** [MF93a]. **Paleomagnetic** [LSOM16, OTNT05]. **paleontological** [GBC<sup>+</sup>05]. **Paleoproductivity** [ITK<sup>+</sup>16, KKT16]. **paleoreconstructions** [AMN<sup>+</sup>02a]. **paleospeed** [LB93]. **pallasii** [ASF<sup>+</sup>16, GKR<sup>+</sup>18, SPP22, TKF07]. **Palmahim** [BBAL<sup>+</sup>20, BBS<sup>+</sup>20]. **Palmer** [RQM<sup>+</sup>08]. **palumbii** [MN10]. **Palynofacies** [SSB<sup>+</sup>17]. **palynological** [DW15a]. **pammelae** [BBB<sup>+</sup>01]. **Pandalus** [AI09, NA09]. **Pannychia** [OKH<sup>+</sup>22]. **PAP** [LBM10, SWBKK10]. **Papa** [WCWW99]. **Papagayo** [GSdAMNMM04]. **paper** [Eif05, JW05a]. **papers** [Lut09]. **Paracanthochus** [MM15]. **paradigm** [PL04]. **paradigms** [LdSN<sup>+</sup>18]. **paradoxical** [YERT13]. **Paragenesis** [Cha07]. **Paragorgiidae** [FB14]. **paralarvae** [RNP93]. **paralarval** [BJP<sup>+</sup>22]. **Paralytic** [DVC14, DRR<sup>+</sup>14, ACK<sup>+</sup>14, BMH05, BCL14, DCD<sup>+</sup>14, KAM<sup>+</sup>14]. **Parameter** [KMB11, SOW01, IFFGL<sup>+</sup>04]. **parameterisation** [RFHL99]. **Parameterization** [WDFK<sup>+</sup>22, CDJ<sup>+</sup>22, GDL22, HCJ<sup>+</sup>22, LYL22, Pap05a, SHL<sup>+</sup>11, SD22, TCM<sup>+</sup>22, TC06, XYZ<sup>+</sup>22]. **parameterizing** [MPH<sup>+</sup>16]. **parameters** [ABC<sup>+</sup>04, AHGCNM<sup>+</sup>04, ADBW16, BL99, DM16a, FNS20, GDA<sup>+</sup>15, HAGW<sup>+</sup>13, HPM02, KCMT<sup>+</sup>20, KRGT14, Lar04, LBB95, LW04, MGJ<sup>+</sup>18, MFN<sup>+</sup>02, Pon07, TLR<sup>+</sup>00, ZHY<sup>+</sup>13]. **Parametrization** [OBRJ01, LHX<sup>+</sup>22]. **Paramunnidae** [GM22]. **Paramuricea** [DQC14]. **Paramytha** [QRE<sup>+</sup>17]. **parasite** [TBSP<sup>+</sup>18]. **parasites** [KPBK08, PK08, TBSP<sup>+</sup>18]. **parasitizing** [CBMM15]. **Parasound** [SSHB03]. **parks** [DAN23]. **parsimonious** [HCJ<sup>+</sup>22]. **Part** [Ano96f, CC00, CPM<sup>+</sup>18, ELG<sup>+</sup>22a, HWCT08, LWSA08, LWAS08, LSM<sup>+</sup>06b, MDTS11a, Ala13, Ano96d, ÇYB<sup>+</sup>18, CC13, CHT<sup>+</sup>13, CMB02, FLM10, PRSS23, POA<sup>+</sup>16, SA18, YCYK10, CDP<sup>+</sup>02, CBF01, DIM<sup>+</sup>12, DBC<sup>+</sup>02, FC01, GBH<sup>+</sup>01, GSMB01, GOC09, KTP<sup>+</sup>20a, KTP<sup>+</sup>20b, KVB<sup>+</sup>09,

LC16, LCS16, LLD<sup>+17</sup>, LPD<sup>+17</sup>, LPA<sup>+17</sup>, LAB<sup>+17</sup>, MSK<sup>+06</sup>, MJW<sup>+06</sup>, MSJ<sup>+06</sup>, MDTS11b, MDI<sup>+12</sup>, MLS<sup>+06</sup>, OGC09, PF04a, PF04b, PTD<sup>+17</sup>, PDA<sup>+17</sup>, PLA<sup>+17</sup>, PCB<sup>+17</sup>, SVR<sup>+00</sup>, SH99a, SH99b, SS05a, SS05b, SA03, SWCB02, SVS<sup>+20</sup>, TBC<sup>+17</sup>, VSR<sup>+00</sup>, VAK<sup>+09</sup>, WSFB02]. **Partial** [KRF01, BCM02, CG07, Dan95, TS13]. **Participatory** [RDSA<sup>+21</sup>]. **Particle** [Ber01, BLC<sup>+08</sup>, DEK<sup>+08</sup>, HFM<sup>+00</sup>, IGP<sup>+06</sup>, Thu98, VMM<sup>+08</sup>, Wal94b, WGR<sup>+97</sup>, ASBM02, ANL13, AAMF<sup>+02</sup>, AMH<sup>+01</sup>, BBB94, BMK<sup>+13</sup>, BAD<sup>+97</sup>, BTS<sup>+08</sup>, CM99a, CAFK03b, CBB<sup>+00</sup>, CRR01, CCH95, DMY<sup>+97</sup>, ETDB11, FS02, GWR93, GNG<sup>+22</sup>, GBP00, GAC<sup>+02</sup>, HMW00, HFM<sup>+02</sup>, HdMR<sup>+99</sup>, HM93, HTM<sup>+03</sup>, HDW<sup>+20</sup>, Jac95a, JLAD95, JB01, KCD<sup>+96</sup>, LOA15, LNJ<sup>+00</sup>, LSdC<sup>+10</sup>, LAC<sup>+09</sup>, LWW<sup>+15</sup>, LKK<sup>+95</sup>, MBNRB08, MDTS08, MDT<sup>+08</sup>, NFD<sup>+02</sup>, NRS14, OPB15, PIP<sup>+02</sup>, PP93, PDC<sup>+99</sup>, PFW<sup>+09</sup>, PAM<sup>+14</sup>, RBN<sup>+08</sup>, SCL<sup>+04</sup>, SBD<sup>+97</sup>, SGM<sup>+02</sup>, SLLT10, TBB<sup>+08</sup>, UIS<sup>+03</sup>, WCRG95, WWC<sup>+99</sup>, XA09, ZGW<sup>+23</sup>, ZDA<sup>+16</sup>, vdLCS<sup>+11</sup>]. **particle-attached** [LWW<sup>+15</sup>]. **particles** [AHV<sup>+00</sup>, ADGA01, AGP05, BJB<sup>+06</sup>, CB97, CGR<sup>+96</sup>, DD95, FBS94, FBL<sup>+98</sup>, HFD<sup>+23</sup>, HDCM95, KGKS20, Kaw02, KHH<sup>+17</sup>, LBV<sup>+08</sup>, LL95, LPA<sup>+95</sup>, OMY<sup>+03</sup>, OL15, PA95, RCW<sup>+15</sup>, RL97, SSH<sup>+02</sup>, SNIT02, SHR02, SAL95, SCM<sup>+09</sup>, TA01, WSB08, YA03]. **particular** [EMEP18, vFvdBB<sup>+02</sup>]. **Particulate** [ATD<sup>+11</sup>, BGS98, DSO<sup>+97</sup>, DC96, GOP<sup>+01</sup>, LQF<sup>+02</sup>, LMB<sup>+98</sup>, LPW<sup>+09</sup>, PRMM<sup>+17</sup>, SCM<sup>+09</sup>, TTLP06, YHL<sup>+12</sup>, ABD<sup>+13</sup>, ACH02, ANI09, ASN<sup>+02</sup>, BS03, BHMC05, BBDL98, BA94, BSP00, BAH<sup>+95</sup>, BBA<sup>+98</sup>, BBA<sup>+01</sup>, CHPS00, CTGD08, CMB<sup>+97</sup>, CM99a, CMB99, CCZ<sup>+21</sup>, CCC<sup>+03</sup>, ÇYFB<sup>+06</sup>, ÇYAYT06, CLPL<sup>+09</sup>, Cri95, DURP03, DB05, DJS<sup>+08</sup>, DRR17, DGB<sup>+98</sup>, EAS<sup>+09</sup>, FCG18, FA02, FCP99, GRS00, GRC<sup>+03</sup>, GCN<sup>+97</sup>, GZZC10, HLG<sup>+21</sup>, Hat02a, HK01, HHP<sup>+96</sup>, HAP03, HIN<sup>+02</sup>, HWC07, HD02, IOK03, JDS<sup>+08</sup>, KW03, KR95, KLY<sup>+15</sup>, KHL<sup>+16</sup>, KVB<sup>+09</sup>, LBR<sup>+11</sup>, LGC<sup>+12</sup>, LKH<sup>+07</sup>, LCE<sup>+23</sup>, MPV<sup>+11</sup>, MHA<sup>+01</sup>, MBK97, MTMK<sup>+13</sup>, MGC<sup>+14</sup>, MES97, MLK<sup>+12</sup>, MSTT07, MYN<sup>+96</sup>, NOT<sup>+09</sup>, PMJW10, Pfa93, PBNF<sup>+16</sup>, PDY20, QB02, RLP<sup>+98</sup>, RRWR08, ROL<sup>+15</sup>, RSB<sup>+15</sup>, RHB<sup>+95</sup>, RMPI<sup>+17</sup>, RBH<sup>+20</sup>, SBD05, SSL98, SZG<sup>+13</sup>, SBN<sup>+15</sup>, SBA<sup>+20</sup>, SP00, SAM96, TRM<sup>+15</sup>, VKGP<sup>+11</sup>]. **particulate** [VvdLS11, VAK<sup>+09</sup>, WBM96, WC02, WCWW99, YOI<sup>+09</sup>, ZCG<sup>+12</sup>, ZWQ<sup>+19</sup>, dMCNC99, vdMLB<sup>+11</sup>]. **particulates** [BSB<sup>+99</sup>]. **partition** [BSR<sup>+18</sup>]. **Partitioning** [FCW<sup>+15</sup>, HAD19, CAGL13, CDRB16, LZM<sup>+13</sup>, MDTS11b, TR02, Pap05a]. **partly** [HAC<sup>+14</sup>]. **Parvaplustridae** [CSE<sup>+22</sup>]. **Parvaplustrum** [CSE<sup>+22</sup>]. **Pass** [SRN02]. **Passage** [LRR<sup>+04</sup>, MBS<sup>+13</sup>, PZT<sup>+19</sup>, SWO10, NMW<sup>+09</sup>, PP20, SSB<sup>+06</sup>, WBI<sup>+01</sup>, BPRS11, BCH<sup>+19</sup>, ECD<sup>+17</sup>, FGH<sup>+13a</sup>, FGH<sup>+13b</sup>, GARVK04, HMS<sup>+13</sup>, HSH<sup>+13</sup>, JCM<sup>+13</sup>, MRB<sup>+14</sup>, MLS<sup>+15</sup>, PRB<sup>+11</sup>, RPS<sup>+11</sup>, SAM<sup>+13</sup>, SGP<sup>+11</sup>, VPK<sup>+19</sup>, VvdLS11, ZZM<sup>+13</sup>]. **passages** [SPH<sup>+03</sup>]. **Passive** [DME<sup>+18</sup>, HS93, MGJ<sup>+18</sup>, SO98, ŠH11b]. **Past** [LAGK<sup>+18</sup>, AKK<sup>+14</sup>, CAFK03a, FC15, GNT<sup>+17</sup>, HTTS12, HTK<sup>+10</sup>, LLH<sup>+15</sup>, PS05, RBB<sup>+97</sup>, SIA<sup>+05</sup>, Sig17]. **Pasternak** [BPKJ15]. **Patagonia**

[PRP15, FSCC07]. **patagonica** [SGB14]. **Patch**  
 [LCS<sup>+06</sup>, LML<sup>+01</sup>, SLW98, TWN<sup>+06</sup>, TNS<sup>+09</sup>]. **Patchiness**  
 [LEP14, GWP<sup>+98a</sup>, RPB02, WT14]. **patchy** [LW04, NSBL94]. **Path**  
 [BRL<sup>+03</sup>, BSX<sup>+15</sup>, CRMI18]. **pathway** [MC12]. **Pathways**  
 [GF07, SP19b, CRP<sup>+05</sup>, DCA09, DFD<sup>+11</sup>, DMW<sup>+07</sup>, GLBB11, GHÖ<sup>+13</sup>,  
 HRT14, HCG19, HPK<sup>+97</sup>, Jen03, LGB13, MSF<sup>+22</sup>, MMTT<sup>+20</sup>, MD14,  
 Men23, MTWH04, PJC19, PHDK11, SM23, TP99, WWHT20, vBBR<sup>+08</sup>].  
**Patinigera** [GWDP11]. **pattern**  
 [DN97, HV98, MLW<sup>+01</sup>, MSM<sup>+02</sup>, RMCAR06, XSM<sup>+19</sup>]. **Patterns**  
 [Bak98, BL99, BHSJ16, CDRA08, CRI18, GDAMS19, HEV<sup>+10</sup>, HNCW23,  
 HSSN08, MDH16, MSK<sup>+19</sup>, PCT18, RMD<sup>+12</sup>, RS15, RQM<sup>+08</sup>, SVJ<sup>+08</sup>,  
 VLK06, AGS<sup>+02</sup>, AST07, AKM<sup>+05</sup>, ACR<sup>+20</sup>, BPD<sup>+11</sup>, BLM13, BB09,  
 BMK05, BMH08, BFA<sup>+08</sup>, BFT10, BE18, BSN18, BMB<sup>+18</sup>, BDG<sup>+04</sup>, BE09,  
 BSW<sup>+13</sup>, CBBM12, Car10, CD09, CLC<sup>+20</sup>, CSF<sup>+12</sup>, CG18, CL09, CWE<sup>+17</sup>,  
 DCC<sup>+13</sup>, DLR11, DB97a, Die07, DAN23, EFW<sup>+14</sup>, ESDM13, FEB<sup>+13</sup>,  
 FCBD08, FHT<sup>+14</sup>, FCP99, GMR<sup>+09</sup>, GRS00, GGTMG<sup>+10</sup>, GQ09, GMC97,  
 GFPM02, HWM02, HCWW01, HdMR<sup>+99</sup>, HC05, HKP10, HZ19, HNRGL06,  
 HCG<sup>+03</sup>, HPM02, IGN<sup>+10</sup>, JHHK14, KOM17, KFG<sup>+03</sup>, LBC<sup>+98</sup>, LAMS<sup>+01</sup>,  
 LN05, LL14, LPL<sup>+20</sup>, MKKB14, MC05, MPH<sup>+05</sup>, MKRY01, MO96, MBB<sup>+14</sup>,  
 MCD<sup>+09</sup>, MWW<sup>+05</sup>, MDGF01, MBC<sup>+09b</sup>, NLHB01, NKA<sup>+11</sup>, OHK<sup>+02</sup>,  
 OB22b, OBA02, Pal04, PWD<sup>+11</sup>, PHE<sup>+18</sup>, PCY<sup>+13</sup>, PMGH01, PB08].  
**patterns** [PC98, PCAS05, PZP93, PTWM12, RTFB09, RH14, RE98,  
 RJDR06, SMV<sup>+03</sup>, SMZ<sup>+08</sup>, SBM16, SLdB<sup>+15</sup>, SWL<sup>+18</sup>, SE07, SFV<sup>+98</sup>,  
 SBSH99, SW01, SBP13, SZV<sup>+19</sup>, STD<sup>+20</sup>, SDKH03, SCD<sup>+22</sup>, SMS20, SN00,  
 SMLS02, TLSW15, TS03, TT17, Wat09, WGG98, WPFB11, WPB11, Yal01].  
**Paul** [FBB<sup>+13</sup>, Row13]. **Paulo** [GNT<sup>+17</sup>, MAR<sup>+17</sup>, NMN<sup>+17</sup>]. **Paz**  
 [ONSSVGR04, SVJRSON04]. **Pb** [STWW01, AFB<sup>+94</sup>, BBB94, CMG<sup>+12</sup>,  
 CCZ<sup>+21</sup>, CCC<sup>+03</sup>, GNT<sup>+17</sup>, HBCC13, LMS09, MLG<sup>+04</sup>, NOT<sup>+09</sup>,  
 NESB<sup>+15</sup>, NZT97, OHT12, RH99, RSB<sup>+15</sup>, SKC99, SSL98, SRF95,  
 VMM<sup>+08</sup>, VMGO<sup>+09</sup>, WCL<sup>+15a</sup>, YA03, YCT<sup>+22</sup>, ZGW<sup>+23</sup>]. **PCBs**  
 [GSK96, HKY<sup>+13</sup>, TRF<sup>+97</sup>]. **pCO**  
 [CSW<sup>+18</sup>, DCF<sup>+11</sup>, ITMG18, MLS<sup>+15</sup>, RWL<sup>+93</sup>, TSW<sup>+09</sup>, TLP<sup>+12</sup>]. **PCR**  
 [EPK<sup>+10</sup>, GDD<sup>+09</sup>, PBG<sup>+10</sup>]. **PCR-based** [GDD<sup>+09</sup>, PBG<sup>+10</sup>]. **peaks**  
 [MSF<sup>+22</sup>]. **Peanut** [MA13]. **Pearce** [Ano19]. **Pearl**  
 [MWS<sup>+15</sup>, KSDE16, LG15, YZZ<sup>+19</sup>, ZZY<sup>+19</sup>, ZG15]. **Pearlsides** [RBS17a].  
**Peck** [BJF16]. **pectinid** [BCVCHW04]. **Pectinidae** [SGB14].  
**Pedinophyceae** [TB98]. **Pedro** [MML06]. **Pelagic**  
 [DT08, HLA<sup>+06</sup>, JLY<sup>+16</sup>, JWC<sup>+01</sup>, MPJ<sup>+13</sup>, OTH05, RMC<sup>+08</sup>, RAB<sup>+17</sup>,  
 Rog17, SWGPK17, TRH<sup>+08</sup>, ADRS19, AGD96, BDBB07, BMK05, BSRB17,  
 BSB<sup>+99</sup>, BEB11, BW14, BHC<sup>+17</sup>, CHG20, CA06b, CBS<sup>+01</sup>, CMC11,  
 CSGV13, CSG<sup>+13</sup>, CDT11, DTWF17, DLWW23, DM16b, DLB02, DB02,  
 DBBWH20, DGS<sup>+05</sup>, GHM02, HIK<sup>+08</sup>, HSM<sup>+01a</sup>, HKAM12, HYMD11,  
 HBC<sup>+15</sup>, HCWH00, HBC<sup>+12</sup>, HSW<sup>+02</sup>, HAM<sup>+15</sup>, HA96, JYM<sup>+15</sup>,  
 JRGLJ<sup>+19</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, LTF<sup>+19</sup>, LO03, LDG<sup>+23</sup>, LWB<sup>+20</sup>,

LCT<sup>+07b</sup>, LL13, LTS<sup>+13</sup>, LFKF<sup>+17</sup>, LV17, MCL<sup>+19</sup>, MKKB14, MHO02, MWT<sup>+17</sup>, MR08, NSLAP<sup>+17</sup>, NKB<sup>+18</sup>, ŃB04, OYK15, PLS<sup>+10</sup>, PDH<sup>+11</sup>, PH17, PGFP<sup>+08</sup>, Phi17, PUB<sup>+06</sup>, PBMM14, RMA<sup>+20</sup>, RT20, RAL04, RHPR15, Rod13, SVB<sup>+19</sup>, SVR<sup>+00</sup>, SMD06, SHM<sup>+01</sup>, SPH<sup>+08</sup>, SWMB10, SLB13b, TSW<sup>+12</sup>, TPW<sup>+16</sup>, TVL<sup>+00</sup>, TLP<sup>+19</sup>, VJP<sup>+10</sup>, VRL<sup>+02</sup>, VS99, VSR<sup>+00</sup>, WNHF<sup>+15</sup>, WZB<sup>+14</sup>, YCA<sup>+20</sup>. **pelagic** [YOR13]. **pelagica** [HPN<sup>+12</sup>]. **pelagicus** [TTA<sup>+16</sup>]. **pelago** [CB18]. **pelago-benthic** [CB18]. **pelagobenthic** [CCBL14]. **Pelagos** [LPA<sup>+17</sup>, PMF<sup>+17</sup>]. **PELAGRA** [SLS<sup>+07</sup>]. **pelamis** [AKK<sup>+17</sup>]. **pellet** [GS08, WSB08]. **pellets** [ASF<sup>+12</sup>, DURP03, IPH<sup>+17</sup>, LSUB94, TGG<sup>+09</sup>]. **pellicle** [BFG<sup>+10</sup>]. **Penetrating** [HLZY10, YLH<sup>+10</sup>]. **Penetration** [PPRHLF02, YFL<sup>+23</sup>]. **Penghu** [JC03]. **penguin** [CHPF10, CWEHT22, NCR<sup>+08</sup>, WLR<sup>+00</sup>]. **penguins** [BHB<sup>+07</sup>, CWEHT22, ERPF11, FHvFM08, PCL22, RCKCK07]. **Peninsula** [ECM<sup>+06</sup>, KHB<sup>+04</sup>, MBOvL08, RVZ02, VFS02, WAL<sup>+11</sup>, AMJRD19, SSP14, AE02, AAMF<sup>+02</sup>, AHV<sup>+17</sup>, ARW<sup>+04</sup>, ADG<sup>+08</sup>, BLBW<sup>+11</sup>, BLO04, BPM18, BoI08, BSR<sup>+18</sup>, BLO<sup>+17</sup>, BFF<sup>+10</sup>, BMG<sup>+17</sup>, BBB13, BCF<sup>+04</sup>, CAMA<sup>+02</sup>, CHM<sup>+17</sup>, CKY23a, CKY23b, CWFP94, CKH<sup>+08</sup>, DSB<sup>+18</sup>, Dal04, DK04, DKS11, DT08, DZ08, DFK<sup>+06</sup>, Duc08, DEK<sup>+08</sup>, ERPF11, ECD<sup>+17</sup>, ECS<sup>+17</sup>, FCG18, FA02, FJF<sup>+11</sup>, GHM18, GP08, GSM<sup>+08</sup>, GWDP11, HBT<sup>+08</sup>, HTA<sup>+17</sup>, HWCT08, HHP04, HBO11, ITMG18, JBS<sup>+13</sup>, JCM<sup>+13</sup>, JFM<sup>+17</sup>, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, KMMS18, LWA<sup>+04</sup>, LWSA08, LWAS08, LBM<sup>+17</sup>, LAGK<sup>+18</sup>, MDH08, MDTS11a, MDTS11b, MSI<sup>+08</sup>, MTK<sup>+18</sup>, MBW<sup>+08</sup>, MSV<sup>+17</sup>, MSvL17, MSJS08, MHVM<sup>+08</sup>, MdSLH13, PDT11a, PG18, PHDK11, PHS<sup>+17b</sup>, RQNO04, RQM<sup>+08</sup>, SSWM18, SBM<sup>+18</sup>, SPEPS18, ŠHW<sup>+04</sup>, ŠH11b, SK02, SMS<sup>+08</sup>, SMD08, SMSI08, SBS<sup>+08</sup>, TCM<sup>+04</sup>, VGBGPA02, VMB17, VMI<sup>+08</sup>]. **Peninsula** [WMB<sup>+08</sup>, YKY<sup>+07</sup>, dCHdOF<sup>+18</sup>, vWMR<sup>+17</sup>, vGFGS02]. **peptides** [PRC<sup>+09</sup>]. **peracarid** [AFC<sup>+17</sup>, GBPB<sup>+13</sup>, WPB11]. **Peracarida** [BPBJ13, BCB07, MS11, RHW04, BSCE15, LMS15]. **Peragallo** [FHR<sup>+14</sup>]. **perch** [CM16a, CM16b, SCH<sup>+19b</sup>]. **perennially** [KSM<sup>+11</sup>]. **perform** [KKH<sup>+02</sup>]. **performance** [GGAMV<sup>+23</sup>, NCR<sup>+08</sup>, WJR<sup>+16</sup>, WPAP01]. **period** [BZMC20, CSS<sup>+22a</sup>, DC06, GGRJD<sup>+10</sup>, JDL<sup>+12</sup>, PPZ93, RSR05, RDBP14, RP18, SRC98, WO99, WJR<sup>+16</sup>, Wei99]. **periodic** [KJB<sup>+08</sup>]. **periodicity** [TLKT00]. **periods** [BSM01a, Dri09, GBI10, ITMG18, RSF<sup>+99</sup>, vdLBB<sup>+02</sup>]. **peripheral** [SCD<sup>+22</sup>]. **periphery** [LPJ<sup>+19</sup>]. **Peritrich** [KBR18]. **permeable** [RTFB09]. **Persian** [PPR07]. **permitting** [RLH<sup>+03</sup>]. **Pérouse** [MAN<sup>+20</sup>]. **peroxide** [WWcW<sup>+15</sup>, YS01]. **Persian** [PSAY20]. **Persistence** [BGS09, GS06a, WTCB09, GPMS<sup>+16</sup>, OS02, PLGCL09]. **persistent** [Bre93, LMH<sup>+18</sup>, dJMTGG11, SBHS20, SKR<sup>+12</sup>, WBA03, YNG<sup>+16</sup>, YSC<sup>+20</sup>]. **persists** [MASVB<sup>+19</sup>]. **personatus** [SLLT10]. **Perspective** [SL15a, AM07, BPRS11, BLG11, BSR08, Car07, CNM17, HXF<sup>+23</sup>, Har96, HMA20, Jam18, JBC<sup>+21</sup>, KPPL00, LK11, LSWM22, MA09, PBFS06, RAF<sup>+11</sup>, VAT23]. **Perspectives** [ETDB11, HZWW16, ASBR17, Bak98, LTF<sup>+19</sup>, PH19, Phi17,



SMSI08, XGF18]. **perturbations** [SZH20, SL15b, ZMYS13]. **pertusa** [AHVB<sup>+</sup>17, BRB<sup>+</sup>13, BR14, HWK<sup>+</sup>14, JBJ17, LPPCF10, NOFP14]. **Peru** [AGAB19, Bor01, DVCG<sup>+</sup>12, DOLP<sup>+</sup>09, FKW01, GBO01, HKR<sup>+</sup>01, HMW00, KHL<sup>+</sup>01, Kos01, KFW01, LKTS01, LAMLB18, MvSHD01, MLG<sup>+</sup>04, SM01, STWW01, TMGLM19]. **Peruvian** [MGGM19, ÑB04]. **pesticides** [GSK96]. **Pete** [Ano18]. **Peter** [DCBS98, Lut15, SL15a]. **Petrogenesis** [SWB<sup>+</sup>18]. **petroleum** [BMB<sup>+</sup>18, LLG<sup>+</sup>16, TZ09]. **pH** [BBL<sup>+</sup>13, BTR95, CSW<sup>+</sup>18, CFT<sup>+</sup>04, CBB<sup>+</sup>95, GGCM17, TCH<sup>+</sup>16]. **Phaeocystis** [PMS<sup>+</sup>07, SDMC03, SLT<sup>+</sup>14]. **Phaeodaria** [PPC<sup>+</sup>07]. **Phase** [Ano06d, CL15, LWS21, SF10, SMP<sup>+</sup>15, WH98]. **phase-locking** [LWS21]. **Phased** [FVSRR14]. **phases** [FCW<sup>+</sup>15, NED09, STN<sup>+</sup>06]. **Phenology** [SAB08, DSC<sup>+</sup>19, NHCL14]. **phenomena** [BAC<sup>+</sup>02, BVGE<sup>+</sup>06]. **phenotype** [RHL<sup>+</sup>16]. **phenotypic** [Vri09]. **Philippine** [ODH<sup>+</sup>07, WPD22, YXZ<sup>+</sup>22]. **Philippines** [BRCFP23]. **phocid** [BZMC20]. **Phoebastria** [PWB<sup>+</sup>06]. **phosphatase** [KN97]. **phosphate** [DVS<sup>+</sup>97, FSK<sup>+</sup>05, GRSW00, LAW<sup>+</sup>05, PZK<sup>+</sup>05, RLD<sup>+</sup>15, Thi05]. **phosphate-addition** [FSK<sup>+</sup>05]. **phosphatic** [FSCC07]. **Phosphogenetic** [FSCC07]. **phospholipid** [EPPR09]. **phospholipid-derived** [EPPR09]. **Phosphoria** [PPR07]. **phosphorite** [WC07a]. **phosphorus** [BN05, DSD12, DJR<sup>+</sup>01, KBD<sup>+</sup>01, KWH<sup>+</sup>05, LGC<sup>+</sup>12, PBNF<sup>+</sup>16, RJWD01, WR15, YOI<sup>+</sup>09]. **photic** [SBA<sup>+</sup>20]. **photo** [Ano01b, LCT<sup>+</sup>07b]. **photo-adaptation** [LCT<sup>+</sup>07b]. **photoacclimation** [Arm06]. **Photoadaptation** [FM99]. **photoautotrophic** [YÇYTKB06]. **photochemistry** [BML<sup>+</sup>06, Hat02b]. **photodegradation** [CMC<sup>+</sup>02]. **photographic** [JLAD95, SBG<sup>+</sup>03]. **Photoidea** [BVL04]. **photophysiology** [DSB<sup>+</sup>18, MSH<sup>+</sup>07]. **photoproduction** [SUL<sup>+</sup>06]. **photoreduction** [ÖCB<sup>+</sup>04]. **Photosynthesis** [LAF<sup>+</sup>02, SFB16, TLR<sup>+</sup>00, Arm06, ER05, KKH<sup>+</sup>02, LBB95, SFR<sup>+</sup>06]. **Photosynthesis-irradiance** [TLR<sup>+</sup>00]. **Photosynthetic** [BGWF08, Pee97, SMM<sup>+</sup>06, AHGCNM<sup>+</sup>04, BA01, CAGL13, GdRGH<sup>+</sup>14, KFK06, LLB<sup>+</sup>00, LDWK96, SHH03, SSI<sup>+</sup>09, VSGM03a, VSGM03b]. **photosynthetically** [DNA97]. **phototaxis** [YLU<sup>+</sup>14]. **phototaxis-induced** [YLU<sup>+</sup>14]. **phototrophic** [DMC<sup>+</sup>01]. **Phototrophs** [TŠŠ<sup>+</sup>19]. **Phytoerythrin** [CP03, SW01, WLC99]. **Phytoerythrin-containing** [CP03, SW01, WLC99]. **Phyllocarida** [HRS<sup>+</sup>23]. **Phyllococida** [RRT<sup>+</sup>17, SRAL<sup>+</sup>17]. **Phylogenetic** [RDV<sup>+</sup>09, BCNS15, CNM17, FB14, MCLP04, QED<sup>+</sup>14, STB<sup>+</sup>17]. **phylogeny** [BV04, CRT<sup>+</sup>00, HSS<sup>+</sup>18, MCLP04, VPdP06]. **Phylogeography** [GWDP11, KMA<sup>+</sup>18, UFAK06]. **phylum** [MA13]. **physalus** [BRG17, ESWL20]. **Physical** [AST<sup>+</sup>05, ASB<sup>+</sup>02, ARF<sup>+</sup>13, BB09, BH15, BND<sup>+</sup>04, CCG04, CBSS02, DS21, DSN<sup>+</sup>10, DZY<sup>+</sup>01, DNK<sup>+</sup>08, DLF<sup>+</sup>09b, ELB<sup>+</sup>02, ERR97, EAF<sup>+</sup>17, HPL<sup>+</sup>12, HMAW11, HMA20, HCG<sup>+</sup>01, JCP17, JD08, KRG<sup>+</sup>01, KND<sup>+</sup>08, MDB98, MLG<sup>+</sup>02, NKD<sup>+</sup>08, PPF<sup>+</sup>15, PLR02, PGK14, RPB02, RD16, RJGBF02,

SMZ<sup>+08</sup>, SSG14, SLW98, TNS<sup>+09</sup>, TCH<sup>+16</sup>, VPP07, VPS97, WCMB06, WRZ<sup>+19</sup>, WCH05, WB96, ANS<sup>+11</sup>, AM02, BSG<sup>+11</sup>, BH14, BKP<sup>+20</sup>, BDL<sup>+22</sup>, BL99, BLSW05, BNM08, BvWR<sup>+20</sup>, Blu01, BCW03, BT98, CRF04, CBF01, CM03, CPC<sup>+03</sup>, Dan95, DPK<sup>+14</sup>, DP99, Dia04, DMS<sup>+98</sup>, DGN96, DLL<sup>+15</sup>, DGR19, Eck94, ESA<sup>+09</sup>, ECD<sup>+17</sup>, FDP<sup>+14</sup>, FC01, FHW06, Gre01, HNW<sup>+08</sup>, HV98, HLC<sup>+16</sup>, HKMS03, HBM<sup>+07</sup>, HPM02, HAD19, IBB<sup>+02</sup>, JCD<sup>+03</sup>, Joh19, KSBK01, LWLS98, LDG94, LL14, LCL<sup>+10</sup>, MPH<sup>+95</sup>, MGR<sup>+03a</sup>, MSI<sup>+08</sup>, MALT05, MGH<sup>+16</sup>, MKS<sup>+20</sup>].

**physical** [MAB<sup>+01</sup>, MSS15, MMC11a, MFE<sup>+02</sup>, PWTH15, PVK<sup>+20</sup>, PMJ20, PRA<sup>+95</sup>, RP17, RTM<sup>+20</sup>, RGS<sup>+15</sup>, SM00, SRC98, SBK08, SKGD14, SKSW02, SKM<sup>+08</sup>, SMSA05, SLP<sup>+17</sup>, TSWJ12, TLMT97, VGZ<sup>+19</sup>, VCG<sup>+20</sup>, WW99, WCH<sup>+93</sup>, WGR<sup>+95</sup>, WPJW96, WBBM01, WMC06, WAW05b, ZWK<sup>+15</sup>, ZXH<sup>+13</sup>, ZTZ09, Zim19, dCHdOF<sup>+18</sup>].

**physical-biogeochemical** [LCL<sup>+10</sup>]. **Physical-biological** [WB96, Eck94, TLMT97]. **Physical-chemical** [HMA20].

**physical/biogeochemical/radiative** [Gre01]. **Physically** [Bor01, Thi98, VT01]. **Physico** [MNG<sup>+11</sup>, GCR<sup>+02</sup>]. **physico-chemical** [GCR<sup>+02</sup>]. **Physico-ecobiogeochemistry** [MNG<sup>+11</sup>]. **Physics** [McP08, SBB<sup>+19</sup>, FdBGP11, Hin09, MAR<sup>+15</sup>, SS02, SFK<sup>+12</sup>, SBvdL<sup>+02</sup>, TBB<sup>+14</sup>].

**physiological** [CKL03, NOFP14, Pon07, ROC<sup>+21</sup>, VSD<sup>+97</sup>]. **physiology** [ELP13, SSI<sup>+09</sup>]. **phytobenthic** [CB97]. **Phytodetritus** [BS98, SHD<sup>+96</sup>, GRD<sup>+08</sup>, PSK00a, SMD08]. **Phytopigments** [FBBW<sup>+10</sup>, SWBKK10]. **Phytoplankton** [ADS<sup>+02</sup>, AHGCNM<sup>+04</sup>, APB<sup>+09</sup>, APP<sup>+14</sup>, BH99b, CD99, CVF11, CBS<sup>+96</sup>, CWTJ03, DOC01, FMO02, FHYI03, GBH<sup>+01</sup>, GSMB01, GCI<sup>+01</sup>, GGSC03, HWTP07, HMH<sup>+02</sup>, HHX<sup>+10</sup>, KLM<sup>+02</sup>, KNN<sup>+06</sup>, LST<sup>+11</sup>, LS14a, LWDH06, LJL<sup>+12</sup>, LBB95, LB98b, MPG<sup>+97</sup>, MBHN02, MSK<sup>+06</sup>, MJW<sup>+06</sup>, MSJ<sup>+06</sup>, MAB<sup>+01</sup>, MAT<sup>+12</sup>, MNV<sup>+20</sup>, MSH<sup>+07</sup>, MMMC07, NGS<sup>+15</sup>, NCE<sup>+23</sup>, OS02, PHH<sup>+06</sup>, PMS<sup>+07</sup>, PZK<sup>+05</sup>, RLVF02, RVZ02, SRHP23, SMB<sup>+13</sup>, SHGB95, SLMP07, SAM<sup>+13</sup>, SWDB<sup>+14</sup>, SBC17, SFP<sup>+09</sup>, TBEW99, VSGM03a, VSGM03b, VPA<sup>+20</sup>, WCC05, WT14, WvdE00, WvdEP<sup>+10</sup>, ARNB01, AHML95, AMvD<sup>+12</sup>, Arm03, ALvD12, ALR<sup>+14</sup>, BPD<sup>+11</sup>, BE00, BMGF93, BMCF97, BMC99, BLM<sup>+14</sup>, BSK<sup>+97</sup>, BS01, BO96, BCDV02, BA01, BHHM<sup>+12</sup>, BM07, BLC<sup>+02</sup>, BTUV08, BES95, BOP95, CTBNL08, CGM<sup>+07</sup>, CSW<sup>+17</sup>, CLSS15, CKJ<sup>+16</sup>, CMBPM04, CBC02, DSB<sup>+18</sup>, DD95, DDN<sup>+04</sup>, DRD06, DEL<sup>+17</sup>, DCA09].

**phytoplankton** [DNR20, DPS<sup>+11</sup>, DJR<sup>+01</sup>, DLL<sup>+15</sup>, DPY14, DKI<sup>+00</sup>, DB97b, DO96, DFMG01, ESK06, EGL<sup>+16</sup>, FAS<sup>+03a</sup>, FAS<sup>+03b</sup>, FSP<sup>+16</sup>, FCG<sup>+96</sup>, FJG<sup>+00</sup>, FWS94, FPB04, GAL<sup>+12</sup>, GAL<sup>+20</sup>, GTTKB14, GSB<sup>+23</sup>, GVW<sup>+19</sup>, GdRGH<sup>+14</sup>, GOGCDB18, GLW<sup>+97</sup>, HTD00, HOD<sup>+09</sup>, HVWH09, HTS<sup>+09</sup>, HDD<sup>+11</sup>, HS07, HLFP08, HCS05, HALV18, HPY<sup>+15</sup>, HK08, HWS<sup>+98b</sup>, HHNK<sup>+04</sup>, HKO<sup>+17</sup>, HXC<sup>+22</sup>, HKY<sup>+16</sup>, IF95, JMN<sup>+15</sup>, JS14, JCF<sup>+06b</sup>, JLR<sup>+13</sup>, JKP<sup>+17</sup>, JZ93, JPZ93, JCPC09, JLJ<sup>+12</sup>, JSP<sup>+17</sup>, KF95, KJL<sup>+17</sup>,

KKH<sup>+02</sup>, KAHS20, KYI10a, KYI10b, KLJ<sup>+16</sup>, KMDW01, KHC<sup>+09</sup>, KUN10, KIN<sup>+10</sup>, KMO<sup>+10</sup>, KWW04, KDG<sup>+97</sup>, KD00, KHL<sup>+17</sup>, LBMvdB14, LBC<sup>+98</sup>, LSB<sup>+02</sup>, LBR<sup>+08</sup>, LB98a, LSS<sup>+11</sup>, LPJ<sup>+16</sup>, LJJ<sup>+17</sup>, LMG93, LDHI93, LL95, LWSZ13, LYN<sup>+13</sup>, LKL<sup>+13</sup>, LLH<sup>+15</sup>, LHZJ13, LL14, LCT<sup>+07b</sup>, LXS<sup>+13</sup>, LZZ<sup>+16</sup>, LBGW97, LAF<sup>+02</sup>, LLM<sup>+02</sup>, LLM<sup>+03</sup>, LvDA14, LPM<sup>+15</sup>, LG15, LSS<sup>+07</sup>, LPPK14, MBHP99, MCPA02, MC02, MLG<sup>+02</sup>, MKT<sup>+15</sup>].

**phytoplankton** [MTK<sup>+18</sup>, MNSMN<sup>+04</sup>, MBL<sup>+15</sup>, MSS<sup>+02</sup>, MNPT06, MMT08, MHVM<sup>+08</sup>, MSTT07, MKS<sup>+02</sup>, NGS<sup>+20</sup>, NKF<sup>+10</sup>, NMK<sup>+20</sup>, NR06, NL11, NRS14, NSvH<sup>+11</sup>, NKB95, OCL<sup>+08</sup>, OHK<sup>+02</sup>, OE06, OSCS00, ORFA<sup>+14</sup>, OS04, ÖCB<sup>+04</sup>, PSA14, PWD<sup>+11</sup>, PLT<sup>+13</sup>, PKW07, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, Pee97, PHS<sup>+11a</sup>, PHS<sup>+11b</sup>, PHD<sup>+11</sup>, PVRA07, PW12, PABH07, RJM<sup>+15</sup>, RMCAR06, RBN<sup>+08</sup>, RHB<sup>+95</sup>, RJGBF02, RFLW00, RMK<sup>+14</sup>, STN<sup>+06</sup>, SLS<sup>+07</sup>, SMZ<sup>+08</sup>, SVC<sup>+08</sup>, SSI<sup>+99</sup>, SVD97, SAVP12, SRY04, SBQ<sup>+02</sup>, SLT<sup>+11</sup>, SOS01, SYS05, SSW05, SSE<sup>+14</sup>, SMHB00, SKK<sup>+16</sup>, SGM<sup>+14</sup>, SGM<sup>+02</sup>, SF08, SFB16, SP06, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, SSI<sup>+09</sup>, Sva96, THZ06, TS93, TPW07, TBW<sup>+11</sup>, TAL<sup>+12</sup>, TC06, TVLB08, TT01, URDP01, VH99, VFS02, VKGP<sup>+11</sup>, VPP07, VSC<sup>+11</sup>, WHF<sup>+19</sup>, WW04a, WGR<sup>+95</sup>, WJD<sup>+00a</sup>, WJD<sup>+00b</sup>, WDKC00, WLD<sup>+06</sup>, Wir94, WM99, WC06b, WW04b, Wya14, YOK<sup>+10</sup>, YOO<sup>+10</sup>]. **phytoplankton** [YHK15, YOI<sup>+09</sup>, YLK<sup>+15</sup>, YKJ<sup>+15</sup>, ZHD<sup>+08</sup>, ZOB<sup>+96</sup>, ZPT<sup>+13</sup>, ZAC<sup>+15</sup>, ZXH<sup>+13</sup>, ZHK<sup>+05</sup>].

**phytoplankton-derived** [BS01, SP06]. **Phytoplanktonic** [ME02, SLS<sup>+10</sup>, SWBKK10]. **Pico** [SF10, CAGL13, DB97a, DO96, STF09]. **Pico-** [SF10, CAGL13, DB97a, DO96, STF09]. **picocyanobacteria** [SW01]. **picoeukaryotic** [DHGO23, THZ06]. **Picophytoplankton** [BLB<sup>+99</sup>, BCO<sup>+96</sup>, HZL<sup>+12</sup>, LH01, LIS<sup>+02</sup>, PvRR18, WDG<sup>+02</sup>]. **Picoplankton** [RNR20, CP03, HCL<sup>+22</sup>, LKC96, LCT<sup>+07a</sup>, LLS<sup>+19</sup>, MGS<sup>+10</sup>, ZJH08, ZZX<sup>+13</sup>, ZZZ<sup>+16</sup>]. **picture** [MCH<sup>+13</sup>, SSUB15]. **Picturing** [HSZS17]. **Pigment** [BMGF93, BMCF97, HH93, MTBB00, SMS<sup>+08</sup>, ABKL96, BE00, BO96, ESK06, FHYI03, GCI<sup>+01</sup>, GdRGH<sup>+14</sup>, HTS<sup>+09</sup>, HPY<sup>+15</sup>, HS93, MAB<sup>+01</sup>, MAT<sup>+12</sup>, OE06, Pee97, RD97, RVZ02, SWDB<sup>+14</sup>, WDG<sup>+02</sup>, WvdE00, WvdEP<sup>+10</sup>, YOO<sup>+10</sup>, dBC<sup>+09</sup>]. **Pigmented** [LLS<sup>+19</sup>]. **pigments** [ALWW04, APB<sup>+09</sup>, BMC99, CCBL14, DPS<sup>+11</sup>, DNA97, LB98a, MCPA02, MKT<sup>+15</sup>, MR08, PLGCL09, PHH<sup>+06</sup>, RGHN<sup>+97</sup>, SMLS02, WC06b, WC09, WW04b]. **Piip** [BEZ<sup>+22</sup>, CSE<sup>+22</sup>, HRS<sup>+23</sup>, MG22, MFS<sup>+23</sup>, RKM<sup>+23b</sup>, SKS<sup>+23</sup>]. **pillars** [AHVB<sup>+17</sup>]. **pilot** [MMG98, TAB<sup>+16</sup>]. **Pine** [MAT<sup>+12</sup>, TAL<sup>+12</sup>]. **Pink** [FMC<sup>+20</sup>, ABC<sup>+05</sup>, CBA<sup>+05</sup>, MBC<sup>+09b</sup>, SMBL19, WBA<sup>+17</sup>]. **pinniped** [KRW03]. **pinnipeds** [CRF04, LWB<sup>+07</sup>]. **Pisces** [LCVV06, TTD13]. **Piscicolidae** [UC13]. **piscivores** [WTT<sup>+20</sup>]. **piscivorous** [BFSK08, BSR08, BSRM08, LTL<sup>+23</sup>, RMD<sup>+12</sup>, SBA18]. **piscivory** [GBP21]. **pitfalls** [BKST13]. **piúna** [KFS<sup>+17</sup>]. **place** [AAB<sup>+97</sup>, RDSA<sup>+21</sup>]. **place-based** [RDSA<sup>+21</sup>]. **Placopecten** [DVC14, TLW<sup>+94</sup>]. **plaigne** [DKP<sup>+14</sup>]. **Plain** [GMBL10, KBG<sup>+10</sup>, LBM10, SWBKK10, Ala15, BPPJ15, BSCE15, CAK15, DJ15, EBGCL08, Gol15, GC15, Kam15, KWPB15, MA15,

MMWM00, SA18, SC15, HLL<sup>+10</sup>, MLP<sup>+10</sup>, MZH<sup>+10</sup>, PLS<sup>+10</sup>, SRDV07].  
**plains** [SA15b]. **plane** [Abr19]. **planed** [WCK<sup>+18</sup>]. **planipes** [RAL04].  
**Planktic**  
[SBL<sup>+07</sup>, BCWT00, BS21, CB00b, MHG<sup>+04</sup>, SH00, SWZA02, WMW96].  
**planktivores** [WTT<sup>+20</sup>]. **planktivorous** [BFSK08, OM98]. **Plankton**  
[AMV<sup>+09</sup>, ADG<sup>+08</sup>, BDW<sup>+96</sup>, BWS<sup>+98</sup>, BL06, BLS<sup>+08</sup>, FSK<sup>+02</sup>, GS06b,  
LTW<sup>+22</sup>, LDFS93, MPH<sup>+95</sup>, NMWH19, PGS14, PBD<sup>+02</sup>, RIBW99,  
RWZ<sup>+02</sup>, SVS93, ZSZ<sup>+19</sup>, Ano97b, Arm03, ADGA01, AGP05, AMTE09,  
BLSW05, BC05, BOHW22, BKY<sup>+17</sup>, CAGL13, CMV<sup>+20</sup>, CD20, DGMS96,  
DPS<sup>+14</sup>, DSN<sup>+20</sup>, EB01, FPHH<sup>+09</sup>, FSG02, FG97, FC09, GDE<sup>+96</sup>,  
GOD<sup>+01</sup>, GSW<sup>+09</sup>, HAH<sup>+01</sup>, HWCT08, HNCW23, IGN<sup>+10</sup>, IHI<sup>+97</sup>,  
JCF<sup>+06a</sup>, JWS01, KBL01, KM98, LLR<sup>+06</sup>, LCD01, LW04, MY99, MP99,  
MBd05, OC00, PP93, PAVGBG02, PTD<sup>+14</sup>, PDE<sup>+16</sup>, STK02, SMV<sup>+03</sup>,  
SHI06, SPSM23, SFR<sup>+06</sup>, SRF<sup>+09a</sup>, SBB<sup>+19</sup>, TBB<sup>+11</sup>, VSD<sup>+97</sup>, VSV<sup>+97</sup>,  
WBM96, WMS<sup>+96</sup>, WBBM01, WBML06, YWI<sup>+02</sup>, PTD<sup>+14</sup>]. **Planktonic**  
[ABB<sup>+01</sup>, BHC<sup>+01</sup>, CSGC03b, HSH<sup>+13</sup>, Hus16, KTL<sup>+00</sup>, Ang10, AKHR<sup>+20</sup>,  
DP02, HSY08, JBOH10, KKNH02, LH07, MBH<sup>+96</sup>, MBC<sup>+09a</sup>, OT03,  
Qué13, QLU09, RVJG<sup>+02</sup>, RVJG<sup>+05</sup>, RJDR06, RPJ<sup>+06</sup>, SDMS06, WLZ<sup>+19</sup>,  
dLC<sup>+14</sup>]. **plant** [YERT13]. **Plastic** [FEB<sup>+15</sup>, HKY<sup>+13</sup>]. **plasticity**  
[NSvH<sup>+11</sup>, Vri09]. **Plata** [RDdL<sup>+13</sup>]. **Plate** [LRL<sup>+22</sup>]. **Plateau**  
[BSL08a, BQT08, Di 10, MAR<sup>+17</sup>, VPP07, ZLJ08, vBBR<sup>+08</sup>, BBE<sup>+13</sup>,  
Har11, NHD11, ACQ<sup>+08</sup>, ACBMQ08, BvWR<sup>+20</sup>, COV<sup>+08</sup>, JDS<sup>+08</sup>,  
JBM<sup>+08</sup>, MWK<sup>+20</sup>, MMT08, NMN<sup>+17</sup>, PFDG08, PRDF08, PVRA07,  
PMS<sup>+07</sup>, SMS<sup>+07</sup>, SLMP07, SCSMT20, VPSL15, WWHT20, ZDW<sup>+20</sup>].  
**plateaus** [MGT<sup>+20</sup>]. **platessoides** [DKP<sup>+14</sup>]. **Platform**  
[SWB<sup>+18</sup>, WKM<sup>+07a</sup>, AML<sup>+19</sup>, KJB<sup>+08</sup>, TFP<sup>+16</sup>]. **platforms**  
[Fed13, HMGD17, TWL<sup>+15</sup>]. **Plausible** [WCJ<sup>+11</sup>]. **Pleistocene**  
[AKI<sup>+16</sup>, CRM<sup>+16</sup>, FS07, Hus16, IKR<sup>+12</sup>, KOS<sup>+16</sup>, KKT16, Led93, MA05,  
PDBH03, TRO16, Zar16]. **Pleuragramma** [OMG<sup>+11</sup>]. **Pleurobrachia**  
[MCCM<sup>+98</sup>]. **Pleuroncodes** [RAL04]. **Pleuronectiformes** [TTD13]. **Plio**  
[BCA<sup>+03</sup>]. **Plio-Quaternary** [BCA<sup>+03</sup>]. **Pliocardiinae** [LVJC17].  
**Pliocene** [FSG02, Hus16, KOS<sup>+16</sup>, KKT16, LW15, TRO16, YK16]. **plume**  
[DWHM06, KCMA05, KCA05, SP19a, VT09, ZPG14, ZA16, HTML98].  
**plume-associated** [ZA16]. **plumes** [CBB<sup>+98</sup>, FBL<sup>+98</sup>, GOH<sup>+15</sup>, JBS<sup>+98</sup>,  
KLLO98, LAPL<sup>+16</sup>, MMHB98, MBF<sup>+98</sup>, OS04, Phi17, PSWF19, TH99].  
**PlumEx** [GJC98, SMY<sup>+98</sup>]. **plunderfishes** [LCVV06]. **plunge** [YKN07].  
**plutonium** [HAP03, HPK<sup>+97</sup>, LGP<sup>+03</sup>]. **Po**  
[?]Chen:2021:DIP,Verdeny:2009:PEO. **POC**  
[AT10, ALH<sup>+01</sup>, BDWG02, BHMK08, BCS99, CBB<sup>+00</sup>, DP07, FS02,  
GMR06, GGRW98, LCL<sup>+09</sup>, MGR03b, ME02, MKH<sup>+05</sup>, VMGO<sup>+09</sup>].  
**pockmark** [BNP<sup>+09</sup>, CBNR<sup>+09</sup>, OCG<sup>+09</sup>]. **pockmarks**  
[CSG<sup>+15</sup>, GPBV<sup>+07</sup>]. **pod** [OMAA18]. **pod-specific** [OMAA18]. **POGO**  
[TSDG13]. **point** [Osc01, CPM<sup>+18</sup>, CGR<sup>+00</sup>, RA98, VLK06]. **points**  
[HIA<sup>+16</sup>, MPH<sup>+16</sup>]. **poisoning** [ACK<sup>+14</sup>, BMH05, DCD<sup>+14</sup>, KAM<sup>+14</sup>].

**Polar**

[ARLB00, ARNB01, AS02a, AF01, BCVCHW04, BVB14a, BVB<sup>+</sup>14b, BHJ<sup>+</sup>14, CSW<sup>+</sup>17, CSP05, DURP03, DO01, DLB02, DSJ<sup>+</sup>11, GSK02, HPM02, JSSW14, LSB<sup>+</sup>02, MEB<sup>+</sup>23, MAB<sup>+</sup>01, MLBB14, PH17, PRMM<sup>+</sup>17, RTB02, RPZ<sup>+</sup>14, RFB97, SM00, SLA<sup>+</sup>01, SKMDR02, SGB<sup>+</sup>02, SBvdL<sup>+</sup>02, SWGPK17, SLB13b, TPS<sup>+</sup>15, URDP01, WMA11, WZB<sup>+</sup>14, vFvdBB<sup>+</sup>02, vdLBB<sup>+</sup>02, CSS<sup>+</sup>22b, EG0022, Fed13, JLTD11, JMN<sup>+</sup>15, NGS<sup>+</sup>20, ODR<sup>+</sup>09, PBB<sup>+</sup>13, RB JW16, SJD<sup>+</sup>11, TWA<sup>+</sup>12, TPW<sup>+</sup>16, TRHA01, TTL<sup>+</sup>16, WF13, BGDT11, BL01b, CEG<sup>+</sup>11, CHR97, DPS<sup>+</sup>11, ETDB11, FGW02, FS07, FBCN00, JDD<sup>+</sup>11, KMD<sup>+</sup>01, LBR<sup>+</sup>11, RGTV97, SHB14, TLK<sup>+</sup>02, WGWW11].

**Polarstern** [FdBGP11, Kyt02b, Kyt02c, RSD<sup>+</sup>97, SDB<sup>+</sup>97, SBvdL<sup>+</sup>02].

**Poleward** [SHKW05, KLM13, PSK<sup>+</sup>00b]. **Pollock**

[WWN<sup>+</sup>22, BCBB12, Blo02, BWC<sup>+</sup>02, BOKA16, CBSS02, CP02, DABF<sup>+</sup>16, EZB<sup>+</sup>20, EBG<sup>+</sup>22, EMB<sup>+</sup>22, GEP<sup>+</sup>16, GBP21, HSFN13, HPH<sup>+</sup>16, JHHK14, LSWH07, MES<sup>+</sup>23, MZH16, PHH<sup>+</sup>16, SHN<sup>+</sup>07, SHM13, SNS<sup>+</sup>16, SDAH<sup>+</sup>12, SSDA13, SCD<sup>+</sup>22, SHPM14, WCS07]. **pollutant** [PP95]. **pollutants** [dJMTGG11]. **Pollution** [LCW<sup>+</sup>07, CMP14, FEB<sup>+</sup>15, GGM<sup>+</sup>16, KKSA19].

**polybrominated** [CHW<sup>+</sup>12]. **Polychaeta** [Ala15, KEA<sup>+</sup>17, MHC<sup>+</sup>10, QRE<sup>+</sup>17, RRT<sup>+</sup>17, SE07, STB<sup>+</sup>17, VHM17, WS11]. **Polychaete** [Ala15, CBMM15, QNL<sup>+</sup>16, SBP13, Ala22, CDM23, DCH04, PWCL98, SPB<sup>+</sup>10].

**Polychaete-parasitizing** [CBMM15]. **Polychaetes**

[Hil04, Ala13, Ala18, GLMB18, LG00, LZM<sup>+</sup>13, NRSL17, PGF<sup>+</sup>09, WPSB11].

**Polychaetous** [OBKA17]. **Polycyclic** [HTPM14, HT17, LTS<sup>+</sup>97, WSS<sup>+</sup>08].

**polycystine** [WPJW96]. **Polymer** [VS10]. **polymetallic**

[AS01a, SSI19, TTU01]. **Polymorphism** [EG0022, EBG<sup>+</sup>22, MN10].

**polymorphisms** [BLBW<sup>+</sup>11, XSL<sup>+</sup>17]. **polynoid** [GLMB18]. **Polynoidae**

[STB<sup>+</sup>17]. **Polynya** [CCK<sup>+</sup>16, DFF02, HKY<sup>+</sup>16, KCY<sup>+</sup>16, CKJ<sup>+</sup>16,

JLY<sup>+</sup>16, LLK<sup>+</sup>16, LPJ<sup>+</sup>16, TLP<sup>+</sup>12, WZW<sup>+</sup>22, HBB03]. **Polynyas**

[TAL<sup>+</sup>12, ALvD12, MAT<sup>+</sup>12, WBA03]. **polysaccharide** [AZYT16, LZS<sup>+</sup>18].

**polysaccharides** [KMD<sup>+</sup>01]. **polyunsaturated** [Kha18]. **POM**

[BHMC05, GK02, PMJW10, SBN<sup>+</sup>15]. **Pompeii** [DCA<sup>+</sup>98]. **pompejana**

[DCA<sup>+</sup>98]. **pond** [PSA14]. **Pontinus** [CSM13b]. **pool** [KNG02, KIY<sup>+</sup>05,

LBD<sup>+</sup>02, SYT<sup>+</sup>10, VDS<sup>+</sup>20, WJS<sup>+</sup>10, BLG15, GdRGH<sup>+</sup>14]. **pools** [YOI<sup>+</sup>09].

**poor** [GEP<sup>+</sup>16]. **Poorly** [HB19, FM13, HBV19, HBVG20, HBVG22]. **pop**

[CFK15, WCK<sup>+</sup>18]. **pop-up** [CFK15, WCK<sup>+</sup>18]. **Population**

[BLBW<sup>+</sup>11, BTFB12, BTM<sup>+</sup>98, DHST13, KYI10b, LMLJ18, NKK<sup>+</sup>00,

RCCP13, TTD13, WMW<sup>+</sup>20, WT12, WZ14, YOO<sup>+</sup>10, BTC13, BK96b,

BAD<sup>+</sup>14, BSR08, CWSH20, CMH09, CRBK03, DKT<sup>+</sup>01, DQC14, DOC01,

EGMB13, EBM<sup>+</sup>18, ESAG10, HRG<sup>+</sup>16, HZL94, JLB<sup>+</sup>99, KAM<sup>+</sup>20, KL03,

LMDW06, MDTS11a, MWK<sup>+</sup>20, MGJ<sup>+</sup>18, PJLO<sup>+</sup>17, QRE<sup>+</sup>17, RJB<sup>+</sup>04,

RFF<sup>+</sup>02, SGI<sup>+</sup>19, SW08, SN00, WLT20, XSL<sup>+</sup>17]. **populations**

[BW04, CFGR07, CLL<sup>+</sup>03, CRT<sup>+</sup>00, EWBW99, FVSR14, FG07, GDD<sup>+</sup>09,

KCMA05, KCA05, KRW03, LKC96, LB98a, MTK05, MALT05, PHD<sup>+</sup>11,

PKA05, RHZ<sup>+</sup>03, SH00, SLHS20, SBSW07, SMB<sup>+</sup>18, TSP<sup>+</sup>18, TSSR20,

TLP<sup>+19</sup>, WBBM01, WBML06, YNG<sup>+16</sup>]. **Porcupine**  
 [SKdS<sup>+14</sup>, BRG17, GMBL10, HLL<sup>+10</sup>, KBG<sup>+10</sup>, LBM10, MLP<sup>+10</sup>,  
 MZH<sup>+10</sup>, PLS<sup>+10</sup>, RRL<sup>+14</sup>, SWBKK10]. **Pore**  
 [GRSW00, HKR<sup>+01</sup>, SHM<sup>+07</sup>, WKM<sup>+07a</sup>]. **Pore-water** [GRSW00].  
**Porewater** [WSB<sup>+09</sup>, HBT<sup>+08</sup>]. **Porifera** [GJ11, HRX17, JTT04, JT07].  
**porosity** [TGFE02]. **porpoise** [BvGH<sup>+17</sup>, MOA<sup>+18</sup>]. **porpoises** [ATM<sup>+07</sup>].  
**PORT** [LGK15, BS03, CRBK03, CKL03, KFG<sup>+03</sup>, KRW03, KL03, LT03,  
 RHZ<sup>+03</sup>, SGD<sup>+03</sup>]. **portal** [GDC11]. **Portimao** [BVGE<sup>+06</sup>]. **portion**  
 [GGAMV<sup>+23</sup>, SHY<sup>+08</sup>]. **portrait** [EMB<sup>+22</sup>]. **Portugal**  
 [CGPM13, PGPI<sup>+13</sup>, MT11, MTMH11]. **Portuguese**  
 [GdSP11, CPA<sup>+11</sup>, Gsds<sup>+14</sup>, KBI<sup>+11</sup>, SMR<sup>+06</sup>, dSJB<sup>+11</sup>]. **Portunidae**  
 [VAM97]. **POSEIDON**  
 [BSS<sup>+02</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, MMXS02, KFH01, SMS03]. **position**  
 [BCNS15, CCM<sup>+20</sup>, CNOC13, KME18, LGP<sup>+15</sup>, NRH<sup>+06</sup>]. **positioning**  
 [MMM<sup>+13</sup>, PKZ<sup>+19</sup>]. **positions** [RCKCK07]. **Possible** [BL06, CKB<sup>+07</sup>,  
 GEP<sup>+16</sup>, KSBK01, BW04, BMK05, HS98, JR11, LWS21, MRRG23,  
 OGBF08, PPRHLF02, Rod13, SRY04, SGC03, TMP<sup>+19</sup>, TD16, WPB11].  
**Post** [LB93, MTB09, BE18, GLCU<sup>+17</sup>, NLSL09, OGG<sup>+15</sup>, SMV<sup>+13</sup>].  
**Post-eruption** [MTB09, NLSL09]. **post-eruptive** [OGG<sup>+15</sup>]. **post-flexion**  
 [GLCU<sup>+17</sup>]. **Post-Miocene** [LB93]. **post-recruit** [SMV<sup>+13</sup>].  
**post-spawning** [BE18]. **postures** [EBG<sup>+11</sup>]. **Potential**  
 [BMS<sup>+18</sup>, CKB<sup>+07</sup>, DMFB19, DFY<sup>+23</sup>, DWM<sup>+15</sup>, ETD<sup>+11</sup>, GRD<sup>+08</sup>,  
 Gau07, HKY<sup>+13</sup>, LWJR22, PRORSV<sup>+19</sup>, XSL<sup>+17</sup>, ADE22, AELP14,  
 BRCFP23, BTR20, BSN<sup>+15</sup>, BSH<sup>+11</sup>, Car01, CEG<sup>+11</sup>, CDRB16, CPEN08,  
 DURP03, DJS<sup>+08</sup>, DWW<sup>+02</sup>, FJR<sup>+20</sup>, GSC<sup>+19</sup>, GPK02, HK07, HMHY11,  
 HCRX16, HPS<sup>+11</sup>, JEK<sup>+15</sup>, Kla97, KLM<sup>+02</sup>, KN97, LMG93, LFC16, MBG18,  
 MBC<sup>+09b</sup>, NSMBN08, OWD13, OT03, PPYN15, Pas18, SD06b, SRH<sup>+11</sup>,  
 SGC03, SSP<sup>+09</sup>, SMB<sup>+18</sup>, TBSP<sup>+18</sup>, WGST08, ZSKL19, ZdBB<sup>+07</sup>]. **power**  
 [MGK19]. **practices** [BC08]. **Prakash** [HBC<sup>+22</sup>]. **Prasinophyceae** [TB98].  
**Pre** [NLSL09, DG18, GLCU<sup>+17</sup>]. **Pre-** [NLSL09, GLCU<sup>+17</sup>]. **pre-monsoon**  
 [DG18]. **precautionary** [HWN<sup>+04</sup>]. **precipitation**  
 [KWF<sup>+19</sup>, SDL22, SMH<sup>+11</sup>]. **Precision**  
 [CBB<sup>+95</sup>, BKY<sup>+17</sup>, MCH<sup>+13</sup>, ZDW<sup>+20</sup>]. **preconditioning** [LGQ99].  
**Predation** [FPGH02, LCDS00, DFY<sup>+23</sup>, DKP<sup>+17</sup>, GMPSHA<sup>+13</sup>, LRR<sup>+04</sup>,  
 MHSV18, NA13, PB13, PHKW10, SSP14]. **predator**  
 [Ano06g, AHB<sup>+17</sup>, BOKA16, LTL<sup>+23</sup>, NSBL94, RSWG04, SMA<sup>+17</sup>, SJST13,  
 STS<sup>+15</sup>, UKM16, YSMW05, YKO15]. **predator/fisheries** [RSWG04].  
**predator/prey** [RSWG04]. **predators** [BHH<sup>+14</sup>, DLW<sup>+17</sup>, EAB<sup>+20</sup>,  
 FJF<sup>+11</sup>, HAE<sup>+15</sup>, HAE<sup>+17</sup>, HWCT08, JNBJ17, LLD<sup>+17</sup>, LPD<sup>+17</sup>, LTS<sup>+13</sup>,  
 MPJ<sup>+13</sup>, RCF<sup>+08</sup>, SKR<sup>+12</sup>, SM96b, SBG<sup>+06</sup>, VBM97, YHC<sup>+15</sup>].  
**predatory** [ABB<sup>+01</sup>, MBH<sup>+96</sup>, NSLAP<sup>+17</sup>]. **predict**  
 [MBG18, RDL<sup>+09</sup>, SM12]. **Predictability**  
 [CB16, BFH<sup>+23</sup>, LK11, WDR05, Wun13, YSWJ16]. **Predictable**  
 [PWB<sup>+06</sup>, LPA<sup>+95</sup>]. **predicted** [DLW<sup>+17</sup>, Jac95a]. **Predicting**

[MZD<sup>+</sup>11, POI<sup>+</sup>17, RDW<sup>+</sup>22, SRF<sup>+</sup>09a, VGD14, VLP<sup>+</sup>17, WTA<sup>+</sup>18, BJP<sup>+</sup>22, DW15b, SSB<sup>+</sup>07]. **Prediction** [BDBB07, CKY23a, CKY23b, GMCR18, GSM<sup>+</sup>20, MBd05, PFAZL09, ZWM12]. **predictions** [AHB<sup>+</sup>17, LVP<sup>+</sup>17, ZDP<sup>+</sup>16]. **Predictive** [GGAMV<sup>+</sup>23, PPM<sup>+</sup>17, OBWK01]. **predictor** [SAB08]. **Predictors** [HDK08]. **Predominance** [BKS<sup>+</sup>10]. **Preface** [AJ95, AMTT05, AMD<sup>+</sup>14, BRLB13, CH19, GML<sup>+</sup>10, LKP06, MMB06, PNLFS02, PNLF02, PNLFS03, Pov03, RB10, SD08, TJB05, TSZ10, TTL<sup>+</sup>16, WREC18, Whe97, vHSM04a, Mil94a, Won15, PNLFS03]. **preference** [CSA<sup>+</sup>09]. **preferences** [ADK<sup>+</sup>15, CP05, FRBB10, IUdV<sup>+</sup>12, LLD<sup>+</sup>17, LPD<sup>+</sup>17, LMLC<sup>+</sup>17, PTS17, SSSN19]. **preferential** [TYBY06]. **Preliminary** [Ala13, BBS<sup>+</sup>20, CB18, HZYZ10, KM15, LAÁ<sup>+</sup>14, LH06, TPP<sup>+</sup>20, BCA<sup>+</sup>03, FDR<sup>+</sup>18, HSC<sup>+</sup>07, NCK<sup>+</sup>22]. **Preparing** [RDL<sup>+</sup>09]. **prerequisites** [TY98]. **presence** [Blu93, GdRGH<sup>+</sup>14, MGJ<sup>+</sup>18, ÖCB<sup>+</sup>04, SMB<sup>+</sup>18, VGD14]. **presence-background** [VGD14]. **present** [BHS<sup>+</sup>10, HTTS12, HHMF11, Kos01, Sig17, WYOS18]. **Preservation** [STR<sup>+</sup>14, GRD<sup>+</sup>08, HZWW16, ID19, ILWH03, ZB00]. **preserved** [ACQ<sup>+</sup>08, SSAF02]. **pressure** [AFC<sup>+</sup>17, BCM02, Dan95, KRF01, LMG93, LAPL<sup>+</sup>16, OACA19, PW05, TGRB02, TGG<sup>+</sup>09, TY98, ŽSN<sup>+</sup>18, BY09]. **pressures** [CG07, TS13]. **Prestige** [CMP14]. **presumed** [NDD<sup>+</sup>14]. **Prevalent** [AHVB<sup>+</sup>17]. **previous** [EMG<sup>+</sup>15]. **Prey** [HDJP05, Ant10, BWC<sup>+</sup>02, BD06, BOKA16, CSA<sup>+</sup>09, CBK<sup>+</sup>07, CBA<sup>+</sup>05, EHK<sup>+</sup>20, FRH<sup>+</sup>98, KY17, KIM08, LTL<sup>+</sup>23, LTS<sup>+</sup>13, NYH<sup>+</sup>20, NSBL94, RSWG04, SMA<sup>+</sup>17, SKR<sup>+</sup>12, SVJ<sup>+</sup>08, SLLT10, STS<sup>+</sup>15, UKM16, ZFP<sup>+</sup>16]. **prey-predator** [LTL<sup>+</sup>23]. **preying** [GMD07]. **Pribilof** [BSR08, BSRM08, CRJ<sup>+</sup>08, CBSS02, FSK<sup>+</sup>02, HSSN08, JVDH08, Loh08, Mac08, MSMS08, MiSW08, PC08, RMD<sup>+</sup>12, SVJ<sup>+</sup>08, SKM<sup>+</sup>08, SKMS08]. **primarily** [OUJ<sup>+</sup>19]. **Primary** [BSL<sup>+</sup>96, BMB<sup>+</sup>01, CMT93, DNH<sup>+</sup>02, EBB<sup>+</sup>08, HMS<sup>+</sup>03, IHSS<sup>+</sup>10, KDG<sup>+</sup>97, KNC<sup>+</sup>09, LRV<sup>+</sup>02, MSJ<sup>+</sup>06, MPH<sup>+</sup>22, MBK08, OMS06, PMG<sup>+</sup>22, SCM<sup>+</sup>02, SHF<sup>+</sup>95, SGW<sup>+</sup>00, TAMTC<sup>+</sup>13, VMBS03, VMI<sup>+</sup>08, VSV<sup>+</sup>97, WGMW10, WGWW11, AHGCNM<sup>+</sup>04, Ano97c, AvD04, BRSIW95, BGKB06, CFS<sup>+</sup>06, CMG<sup>+</sup>11, CC03, DSB<sup>+</sup>18, DS21, DSC<sup>+</sup>01, FME<sup>+</sup>09, FRW00, FDM<sup>+</sup>97, GSMB01, GWWL03, Gra09, HC05, HKO<sup>+</sup>17, HNRGL06, INTS02, JEK<sup>+</sup>15, JBS<sup>+</sup>13, JDL<sup>+</sup>12, JPSB93, JSP<sup>+</sup>17, KCD<sup>+</sup>96, KNB11, KN05, LUV99, LLB<sup>+</sup>00, LMM<sup>+</sup>97, LMvDA16, LCT<sup>+</sup>07b, LCL<sup>+</sup>10, LZZ<sup>+</sup>16, LMC<sup>+</sup>12, LAF<sup>+</sup>02, LFHM97, MGR<sup>+</sup>03a, MDH<sup>+</sup>98, MFG<sup>+</sup>93, ML20, MAA<sup>+</sup>04, MAA<sup>+</sup>05, MLK<sup>+</sup>12, MBP09, NED09, OBWK01, OBM<sup>+</sup>93, PFC19, PC00, RCF<sup>+</sup>16, SBM16, SG99, SWO<sup>+</sup>01, SMHB00, SGB<sup>+</sup>02, SGP<sup>+</sup>02, SLB<sup>+</sup>15, Sva96, TSPH09, TPS<sup>+</sup>15, UWvdE<sup>+</sup>16, VFS02, VSSN96, VRL<sup>+</sup>02, WPG<sup>+</sup>07, WCRG95, WDM<sup>+</sup>05, WSL07, WAK<sup>+</sup>12, WCH05]. **primary** [WMM02, WWC<sup>+</sup>99, YKSI19, vRPD<sup>+</sup>18]. **PRIME** [SIBW01, WH01b, WPAP01, KFHR05, vHHH<sup>+</sup>11]. **PRIMI** [TAB<sup>+</sup>16].

**primitive** [TB98]. **Primnoa** [AELP14]. **Primnoella** [PB13]. **Primnoidae** [AL14]. **Prince** [Cam18, CBA<sup>+</sup>05, FPGH02, GKR<sup>+</sup>18, GFPM02, HPM02, LB18, LMH<sup>+</sup>18, MC18b, MOA<sup>+</sup>18, SNMH18]. **princeps** [CGD<sup>+</sup>15]. **principal** [WDMEL01]. **prions** [vFvdBB<sup>+</sup>02]. **prior** [YK16]. **Priorities** [MSvL17]. **prioritisation** [AH17]. **prioritization** [DLW<sup>+</sup>17]. **probability** [Pap05b]. **Probable** [LPMS09]. **probe** [MGT16]. **probes** [AKK<sup>+</sup>05, BFK<sup>+</sup>14]. **Probing** [TVLB08]. **Problem** [IPLCHRM19, BKS<sup>+</sup>16, HZL94]. **problems** [Joh19]. **procedures** [SS05a, SS05b]. **Proceedings** [MDLvW14, Ano07c, HD07, PTP09]. **Process** [LMB<sup>+</sup>98, MCG<sup>+</sup>98, MJG95, SMBM99, BKM07, BJP<sup>+</sup>22, CFKS05, CFS09, CMC<sup>+</sup>02, LBM10]. **process-based** [BJP<sup>+</sup>22]. **process-oriented** [BKM07]. **Processes** [Ano05c, BN05, BCM02, CMRL11, GHGMI05, HB03, KMLT06, LL00, MKVT<sup>+</sup>04, PVT<sup>+</sup>21, RMC<sup>+</sup>08, RH94, WMM02, AGL<sup>+</sup>19, AGN<sup>+</sup>02, AM02, BFL<sup>+</sup>20, BB09, BGOL01, Bis94, BFF94, BASLK04, BE09, BEB11, BW14, CWSH20, CMG<sup>+</sup>12, CCS<sup>+</sup>16, CL09, DRD06, DBD03, DDB<sup>+</sup>17, DCR94, Dia04, DBDT03, DFK<sup>+</sup>06, DGS<sup>+</sup>05, DJC<sup>+</sup>14, ES04, EWA<sup>+</sup>03a, EWA<sup>+</sup>03b, FGH<sup>+</sup>13a, GBH<sup>+</sup>01, GSMB01, Gar04, GBP00, GF07, Gre04, HKR<sup>+</sup>01, HRM<sup>+</sup>06, HDF<sup>+</sup>01, HSO04, HSM<sup>+</sup>01a, Hin09, IBB<sup>+</sup>02, KM05a, KWA<sup>+</sup>20, KHL<sup>+</sup>15, KMO09, KSB<sup>+</sup>03, LWLS98, LBM<sup>+</sup>17, LBD<sup>+</sup>22, Lin16, LL14, LPSS03, Liv95, LSA14, LWGS00, MC05, MSK<sup>+</sup>06, MJW<sup>+</sup>06, MSJ<sup>+</sup>06, MMS<sup>+</sup>16, MHdS<sup>+</sup>11, MBS<sup>+</sup>13, MGH<sup>+</sup>16, MSGO18, NTA<sup>+</sup>10, OHT12, OGBF08, OBH<sup>+</sup>19, OAH<sup>+</sup>16, OGG<sup>+</sup>20, PTD<sup>+</sup>17, PMJ20, PN93, RÇG18, SCM<sup>+</sup>02, SSG14, SIS<sup>+</sup>02, SRF95, SKM01, STM04a, STM04b, SBD<sup>+</sup>97, SNFK20, SDMS06]. **processes** [SWGPK17, SD22, TSZT13, TKF16, TAB<sup>+</sup>05, UIS<sup>+</sup>03, WPD22, WDD<sup>+</sup>22, WCH05, ZTZ09, vFvdBB<sup>+</sup>02, vHSM04b]. **processes-induced** [WDD<sup>+</sup>22]. **processing** [BFM<sup>+</sup>14, CLPL<sup>+</sup>09]. **Prochaetoderma** [SI09]. **Prochaetodermatidae** [SI09]. **Prochlorococcus** [JLB<sup>+</sup>99, LCL<sup>+</sup>98]. **produced** [OCL<sup>+</sup>08, OBRJ01]. **producer** [OMS06]. **producers** [NED09]. **producing** [JS14, MFH04]. **Product** [Ano99n, MDI<sup>+</sup>12]. **Production** [CB97, CK03, CWdE99, DOB<sup>+</sup>01, HTS<sup>+</sup>09, PDE<sup>+</sup>16, AHGCNM<sup>+</sup>04, Ano97c, AvD04, AMN<sup>+</sup>02b, AM02, AMK<sup>+</sup>05, BTB<sup>+</sup>08, BLSW05, BBH05, BH99a, BDO00, BCDV02, BFML<sup>+</sup>08, BRSlW95, BGKB06, BZvHH00, BBV00, BLB<sup>+</sup>99, BLC<sup>+</sup>02, BBD<sup>+</sup>03, BT15, CRD01, CFS<sup>+</sup>06, CEG<sup>+</sup>11, CC03, Che03, CCW<sup>+</sup>08, CCZ<sup>+</sup>21, CMT93, CCK<sup>+</sup>16, CMB12, CJM<sup>+</sup>22, DSB<sup>+</sup>18, DS21, DCL<sup>+</sup>09, DCA09, DSO<sup>+</sup>97, DBN<sup>+</sup>11, DO01, DCK01, Duc93, DDK<sup>+</sup>00, DWHM06, DCF<sup>+</sup>11, DSJ<sup>+</sup>11, EBB<sup>+</sup>08, ECS<sup>+</sup>17, FAS<sup>+</sup>03a, FAS<sup>+</sup>03b, FME<sup>+</sup>09, FRW00, FPB04, GSMB01, GWR93, GBP00, GSW<sup>+</sup>09, GSGS01, GWWL03, GVD<sup>+</sup>97, GLW<sup>+</sup>97, Gra09, GCB04, GFW07, Hat02a, dITGCAB<sup>+</sup>03, HGAB04, HC05, HALV18, HDCM95, HK10, HKO<sup>+</sup>17, HdBB<sup>+</sup>02, HNRGL06, HRG<sup>+</sup>16, HKY<sup>+</sup>16, IIM02, JLTD11, JDL<sup>+</sup>12, JWC<sup>+</sup>01, JSP<sup>+</sup>17, JAM<sup>+</sup>14, KCD<sup>+</sup>96, KNG02, KPPL00, KKK<sup>+</sup>17, KRB95, KHC<sup>+</sup>09, KLM<sup>+</sup>02, KEPZ93, KNB11]. **production** [KLD21, KDG<sup>+</sup>97, KC00, LUV99, LST<sup>+</sup>11, LHD<sup>+</sup>22, LLB<sup>+</sup>00, LQF<sup>+</sup>02,



LPJ<sup>+16</sup>, LMM<sup>+97</sup>, LMvDA16, LDHI93, LZS<sup>+18</sup>, LCL<sup>+98</sup>, LKH<sup>+07</sup>, LCT<sup>+07b</sup>, LZZ<sup>+16</sup>, LBGW97, LRV<sup>+02</sup>, LMC<sup>+12</sup>, LAF<sup>+02</sup>, LFHM97, MDH<sup>+98</sup>, MDH08, MFG<sup>+93</sup>, MC02, MBHB09, MBK08, MGNB96, MPC99, MNB02, ML20, ME02, MBP09, MCL<sup>+12</sup>, MQD06, MLS<sup>+15</sup>, NISG05, NL11, NW01, NPA<sup>+22</sup>, OBWK01, Osc01, OBM<sup>+93</sup>, PAVGBG02, PFC19, PC00, PC08, PCAS05, PKZ93, PMG<sup>+22</sup>, PDS00, PGK14, QB02, RBJW16, RGS<sup>+97</sup>, RHD<sup>+18</sup>, RIBW99, RSW<sup>+00</sup>, RAL<sup>+01</sup>, RCF<sup>+16</sup>, RPJ<sup>+06</sup>, SCM<sup>+02</sup>, SM00, Sam01, SMV<sup>+03</sup>, SMS<sup>+07</sup>, SHGB95, SG99, SLT<sup>+11</sup>, SFW08, SFR<sup>+06</sup>, SRF<sup>+09a</sup>, SBSH99, SGC03, SRF95, SWO<sup>+01</sup>, SNS<sup>+16</sup>, SNB02, SSP<sup>+06</sup>, SR08b, SKK<sup>+16</sup>, SBH<sup>+02</sup>, SVS<sup>+20</sup>, SMG<sup>+07</sup>, SD96, SZS<sup>+07</sup>, SAB<sup>+07</sup>, SGB<sup>+02</sup>, SGP<sup>+02</sup>, SFB16, SNW08, Sva96, SHC<sup>+00</sup>, TAMTC<sup>+13</sup>, TGRB02, TSPH09, TGFP02, TLK<sup>+02</sup>]. **production** [VFS02, VSSN96, VRL<sup>+02</sup>, VMI<sup>+08</sup>, VSV<sup>+97</sup>, WPG<sup>+07</sup>, WCRG95, WDM<sup>+05</sup>, WCMB06, WB01, WT12, WGWW11, WAK<sup>+12</sup>, WWN<sup>+02</sup>, YOO<sup>+10</sup>, YCYTKB06, Zel01, ZXLL10, ZJA16, ZT00, Zon07, MPH<sup>+22</sup>].

**productive** [AE02, CAMA<sup>+02</sup>, HPS<sup>+13</sup>, JSP<sup>+17</sup>, KCY<sup>+16</sup>, MAA<sup>+04</sup>, MAA<sup>+05</sup>, SSE<sup>+14</sup>].

**Productivity** [Ake19, FLMF07, JZ93, JPZ93, OTA<sup>+05</sup>, ZTZB09, AMN<sup>+02a</sup>, AMvD<sup>+12</sup>, BRG<sup>+19</sup>, BSL<sup>+96</sup>, BMB<sup>+01</sup>, BBE<sup>+13</sup>, BLD<sup>+06</sup>, BVB<sup>+14b</sup>, Car07, Car01, CMG<sup>+11</sup>, CHH19, DNH<sup>+02</sup>, DPS<sup>+11</sup>, DSC<sup>+01</sup>, DC96, FL02, FDM<sup>+97</sup>, GMR<sup>+05</sup>, GVW<sup>+19</sup>, GNHS05, HdVGHM02, HMS<sup>+03</sup>, HHNK<sup>+04</sup>, INTS02, IHSS<sup>+10</sup>, IMP<sup>+02</sup>, JRJ<sup>+22</sup>, JEK<sup>+15</sup>, JBS<sup>+13</sup>, JPSB93, KBL01, KT05, KWW<sup>+12</sup>, KLKB95, KD00, KNC<sup>+09</sup>, KRG<sup>+01</sup>, KN05, LLR<sup>+06</sup>, LJL<sup>+12</sup>, LGVK<sup>+14</sup>, LCL<sup>+10</sup>, LAT<sup>+18</sup>, MPH<sup>+95</sup>, MPG<sup>+97</sup>, MGR<sup>+03a</sup>, MSJ<sup>+06</sup>, MAA<sup>+04</sup>, MAA<sup>+05</sup>, MLK<sup>+12</sup>, MBT97, NFD<sup>+02</sup>, NZT97, PPA10, PGC<sup>+11</sup>, PG07, RBB<sup>+97</sup>, SMZ<sup>+08</sup>, SBM16, SHF<sup>+95</sup>, SLMP07, SMHB00, SBH<sup>+02</sup>, SGW<sup>+00</sup>, SLB<sup>+15</sup>, TPS<sup>+15</sup>, UWvdE<sup>+16</sup>, VMBS03, VAMPR<sup>+17</sup>, WSL07, WMW96, WGMW10, WCH05, WMM02, WDKC00, WWC<sup>+99</sup>, WM99, YKSI19, YKJ<sup>+15</sup>, vRPD<sup>+18</sup>]. **products** [AGGdC14, GF07, SHH03, bsBD<sup>+20</sup>]. **Prof.** [MLB<sup>+10</sup>]. **Professor** [EG96].

**profile** [GMK<sup>+08</sup>, KK20, TR02]. **Profiler** [SHY<sup>+08</sup>, BMM<sup>+99</sup>, HVBO08, LDHO<sup>+14</sup>, TSDG13]. **profiles** [BHB<sup>+07</sup>, DPS<sup>+14</sup>, DPY14, DM16b, Eif05, HKR<sup>+01</sup>, HBT<sup>+08</sup>, JW05b, PTD<sup>+14</sup>, SE95, SHM<sup>+07</sup>, SIFS10, ULH<sup>+21</sup>, YKS03, JW05a]. **profiling** [BS05, BS06, CWS<sup>+23</sup>, GLK<sup>+06a</sup>, HB03, KOR06, PNVJ13]. **profunda** [LZS<sup>+18</sup>]. **profundorum** [BCNS15]. **prognosis** [MSvL17]. **prognostic** [CBF01, FC01]. **Program** [Ano14, CRR01, DTJ<sup>+14</sup>, DB16, RK08, SA03, Urb20, ZDO19, BRPI02, BAH<sup>+95</sup>, Eck94, FH09, HWCT04, KL96a, LBL08, Mar02, MK96, MH02, NLDJ14, POA<sup>+16</sup>, TIKS03, WPW<sup>+14</sup>, Zim19, Ano06f, Bau02, Beg18, VBF<sup>+02</sup>]. **programmable** [BTLC98]. **programme** [BMML06, CA06b, LFM02, PH19, PBB<sup>+13</sup>, RHJ06, RPH<sup>+06</sup>, RHJL09].

**programs** [BNM08, FK98, PSK<sup>+14</sup>, SH02]. **Progress** [CB09b, HTK<sup>+10</sup>, HLA<sup>+06</sup>, Ano22o, BMR<sup>+14</sup>, MSvL17, Pra04].

**progression** [NBSF01]. **progressive** [HAC<sup>+14</sup>]. **Project**

[Ano06d, FSP<sup>+16</sup>, GBB<sup>+17</sup>, HS13, LS14b, VNA<sup>+16</sup>, BTD11, CW09, Ell93, FSM93, MFH04, MSV18, PIP<sup>+02</sup>, PBB<sup>+13</sup>, ROB<sup>+17</sup>, RBDO17, RTM<sup>+20</sup>, RT20, SRS<sup>+15</sup>, SWO<sup>+01</sup>, SMD08, TAB<sup>+16</sup>, ZDBG05, Ano05b, DKSF01, GH05, GHS09, MF93b, NL11]. **Projected** [AJP<sup>+22</sup>, BLG15, HGB<sup>+16</sup>, HKC<sup>+21</sup>, RHPR15, WOS12]. **projection** [MCSF15, QQJ<sup>+21</sup>]. **projections** [MAH<sup>+12</sup>, PCH<sup>+22</sup>, TdFAL19, WYOS18]. **Prokaryoplankton** [HZT<sup>+06</sup>]. **Prokaryote** [DCL<sup>+09</sup>]. **prokaryotes** [Kel10, RDV<sup>+09</sup>, SIFS10]. **Prokaryotic** [PAVGBG02, LLS<sup>+19</sup>, RGH<sup>+24</sup>, VGBGPA02]. **proliferation** [PSA14]. **prolonged** [BY09, MCM<sup>+14</sup>]. **prominent** [PKZ<sup>+19</sup>]. **promotes** [BWL01, HDR<sup>+11</sup>]. **promotion** [Rai14]. **Pronounced** [FS07]. **proof** [MST<sup>+14</sup>]. **propagating** [CK10, JWO<sup>+09</sup>, JR15, MRC05, SYT<sup>+10</sup>]. **propagation** [ADBW16, BHAL13, RSS01]. **propagules** [BSH<sup>+11</sup>]. **Properties** [CCM15, SRF09b, TMT<sup>+11</sup>, Bat01, BCBF03, BFH<sup>+11</sup>, CDA98, Cok16, CMB02, CP05, DMS<sup>+98</sup>, Ell93, ESA<sup>+09</sup>, FWM<sup>+11</sup>, GCR<sup>+02</sup>, GLSK<sup>+17</sup>, GCJ<sup>+00</sup>, GHM02, HNW<sup>+08</sup>, HBP<sup>+14</sup>, HPL<sup>+12</sup>, HSM<sup>+01a</sup>, HLFP08, HAD19, IBD10, JKJ<sup>+22</sup>, KLK<sup>+15</sup>, KC03, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, KHB<sup>+04</sup>, KFS<sup>+10</sup>, LL95, MFN<sup>+02</sup>, MGC<sup>+01</sup>, MFE<sup>+02</sup>, NFD<sup>+02</sup>, NRS14, OMG<sup>+11</sup>, PVK<sup>+20</sup>, PEC<sup>+04</sup>, PPRHLF02, PTA<sup>+99</sup>, PPF<sup>+15</sup>, RTFB09, SSI<sup>+99</sup>, SOS01, SHFM01, SK02, SN04, THT11, VTD<sup>+20</sup>, WW99, WF99, WTSP07, ZWK<sup>+15</sup>]. **property** [DCN<sup>+02</sup>]. **proportions** [CFL<sup>+16</sup>]. **proposed** [BMML06]. **prospects** [HLA<sup>+06</sup>, LVP15, PDC<sup>+21</sup>]. **Protanais** [BPKJ15]. **Protandric** [TMBTS09]. **Protected** [BJK<sup>+22</sup>, DKC<sup>+17</sup>, GASGB<sup>+14</sup>, LVP<sup>+17</sup>, MXC15]. **protection** [MGT<sup>+20</sup>, Thi01]. **protects** [PTM<sup>+16</sup>]. **protein** [RJP18, SKK<sup>+16</sup>, ZA16]. **proteins** [CDT11]. **proteolytic** [TB97]. **protist** [GBBS00]. **Protista** [dSG09a]. **Protistan** [TBSP<sup>+18</sup>, dSEDW11, DSN<sup>+10</sup>, WvdEM00]. **protists** [ANL13, BCN<sup>+16</sup>, GCKC07, LLM<sup>+02</sup>, LLM<sup>+03</sup>, PLT<sup>+13</sup>, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, SSF97, VGBGPA02, VBC<sup>+95</sup>]. **protobranch** [SW09]. **Protoceratium** [dSVC<sup>+14</sup>]. **protocol** [BCN<sup>+17</sup>]. **protocols** [CM99b]. **Protozoa** [STFL<sup>+13</sup>]. **Protozooplankton** [Fro04, LCDS00]. **Protracted** [ARLA03]. **Provenance** [ATN<sup>+12</sup>, SHWW22]. **provide** [DCC<sup>+13</sup>, GPCC<sup>+17</sup>, Mit96]. **Province** [LDBvdB17, VSR<sup>+10</sup>, CMVS<sup>+10</sup>, DCC<sup>+17</sup>, MTR<sup>+10</sup>, NCT13, RVD<sup>+10</sup>, SC10, TAC<sup>+17</sup>]. **provinces** [HZT<sup>+06</sup>, LH01, Wat09, ZJH08]. **proxies** [AELP14, KT05, MFN<sup>+02</sup>, PPR07]. **proximal** [SRB<sup>+11</sup>]. **proximate** [YLK<sup>+15</sup>]. **proximity** [Car10, QNL<sup>+16</sup>]. **proxy** [DJS<sup>+08</sup>, PS05]. **Pruning** [RBS17a]. **Prydz** [CCZ<sup>+21</sup>, HWTN22, JCP<sup>+22</sup>, LCL<sup>+22</sup>, MMTT<sup>+20</sup>, MLH<sup>+22</sup>, RHPC<sup>+19</sup>, SRS<sup>+20</sup>, VJP<sup>+10</sup>]. **Prymnesiophyte** [EWBW99]. **Pseudo** [BV04, DRVVS<sup>+14</sup>, FHR<sup>+14</sup>, SZM10]. **Pseudo-nitzschia** [DRVVS<sup>+14</sup>, FHR<sup>+14</sup>, SZM10]. **Pseudocalanus** [BDR16, BGMH01, CDRB16, HK10, UFAK06]. **pseudococculinid** [YERT13]. **Pseudohongiella** [XZW<sup>+19</sup>]. **Psolidae** [MP17]. **PSP**

[DPS<sup>+</sup>14, DTP<sup>+</sup>05, PTD<sup>+</sup>14, TDKA05]. **Psychropotes** [GRB<sup>+</sup>17].  
**pteropod** [BJF16, BDW<sup>+</sup>96, PTM<sup>+</sup>16]. **Pteropoda** [JBOH10]. **Pteropods**  
 [TMW<sup>+</sup>05, HRM<sup>+</sup>11]. **pterotum** [WL20]. **Pu**  
 [HA03, LLLP<sup>+</sup>03, MPS<sup>+</sup>03, PFG<sup>+</sup>03]. **public** [SRS<sup>+</sup>15]. **published** [MK19].  
**Publisher** [Ano03a, Ano03b]. **PUCK** [VKGQ<sup>+</sup>09]. **Puerto**  
 [BFB<sup>+</sup>18, DAB<sup>+</sup>18, KBR18, LS18, RKB18, SLB18, SWL<sup>+</sup>18]. **pulse** [ZJA16].  
**Pulsed** [YNG<sup>+</sup>16]. **Pulses** [MSGO18, BCT21, RBH<sup>+</sup>20]. **Pump**  
 [SWGPK17, ACFS02, Ber07, BL08, DLR<sup>+</sup>01, DP07, DBN<sup>+</sup>11, GCRW95,  
 HBC<sup>+</sup>23, HIN<sup>+</sup>02, LR97, LBD<sup>+</sup>02, LCL<sup>+</sup>09]. **pumping** [CK10, TRM<sup>+</sup>15].  
**pumping/advection** [CK10]. **pumps** [GRC<sup>+</sup>03]. **purse** [JMP<sup>+</sup>19].  
**purse-seine** [JMP<sup>+</sup>19]. **pursuit** [KLM13]. **Putting** [RAF<sup>+</sup>11]. **PV**  
 [MDM<sup>+</sup>13]. **pycnocline** [HHP04, RNP93]. **Pycnogonida** [ASMM11].  
**Pycnophyes** [AM15]. **Pygmy** [MGJ<sup>+</sup>18]. **Pygoscelis**  
 [CHPF10, CWEHT22, NCR<sup>+</sup>08]. **pyrite** [Sch07]. **pyrolysis** [CYFB<sup>+</sup>06].  
**Pyrophaeophorbide** [BBDL98]. **Pyrophaeophorbide-** [BBDL98].  
**pyrosequencing** [XGL15].

**Quality** [DIM<sup>+</sup>12, ERB<sup>+</sup>99, MBB<sup>+</sup>02, MFH04]. **Quang** [NCT13].  
**Quantification** [BSG<sup>+</sup>02, FHW06, MMY<sup>+</sup>20, SM96a, YLBdR03, GRSW00].  
**quantify** [LWSA08]. **Quantifying**  
 [BGS<sup>+</sup>08, GDC11, HHD<sup>+</sup>09, RG13, SSP14]. **Quantitative**  
 [GKB<sup>+</sup>18, KUT<sup>+</sup>20, SLHS20, ALH<sup>+</sup>01, EPK<sup>+</sup>10, WSL07, YFL<sup>+</sup>23].  
**quantities** [Ano05e, BU05]. **quantity** [NM18]. **quantum**  
 [MTBB00, SS01, VMBS03]. **quartz** [NAT<sup>+</sup>12]. **Quasi**  
 [GGLP02, MV19, RSSM19, ST13, CFR<sup>+</sup>14, KC03, PPRL02, RG93].  
**Quasi-biennial** [MV19]. **Quasi-biweekly** [RSSM19]. **Quasi-geostrophic**  
 [GGLP02]. **Quasi-Lagrangian** [ST13]. **quasi-national** [DAN23].  
**quasi-neutral** [KC03]. **quasi-stationary** [CFR<sup>+</sup>14]. **quasi-synoptic**  
 [PPRL02, RG93]. **Quaternary**  
 [BW99a, BCA<sup>+</sup>03, Die07, EWA<sup>+</sup>03a, KT05, MT15, MPC99, OTK<sup>+</sup>05,  
 OTA<sup>+</sup>05, SLB<sup>+</sup>15, TT05, CSS<sup>+</sup>02, WSL07, EWA<sup>+</sup>03b, MAK<sup>+</sup>16]. **Queen**  
 [WWB04]. **Quick** [LCW<sup>+</sup>07]. **quiescence** [GSB<sup>+</sup>03]. **QuikSCAT**  
 [OCKA<sup>+</sup>11]. **quotas** [TBB<sup>+</sup>11].

**R** [SLM98, CP22, CPM<sup>+</sup>18, RAB<sup>+</sup>17, Ste13]. **R.V.**  
 [RSD<sup>+</sup>97, SDB<sup>+</sup>97, SBvdL<sup>+</sup>02, dLWFB08]. **R/V**  
 [CP22, CPM<sup>+</sup>18, RAB<sup>+</sup>17, Ste13]. **Ra** [KLKB95, KL96c, RKS<sup>+</sup>95, SSR96].  
**Ra-derived** [KLKB95]. **race** [PST<sup>+</sup>05]. **radar**  
 [HZW<sup>+</sup>23, KL06, PCT18, SLP<sup>+</sup>09, SP09, YSWJ16]. **radar-derived**  
 [KL06, SP09]. **RADARSAT** [OCKA<sup>+</sup>11]. **RADARSAT-1** [OCKA<sup>+</sup>11].  
**radials** [SP09]. **radiance** [BY04, WGR<sup>+</sup>95]. **radiances** [HS93]. **Radiant**  
 [PLRV22]. **radiation** [BCG04, JMW<sup>+</sup>20, PPRHLF02, VTA<sup>+</sup>11, WW04a].  
**radiative** [Gre01, MHA<sup>+</sup>15, SN04]. **radio** [MML07, TPP<sup>+</sup>20].  
**radio-tracing** [TPP<sup>+</sup>20]. **radioactivity** [Liv95]. **Radiocarbon**

[DBJ97, SR08a, BDW<sup>+98</sup>, BA10, BWD20, DGB<sup>+98</sup>, KMS<sup>+02</sup>, MDB98].  
**Radiocarbon-derived** [SR08a]. **radioisotope** [HWS<sup>+07</sup>]. **radiolaria** [WPJW96]. **radiolarian** [ITT12, IOTS16, IUdV<sup>+12</sup>, IKR<sup>+12</sup>, MA05, OTK<sup>+05</sup>, PPC<sup>+07</sup>, TT05].  
**Radiolarians** [AN05, AN06, OTOH05, YTF02]. **radiometer** [FRW00, LCW<sup>+07</sup>, PMLM<sup>+02</sup>]. **Radionuclide** [SE95, Ano96f, CHL<sup>+95</sup>, CG18, PLS<sup>+03</sup>]. **radionuclides** [Aar03, BDM<sup>+03</sup>, HPK<sup>+97</sup>, IPTH03, MHK<sup>+03</sup>, PDG<sup>+03</sup>, SEN<sup>+95</sup>, Tho97].  
**radiotracer** [VMGO<sup>+09</sup>]. **Radium** [CGM<sup>+07</sup>, vBBR<sup>+08</sup>, KM05a, SDLZ13].  
**RAFOS** [CMRI13, GMCRI18, PR05, RG03, SRBR05]. **rafted** [CLGM05, DF16, Heb00, SIA<sup>+05</sup>]. **Rain** [MLR07, BAD<sup>+97</sup>, Mun07, RLPF07]. **rainfall** [KVL<sup>+19</sup>]. **raised** [YKN07].  
**Rajidae** [WST15]. **ramea** [OGJ<sup>+19</sup>]. **range** [ATI<sup>+23</sup>, CFK15, CLC<sup>+03</sup>, FJR<sup>+20</sup>, NOFP14, PC98, SSP<sup>+09</sup>, SHC<sup>+22</sup>, SBE<sup>+99</sup>]. **ranging** [BTL98, DFMW13]. **Rapid** [DGMS96, LPA<sup>+95</sup>, LB14, OCL<sup>+08</sup>, PDSS96, STP<sup>+16</sup>, ZFA<sup>+02</sup>, BZMC20, CLGM05, EHK<sup>+20</sup>, KMMS18, SP06, WPB<sup>+16</sup>].  
**rapidly** [AHV<sup>+17</sup>, LDG<sup>+23</sup>, MWFS17, Pas16]. **rapidly-sinking** [Pas16].  
**rapidly-warming** [AHV<sup>+17</sup>]. **Rare** [HOD<sup>+09</sup>, PPR07, BPPJ15, BG10, CVA<sup>+13</sup>, FSCC07, Kha18, PPC<sup>+07</sup>, SBE<sup>+07</sup>, VOK<sup>+24</sup>, ZLJ08]. **Rare-earth** [PPR07]. **Ras** [BMM<sup>+99</sup>]. **raschii** [HPL<sup>+12</sup>, PSS<sup>+16</sup>]. **rate** [AELP14, ASF<sup>+12</sup>, BD06, CMG<sup>+11</sup>, DABMAMA04, LCW20, LAPL<sup>+16</sup>, MW05a, PLRV22, PLPS98, SSWM18, ZQ97]. **Rates** [CM99a, CCK<sup>+16</sup>, GSMB01, PDT<sup>+10</sup>, PDT<sup>+11b</sup>, SGD14b, ASBM02, Ano96f, ASF<sup>+12</sup>, AMK<sup>+05</sup>, BK96a, BDBB07, Ber01, BFT<sup>+97</sup>, CRD01, CLC<sup>+03</sup>, CD09, CMNO23, CHL<sup>+95</sup>, Cra97, DSB<sup>+18</sup>, DPLB94, DTB<sup>+02</sup>, DLW<sup>+17</sup>, DOB<sup>+01</sup>, ER05, FVSR14, GPÇ18, GLM04, GAC<sup>+02</sup>, HBT<sup>+08</sup>, HLNO96, HPK<sup>+97</sup>, IMP<sup>+02</sup>, Las93, LQF<sup>+02</sup>, LJL<sup>+17</sup>, LCL<sup>+98</sup>, LPA<sup>+95</sup>, Loh08, LAF<sup>+02</sup>, LM96, MISC<sup>+02</sup>, MHB<sup>+95</sup>, MLG<sup>+04</sup>, NS93, NSKG96, OMY<sup>+03</sup>, OHT12, OBWK01, PCDM11, PRC<sup>+09</sup>, PABH07, PFDD16, QB02, RRWR08, RSB<sup>+15</sup>, RCF<sup>+16</sup>, RN96, SR08a, SWC09, SW01, SEN<sup>+95</sup>, SBG<sup>+98</sup>, SBH<sup>+02</sup>, TS13, TBB<sup>+08</sup>, VSM17, WN01, Wal94a, WJS<sup>+10</sup>, WP00, ZCP<sup>+08</sup>, ZEGB97, vdLBB<sup>+02</sup>].  
**ratfish** [KM15]. **ratio** [APLW09, CRS<sup>+19</sup>, DVS<sup>+97</sup>, GG93, MLR07, Mun07, RLPF07, SMS<sup>+07</sup>, WBM96, WO99, SLB13a]. **ration** [GFPM02, SH16].  
**rationale** [KL96a]. **rations** [PAM<sup>+04</sup>]. **Ratios** [BDNS03, BMRP02, CSGC03a, ÇYAYT06, CSS<sup>+02</sup>, HLFP08, HSH<sup>+13</sup>, MBL<sup>+15</sup>, NLY<sup>+13</sup>, NMS09, SML15, SZS<sup>+07</sup>, SSH<sup>+00</sup>, VCRDF99, WWN<sup>+02</sup>, WWW<sup>+02</sup>]. **ray** [AWL<sup>+09</sup>]. **rDNA** [LTG<sup>+09</sup>]. **Re** [Blu01, SM23, Mar18, MC15, YKSI19].  
**re-assessment** [YKSI19]. **re-description** [Mar18]. **Re-establishment** [Blu01]. **re-evaluation** [MC15]. **Re-examining** [SM23]. **react** [VKGP<sup>+11</sup>].  
**reactive** [AISR<sup>+16</sup>]. **Real** [PPL<sup>+07</sup>, DIM<sup>+12</sup>, DJCF09, EPK<sup>+10</sup>, FG07, GLK<sup>+06a</sup>, LWB<sup>+07</sup>, NLHB01].  
**Real-time** [PPL<sup>+07</sup>, DJCF09, EPK<sup>+10</sup>, GLK<sup>+06a</sup>]. **realization** [Ben13].  
**really** [HPS<sup>+13</sup>]. **realm** [BSB<sup>+99</sup>]. **realms** [CHN<sup>+10</sup>]. **reanalyses** [MKW11]. **reanalysis** [BSN18, HLR<sup>+09</sup>, Men23, OGRdO18]. **Reasearch**

[MCS<sup>+</sup>03]. **reassessment** [SL06]. **recently** [RHL<sup>+</sup>16]. **Recirculation** [CBF<sup>+</sup>13, CBF<sup>+</sup>16, LB96, MB96, NI10]. **recognition** [BHK<sup>+</sup>10, SGD<sup>+</sup>14a]. **Recolonization** [CHV09]. **Recommendations** [PNS<sup>+</sup>09, MK19]. **reconciliation** [WWW<sup>+</sup>02]. **Reconciling** [CB09a, HBC<sup>+</sup>15, RBS17a]. **reconstructing** [BW99a]. **Reconstruction** [KSH12, KY17, MDG13, BLI<sup>+</sup>09, DFA<sup>+</sup>20, FSG02, ID19, LLH<sup>+</sup>15, LXWC21]. **reconstructions** [AN05, AN06, MPB<sup>+</sup>18]. **Record** [YWW23, BIP<sup>+</sup>02, BA02, CSE<sup>+</sup>22, DW15a, DFA<sup>+</sup>20, DEK<sup>+</sup>08, GPÇ18, GBP00, GM22, Gre01, Gri13, KGS23, LDGH16, LWL<sup>+</sup>16, MCK<sup>+</sup>19, MG22, NCL13, PdBK<sup>+</sup>03, PDS00, ROPB03, SRAL<sup>+</sup>17, YKY<sup>+</sup>07, dMGPT<sup>+</sup>14]. **Record-breaking** [YWW23]. **recorded** [DLG<sup>+</sup>14, DFMW13, PDB<sup>+</sup>20, SSR<sup>+</sup>14]. **Recorder** [BL06, DGMS96, PG07, BCT21, WHLR13, ADGA01, AGP05, ADG<sup>+</sup>08, BDW<sup>+</sup>96, BWS<sup>+</sup>98]. **recorders** [CFGR07]. **recording** [BTLC98]. **Records** [MC12, AL14, CWP<sup>+</sup>15, DME<sup>+</sup>18, FLMF07, GMB18, KY17, LF07, MB18, OTK<sup>+</sup>05, RBB<sup>+</sup>97, SHS<sup>+</sup>12, SK07, TGU<sup>+</sup>06, WHLR13]. **recount** [OW09]. **recovered** [SKS<sup>+</sup>16]. **recovery** [EBM<sup>+</sup>18]. **recreational** [BHS<sup>+</sup>17]. **recruit** [SMV<sup>+</sup>13]. **Recruitment** [AI09, MMG98, BK96b, CM16a, CM16b, DABF<sup>+</sup>16, GEP<sup>+</sup>16, Gau07, GBS<sup>+</sup>22, HSFN13, KT06, RFF<sup>+</sup>02, SNMH18, SHN<sup>+</sup>07, SHB14, SSB<sup>+</sup>07, VCDAL14, WSB13, YERT13]. **recrystallization** [WKM<sup>+</sup>07a]. **recurrent** [BFG<sup>+</sup>10]. **recycling** [ATD<sup>+</sup>11, HTA<sup>+</sup>17, LSUB94, RGTV97, SM00]. **red** [MBC<sup>+</sup>14, Men23, RAL04, RAR04, TBT05, WZ14, BKP<sup>+</sup>19, SJM02, ZSLL15, vC97]. **Redescription** [BPKJ15, JR11, MGE13, Mal15]. **Redfield** [DVS<sup>+</sup>97, SLB13a, WWW<sup>+</sup>02]. **rediscovered** [GJ11]. **redistribution** [SAA<sup>+</sup>17, SNPS01]. **redox** [FLTV97, GLK<sup>+</sup>06a, HSB<sup>+</sup>16, HFL<sup>+</sup>15, KMLT06, Kos01, LAT<sup>+</sup>18, SM01, YCD<sup>+</sup>06]. **redox-sensitive** [HFL<sup>+</sup>15]. **redoxcline** [TSP<sup>+</sup>18]. **reduced** [SF08]. **Reducing** [HSSH23, LS17, AP22, JBR<sup>+</sup>18, LAT<sup>+</sup>18, MFM<sup>+</sup>18, RDV<sup>+</sup>09]. **reduction** [BSS<sup>+</sup>00, CV17, ESDM13, JS14, NVBJ08, PNS<sup>+</sup>09]. **REE** [CRS<sup>+</sup>19]. **Reef** [DSE<sup>+</sup>14, bLHsL<sup>+</sup>13, AHVB<sup>+</sup>17, BMSBM<sup>+</sup>17, HKY<sup>+</sup>13, PSB14, SSR<sup>+</sup>14, ZHY<sup>+</sup>13]. **reef-building** [PSB14]. **reefs** [AHVB<sup>+</sup>17, LOB<sup>+</sup>09, LWSZ13, MDTG13, NCT13, PCY<sup>+</sup>13, SGPD<sup>+</sup>14, WYIT13, ZMYS13, SEM16]. **reference** [CPH01, CSS<sup>+</sup>10, EMEP18, HIA<sup>+</sup>16, HSSN08, KBSS93, MPH<sup>+</sup>16, MM14, RH94, WTL<sup>+</sup>06, WR01]. **referencing** [BS05, BS06]. **reflect** [WLM23]. **reflectance** [SWR<sup>+</sup>95]. **reflected** [BVB<sup>+</sup>14b, SM00]. **reflection** [MR08, TSA<sup>+</sup>01]. **Reflections** [Hem99, Smi01]. **reflectivity** [JOD98]. **reflects** [FL02]. **REGAB** [BNP<sup>+</sup>09]. **regarding** [HBB<sup>+</sup>13]. **regenerated** [BCDV02]. **regeneration** [BCDV02, DBN<sup>+</sup>11, KL96c, MFG<sup>+</sup>04, OT03]. **Regime** [IPLCHRM19, BW04, BLS<sup>+</sup>03, JZ93, JPZ93, JRK<sup>+</sup>17, MCL<sup>+</sup>19, MBLM03]. **regimes** [BSX<sup>+</sup>15, BBE<sup>+</sup>13, BGG<sup>+</sup>09, CK03, CEG<sup>+</sup>11, DBJ97, LB07, LP14, MT15, RMCAR06, SM00, SP00, SHY<sup>+</sup>08, SHC<sup>+</sup>00, WLM23, WMW96]. **Region** [FGW02, GVW<sup>+</sup>19, HALV18, PUB<sup>+</sup>06, SBB<sup>+</sup>19, VSGM03a,

AMN<sup>+02a</sup>, ARLA03, AFC<sup>+17</sup>, BLBW<sup>+11</sup>, BDW<sup>+96</sup>, BSM01b, BCDV02, Cha03, CSW<sup>+17</sup>, CD20, CLPL<sup>+09</sup>, CSCP13, CLJ<sup>+13</sup>, CHR97, Cri95, CMPB18, DURP03, DNH<sup>+02</sup>, DWBP13, DSN<sup>+20</sup>, DO01, DJFK<sup>+22</sup>, DT08, DJ15, DDB<sup>+97</sup>, EHK09, EHK<sup>+20</sup>, GSMG04, GP08, GKB<sup>+18</sup>, HLR<sup>+09</sup>, HWTP07, dITGCAB<sup>+03</sup>, HiI<sup>+19</sup>, HiI<sup>+20</sup>, HTW14, HCG<sup>+01</sup>, IGN<sup>+10</sup>, IHSS<sup>+10</sup>, JDS<sup>+08</sup>, JC03, KCA05, KSH12, KYI10a, KYI10b, KFA<sup>+20</sup>, KUN10, KIN<sup>+10</sup>, KMO<sup>+10</sup>, KS10, LSB<sup>+02</sup>, LWB<sup>+20</sup>, LAJP13, LSHP01, LHKHH10, MDJS11, MMG<sup>+07</sup>, MSW<sup>+13</sup>, MFN<sup>+02</sup>, MLVM02, MNSMN<sup>+04</sup>, MMC11a, MT96, NSH<sup>+10</sup>, NKF<sup>+10</sup>, NCE<sup>+23</sup>, OPDM11, OvdRvA<sup>+22</sup>, OHS10, PDT11a, PWN<sup>+11</sup>, RVC<sup>+13a</sup>, RVC<sup>+13b</sup>, RT14, RH94, RGL<sup>+06a</sup>, SGD<sup>+14a</sup>, SGA<sup>+15</sup>, STK02, SF10, SAM<sup>+13</sup>, SF04, SHN<sup>+07</sup>, SBB06, SM03, SMS<sup>+08</sup>, SFPH<sup>+08</sup>, SMPG<sup>+04</sup>, SBH<sup>+02</sup>, SMSI08, SKF<sup>+10</sup>]. **region** [SFD04, SCPP05, TGLN93, Tho04, TMTR14, UW99, VJP<sup>+10</sup>, WMW<sup>+20</sup>, WL20, Wea93, WFW<sup>+17</sup>, WAK<sup>+12</sup>, WBBM01, WAM<sup>+18</sup>, WDG<sup>+02</sup>, YOK<sup>+10</sup>, YOO<sup>+10</sup>, YSWJ16, ZQ97, ZZM<sup>+13</sup>, ZTZ09, ZDW<sup>+20</sup>, vdLBB<sup>+02</sup>, SMV<sup>+03</sup>, VSGM03b]. **Regional** [BL00, Bro19, BAH<sup>+95</sup>, ESDM13, HBR11, KWW<sup>+12</sup>, LMvDA16, MHSV18, PABH07, SFB19, WSL<sup>+11</sup>, YKJ<sup>+15</sup>, ALWW04, BDWG02, BBN97, BWC<sup>+02</sup>, CPF<sup>+14</sup>, DKN<sup>+97</sup>, GWZ16, HSHM02, HKC<sup>+21</sup>, KWA<sup>+20</sup>, KYW20, LC16, LCS16, Pal04, PCAS05, RSC<sup>+09</sup>, SWO<sup>+01</sup>, SP00, SMH<sup>+11</sup>, Wil08, YQMB20, ZRC<sup>+11</sup>].

**Regional-scale** [WSL<sup>+11</sup>]. **regions**

[ATN<sup>+12</sup>, BH14, BS21, BK96b, CDM23, Dri09, HMS<sup>+13</sup>, HWP<sup>+11</sup>, JBOH10, KSM<sup>+11</sup>, KKVP15, KHL<sup>+17</sup>, MK19, NDG96, PNLF02, PNLFS03, Qué13, RHPC<sup>+19</sup>, SBM16, SCGB18, TBPS22, WW23, WAC<sup>+09</sup>, WZB<sup>+14</sup>, ZTZB09].

**regression** [PSK<sup>+14</sup>]. **regular** [VPP07]. **regulate** [ALSF<sup>+17</sup>, FBCN00].

**regulating** [CSW<sup>+17</sup>, MALT05, VGBGPA02]. **Regulation**

[NL11, BSL<sup>+96</sup>, BMB<sup>+01</sup>, DCK01, DCF<sup>+11</sup>, HMS<sup>+03</sup>, KD00, RWRS08].

**Rehabilitation** [OKH<sup>+22</sup>, NCT13]. **rejection** [GDL22]. **related**

[AYMSAS19, AI09, BDL<sup>+22</sup>, BGH<sup>+19</sup>, HMLS<sup>+06</sup>, HWCT08, IKR<sup>+12</sup>, KT06, Lar04, MAH<sup>+12</sup>, MSW<sup>+13</sup>, RSL05, RAL04, RAR04, SHN<sup>+07</sup>, SCB<sup>+16</sup>, VK04, WBBM01, YCA<sup>+20</sup>, ZWK<sup>+15</sup>]. **Relating** [PABH07]. **Relation**

[SCD14, ARWM13, AFC<sup>+17</sup>, ADGA05, ADGA06, AMTE09, BFDB17, BFL00, BDR<sup>+03</sup>, BM07, CJA<sup>+06</sup>, CVF11, CG18, CBA<sup>+05</sup>, DABMAMA04, DB02, ESWL20, FLTCV10, FHvFM08, FWZM12, FZW<sup>+13</sup>, GLCP12, GBLS00, HHH<sup>+14</sup>, HTS<sup>+09</sup>, HWCT08, HNRGL06, HPM02, HLM<sup>+01</sup>, IBK<sup>+11</sup>, JGM09, JRGLJ<sup>+19</sup>, KMOM19, Kos01, KSS<sup>+00b</sup>, LWA<sup>+04</sup>, LL14, LBGW97, LLT<sup>+00</sup>, MAB<sup>+01</sup>, MiSW08, MHM<sup>+14</sup>, OM98, OBA02, RR96, RMB05, RMCAR06, RCF<sup>+08</sup>, SVJRSON04, SvdLM95, SLT<sup>+11</sup>, SSV02, SGB<sup>+08</sup>, SP00, SGM<sup>+02</sup>, SFMG13, SPH<sup>+08</sup>, UY04, WPJW96, YHC<sup>+11</sup>, Yu03, ZFP<sup>+16</sup>, ZCG<sup>+12</sup>, Zon97]. **relations** [ODR<sup>+09</sup>, SYS05, YFL<sup>+23</sup>].

**Relationship**

[CFL<sup>+99</sup>, PAM<sup>+14</sup>, SA14, SRC98, SZS<sup>+07</sup>, UPS04, Ano97b, BPKJ15, CRF04, CC03, CJF<sup>+12</sup>, DSO<sup>+97</sup>, FRW00, FJG<sup>+00</sup>, JML08, KBKW13, LPJ<sup>+16</sup>, Lin04, MB08, NISG05, NSY04, RHB<sup>+95</sup>, SWR<sup>+95</sup>, SI09, SH16,

SHKW05, TKF16, WMS<sup>+96</sup>, WGG98, WWC<sup>+99</sup>, WR15, XSM<sup>+19</sup>, ZXH<sup>+13</sup>].  
**Relationships** [ASF<sup>+12</sup>, HD02, LG98, LTH05, MORB<sup>+15</sup>, OCP18, RDBP14, BGKB06, BOKA16, CDRA08, DC96, FB14, HCL<sup>+22</sup>, HGK<sup>+18</sup>, KWPB15, LMKL09, MGS<sup>+10</sup>, SGB14, SFG98, SCM<sup>+09</sup>, WH98]. **Relative** [Ben13, BCKH07, BFS<sup>+17</sup>, BLG15, CMC11, CP05, CHH19, DB97a, FHW06, KR11, LCD<sup>+24</sup>, LB18, NCSB<sup>+98</sup>, Pas18, SKMDR02, TYBY06, TAB<sup>+05</sup>, VBM<sup>+19</sup>, YBC<sup>+17</sup>, YSHS08]. **relatively** [THT11]. **relaxation** [GWL<sup>+15</sup>, KGB06, PCT18]. **relaying** [HBM<sup>+07</sup>]. **RElease** [BL01a, GBH<sup>+01</sup>, GSMB01, BBL<sup>+13</sup>, HKY<sup>+13</sup>, KJB<sup>+08</sup>, LZM<sup>+13</sup>, TA01, vdMLB<sup>+11</sup>]. **relevance** [JKJ<sup>+22</sup>, LVP<sup>+17</sup>]. **relevant** [MLVM02, Rai14]. **RELO** [WJR<sup>+16</sup>]. **Relocatable** [TFP<sup>+16</sup>]. **remains** [YERT13]. **remarks** [Kam18, MT11]. **remineralisation** [WP00]. **Remineralization** [SSM<sup>+00</sup>, ADAM02, BAD<sup>+97</sup>, BPB<sup>+94</sup>, CHN<sup>+10</sup>, CCZ<sup>+21</sup>, DJS<sup>+08</sup>, HFD<sup>+23</sup>, JDS<sup>+08</sup>, JDD<sup>+11</sup>, OENB01, SMCA01, SD96, TVL<sup>+00</sup>, WWW<sup>+02</sup>].  
**Remote**  
[GPMZ<sup>+10</sup>, HSM<sup>+01b</sup>, MGR03b, ACG19, BOH<sup>+04</sup>, Car10, Car01, HCHD09, IS07, JEK<sup>+15</sup>, MMT08, NR06, PBFS06, PWTH15, PDB<sup>+16</sup>, RBH<sup>+20</sup>, RN06, SM96a, TBPS22, THV<sup>+99</sup>, VSV<sup>+97</sup>, WPAP01, WAK<sup>+12</sup>, Yu03, ZKSS06].  
**Remote-sensing** [GPMZ<sup>+10</sup>]. **Remotely**  
[BHMK08, BMM<sup>+99</sup>, MCH<sup>+13</sup>, SMBM99, DDB<sup>+17</sup>, DBBWH20, HSM11, LAJP13, MMC11a, PW15, PTA<sup>+99</sup>, PW12, SRW<sup>+10</sup>, TSPH09, UY04].  
**remotely-sensed** [PW12, SRW<sup>+10</sup>]. **removal**  
[HCBP97, Hat02a, HBCC13, PCDM11, SSH<sup>+00</sup>]. **Removing** [MTT<sup>+12</sup>].  
**renewable** [CWE<sup>+17</sup>]. **renewal** [TH99]. **reoccupation** [BDM<sup>+03</sup>].  
**reorganization** [YK16]. **repackaging** [WSB08]. **repair** [PTM<sup>+16</sup>]. **repeat**  
[PRB<sup>+11</sup>]. **Repeated** [PSK<sup>+14</sup>, WOM<sup>+16</sup>]. **Repeated-measures**  
[PSK<sup>+14</sup>]. **repetition** [CMG<sup>+11</sup>]. **repetitive** [BJSH14]. **replenishment**  
[MBC<sup>+20</sup>]. **replicated** [VSFF09]. **Reply** [JW05a, PTMH16]. **report**  
[CB18, STFL<sup>+13</sup>]. **represent** [Ano05e, BU05]. **Representation**  
[KCO<sup>+19</sup>, Arm03, KxF22, MKW11]. **representative**  
[AM18, GASGB<sup>+14</sup>, VSR<sup>+10</sup>]. **reprocessing** [KB95]. **reproduce** [SMH<sup>+06</sup>].  
**Reproducing** [HCG<sup>+09</sup>, SHM<sup>+01</sup>]. **Reproduction**  
[CGD<sup>+15</sup>, PL04, PSB14, SW09, BTC13, DEJ08, GGDF08, LYN<sup>+13</sup>].  
**Reproductive** [FARLR<sup>+13</sup>, GTSC08, QRE<sup>+17</sup>, ROS<sup>+17</sup>, RDBP14, WF13, WYL<sup>+20</sup>, BBE<sup>+13</sup>, EGMB13, HSBT19, HH03, RRK<sup>+20</sup>, RHM13, SRFR07, TGU<sup>+06</sup>, VHM17]. **Reptantia** [CP18a]. **requirements**  
[BSG<sup>+02</sup>, VAMPR<sup>+17</sup>]. **Res** [AN06, CM16a, CBF<sup>+16</sup>, DTWW21, ENM<sup>+16</sup>, ELG<sup>+22a</sup>, GAL<sup>+20</sup>, HiII<sup>+20</sup>, Mun16, RSCFT<sup>+16</sup>, RAF<sup>+14a</sup>, RDC<sup>+18a</sup>].  
**Research**  
[Ano95b, Ano96f, Ano96g, Ano97b, Ano97c, ADGA06, Beg18, BS06, CGG<sup>+12</sup>, CC00, CDB94, DB16, EWA<sup>+03a</sup>, LLM<sup>+03</sup>, MAA<sup>+05</sup>, MSV18, PNLFS03, RVJG<sup>+05</sup>, SSK<sup>+07</sup>, Ste10, SMGB03, TTU01, VSGM03a, WJD<sup>+00a</sup>, ZDO19, Ano96d, BC08, BFL<sup>+20</sup>, BFD<sup>+23</sup>, BCW03, CP22, CLMK13, CPM<sup>+18</sup>, Col16, DABF<sup>+16</sup>, EAB<sup>+20</sup>, GBS<sup>+22</sup>, HAE<sup>+17</sup>, HD14, LBD<sup>+22</sup>, Lut15, MHO02,

MBT<sup>+14</sup>, MFH04, MV23, Mur06, POA<sup>+16</sup>, SPW<sup>+22</sup>, WMA11, Zim19].  
**Reserve** [bLHsL<sup>+13</sup>]. **reserves** [DWG<sup>+15</sup>]. **reservoir** [KFTE14, LW15].  
**reservoirs** [RDC<sup>+18a</sup>, RDC<sup>+18b</sup>]. **residence** [PHE<sup>+18</sup>, PHDK11].  
**residency** [LWO<sup>+09</sup>]. **resident** [OMAA18, MT98]. **Resilience**  
 [WWC<sup>+19</sup>, HSSH23, ST07, YD09]. **Resolution**  
 [DIM<sup>+12</sup>, LCW<sup>+07</sup>, MDI<sup>+12</sup>, AELP14, BKY<sup>+17</sup>, BSM01b, CJM<sup>+22</sup>,  
 DJCF09, DKZP16, GDE<sup>+96</sup>, GBP00, GLK<sup>+06a</sup>, HBT<sup>+08</sup>, KIY<sup>+05</sup>,  
 LHX<sup>+22</sup>, LDX<sup>+23</sup>, MCSF15, NHD11, NBBBT13, PMLM<sup>+02</sup>, RAC<sup>+20</sup>,  
 SC10, SBS<sup>+00</sup>, SKD<sup>+16</sup>, VT09, WMB<sup>+13</sup>, WLD<sup>+07</sup>, YMMC11]. **resolved**  
 [HDW<sup>+20</sup>, SLT<sup>+11</sup>]. **resolving** [MDM<sup>+13</sup>, OGRdO18]. **resonance**  
 [NAT<sup>+12</sup>]. **resonant** [CMJ<sup>+18</sup>, WWL02]. **Resource**  
 [SBQ<sup>+02</sup>, DMFB19, RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>]. **resources**  
 [ADRS19, BCG<sup>+22</sup>, GLF<sup>+03</sup>, HD17, KBVM13, SID19, Wei07, WYT19, ZS19].  
**Respiration** [KCD<sup>+17</sup>, NSKG96, Ano97c, BMHR08, BFML<sup>+08</sup>, CSGC03b,  
 DRBM97, DO01, DOB<sup>+01</sup>, DKGT04, DDK<sup>+00</sup>, DDB<sup>+97</sup>, GSW<sup>+09</sup>,  
 KCY<sup>+16</sup>, KKK<sup>+17</sup>, KHC<sup>+09</sup>, LMM<sup>+97</sup>, NS93, PZT<sup>+19</sup>, RIBW99, RWZ<sup>+02</sup>,  
 RBP<sup>+94</sup>, SFR<sup>+06</sup>, SBSH99, WCB98]. **respiratory** [NS93]. **respond**  
 [PWR05]. **Response** [AS01a, AS95, CLC<sup>+98</sup>, CMP14, DRRBC16, DBH<sup>+20</sup>,  
 FMC<sup>+20</sup>, HZK<sup>+05</sup>, IARR01, JMN<sup>+15</sup>, KTSI07, KMO<sup>+10</sup>, LYN<sup>+13</sup>,  
 ORFA<sup>+14</sup>, PW05, PGS14, RJM<sup>+15</sup>, RAC<sup>+20</sup>, TWN<sup>+06</sup>, WREC18, ZHX<sup>+16</sup>,  
 dLC<sup>+14</sup>, AHR<sup>+06</sup>, AYMSAS19, Arm03, AAL<sup>+17</sup>, BS03, BBL<sup>+13</sup>, BLH05,  
 BMB<sup>+18</sup>, BEB11, BBV00, BLS<sup>+08</sup>, CAGL13, CHL<sup>+15</sup>, CLW<sup>+23</sup>, CL15,  
 CWTJ03, CB00b, CMJ<sup>+18</sup>, DWBP13, DP02, DVPR06, DBS98, Dri09,  
 DSC<sup>+01</sup>, DSYH09, EWP<sup>+99</sup>, FBBW<sup>+10</sup>, HRM<sup>+06</sup>, Har06, HTPM14,  
 HKN<sup>+09</sup>, HZYZ10, HZN<sup>+16</sup>, HV03, JZX10, KTL<sup>+00</sup>, KIS02, KHL<sup>+01</sup>,  
 KNN<sup>+06</sup>, KNC<sup>+09</sup>, KCL20, LL01, LSS<sup>+11</sup>, LJBF00, LGF03, LHZJ13,  
 LB98b, LD07, MDTS11a, MBLM03, MARFP08, NI10, NOFP14, NGF09,  
 NSvH<sup>+11</sup>, PHS<sup>+11a</sup>, PHS<sup>+11b</sup>, Pfa93, PST<sup>+05</sup>, PZK<sup>+05</sup>, RGH<sup>+24</sup>,  
 ROC<sup>+21</sup>, SD06a, SLS17, SVS93, ST13, SL15b, SRP<sup>+98</sup>, SCD<sup>+22</sup>, Thi05,  
 TKF07, TSN<sup>+06</sup>, WPB<sup>+16</sup>, WFR<sup>+02</sup>, WSB13, WLD<sup>+06</sup>, WBI<sup>+01</sup>].  
**response** [WLH<sup>+16</sup>, Yu03, ZPT<sup>+13</sup>, ZT00]. **Responses**  
 [BOHW22, BSRM08, GO15, GHM<sup>+12</sup>, HNK<sup>+12</sup>, NHS<sup>+09</sup>, PDE<sup>+16</sup>, STF09,  
 SVD97, ZG15, vFvdBB<sup>+02</sup>, BGWF08, CHH<sup>+21</sup>, GLF<sup>+03</sup>, GGCM17,  
 GLdS<sup>+09</sup>, HSSH23, HWK<sup>+14</sup>, KHE<sup>+11</sup>, LG00, LDS<sup>+08</sup>, LG09, LSS<sup>+07</sup>,  
 MCL<sup>+19</sup>, MAT<sup>+12</sup>, MHP<sup>+07</sup>, MBG09, NLS<sup>+10</sup>, PCL22, Roy05, SMH<sup>+06</sup>,  
 SZH20, STS<sup>+15</sup>, TSMS09, VSD<sup>+97</sup>, ZOB<sup>+96</sup>]. **responsible**  
 [EBGCL08, RDC<sup>+18a</sup>, RDC<sup>+18b</sup>]. **resting**  
 [AJG<sup>+10</sup>, ESAG10, MTK05, PBG<sup>+10</sup>, RGHN<sup>+97</sup>, TIS<sup>+13</sup>]. **result**  
 [PE17, TWL<sup>+15</sup>]. **resulting** [MBF<sup>+98</sup>, OLP<sup>+20</sup>]. **Results**  
 [AA15, Ano06f, AAL<sup>+17</sup>, BBB<sup>+07</sup>, BL08, CHH<sup>+21</sup>, CSCP13, DJS<sup>+08</sup>,  
 DSW20, GGM<sup>+16</sup>, KMD<sup>+11</sup>, KWH<sup>+05</sup>, LCW<sup>+07</sup>, MALT05, MBW<sup>+08</sup>,  
 MNR<sup>+11</sup>, MLBB14, MSSD93, MSA<sup>+14</sup>, PHS<sup>+11b</sup>, RCW<sup>+15</sup>, Sco05, SBS<sup>+08</sup>,  
 SESS08, TAB<sup>+16</sup>, VKGQ<sup>+09</sup>, WMC06, BNM08, BFF94, BTLC98, BCA<sup>+03</sup>,  
 CFR<sup>+14</sup>, CAS<sup>+97</sup>, CES98, CMC<sup>+05</sup>, CJF<sup>+98</sup>, FR10, Gut06, HBB<sup>+13</sup>, Jen03,



KJB<sup>+08</sup>, LK98, LMB<sup>+98</sup>, LSU04, NL11, NW01, Osc01, PLS<sup>+03</sup>, SMY<sup>+98</sup>, Sch02a, SYS05, SGB<sup>+02</sup>, TTU01, Thu98, VHS97, WW04a, ZNM<sup>+02</sup>, LAJP13].  
**resurge** [OM02]. **resuspension** [BAD<sup>+14</sup>, CWFP94, MPPR14, PAM<sup>+14</sup>, ZDA<sup>+16</sup>]. **retain** [DLWW23].  
**Retention** [JKJ<sup>+22</sup>, BMK<sup>+13</sup>, CMC11, JPC06, LM01, MTGY05, PSS<sup>+16</sup>, RGL<sup>+06a</sup>, VLK06, ZTZ09]. **reticulatum** [dSVC<sup>+14</sup>]. **retreat** [LDW22, NSWY20, NYH<sup>+20</sup>, OACA19, PSA14, RHB<sup>+95</sup>]. **Retrieval** [PTA<sup>+99</sup>]. **Retrospective** [KTSI07, CFL<sup>+16</sup>, LSGM02, OAH<sup>+16</sup>]. **Return** [BRL<sup>+03</sup>, NGS<sup>+15</sup>]. **returns** [MHG<sup>+17</sup>]. **reveal** [GNG<sup>+22</sup>, HCBL<sup>+17</sup>, MBC<sup>+09a</sup>, RMBW07, SSB<sup>+17</sup>]. **revealed** [BCN<sup>+17</sup>, BHHM<sup>+12</sup>, BFK<sup>+14</sup>, CDJ<sup>+22</sup>, CHV<sup>+15</sup>, DFJ18, DBL<sup>+19</sup>, FHYI03, HRSJ23, HXF<sup>+23</sup>, KVPK20, MSJS08, PfSG11, SGP<sup>+11</sup>, WSM<sup>+22</sup>, XGL15, YCT<sup>+22</sup>]. **Revealing** [NKA<sup>+11</sup>]. **reveals** [CCM<sup>+20</sup>, DMC<sup>+17</sup>, HNS<sup>+11</sup>, KBK<sup>+18</sup>, LWB<sup>+07</sup>, PDY20, WTT<sup>+20</sup>].  
**reversals** [SRP<sup>+98</sup>]. **Review** [BMR<sup>+14</sup>, LMM<sup>+97</sup>, NM18, Ano99n, BSX<sup>+15</sup>, GLF<sup>+03</sup>, GKB19, MK19, MM14, Rai14, RAF<sup>+14a</sup>, RAF<sup>+14b</sup>, SVB<sup>+19</sup>, VAT23, VMGO<sup>+09</sup>, ŽSN<sup>+18</sup>, Zon07, Ano97c]. **Reviewer** [Ano09c].  
**Reviewing** [MS06b]. **revising** [HWN<sup>+04</sup>]. **revision** [MM15]. **revisited** [BBR<sup>+10</sup>, BJSH14, Bor01, EW99, Jaž15, LS12, MPS<sup>+03</sup>, PWCL98, WR09].  
**Revisiting** [BHT22, IPLCHRM19, SLB13a, VGZ<sup>+19</sup>, VCG<sup>+20</sup>, DeM02].  
**reworked** [Thi98]. **reworking** [JWC09]. **Reyes** [VLK06]. **Reykjanes** [PGFP<sup>+08</sup>]. **Reynolds** [HS05b]. **Rhône** [Tho97]. **Rhachotropis** [LJB18].  
**rheological** [JS14]. **Rhizaria** [DBR22, GdSP11]. **Rhone** [NC97]. **Ría** [DRVVS<sup>+14</sup>]. **ribbon** [CMBPM04]. **Rich** [KFS<sup>+17</sup>, SBE<sup>+07</sup>, DZL<sup>+17</sup>, GGT<sup>+02</sup>, KCD<sup>+17</sup>, MD17, Men23, ODP<sup>+17</sup>, TTD13, VD98]. **Richardson** [Gre08]. **richness** [HDK08]. **Rico** [BFB<sup>+18</sup>, DAB<sup>+18</sup>, KBR18, LS18, RKB18, SLB18, SWL<sup>+18</sup>]. **Ridge** [GNT<sup>+17</sup>, MTB09, OTN16, SKS<sup>+16</sup>, SBP13, WMB<sup>+13</sup>, WOM<sup>+16</sup>, BMH08, BFA<sup>+08</sup>, BSJ13, HRSJ23, KOO<sup>+24</sup>, MMM<sup>+13</sup>, RCCP13, SL15b, SPH<sup>+08</sup>, WH98, ABD<sup>+13</sup>, ARB<sup>+13</sup>, ACD<sup>+17</sup>, BJA13, BBR<sup>+18</sup>, CVA<sup>+13</sup>, CG21, CPW<sup>+18</sup>, CSGV13, CSCP13, CLJ<sup>+13</sup>, CBB<sup>+98</sup>, CLB13, DRR17, DONF08, Dud06, DHST13, EQW<sup>+13</sup>, FBL<sup>+98</sup>, FVW08, FCBD08, FD98, GGF<sup>+08</sup>, GGDF08, HIK<sup>+08</sup>, HRX17, HTD13, HSY08, JAP<sup>+13</sup>, JBS<sup>+98</sup>, KJB<sup>+08</sup>, KPBK08, LBSB<sup>+17</sup>, LDBS<sup>+17</sup>, LAJP13, MBF<sup>+98</sup>, MCB<sup>+15</sup>, MSW<sup>+13</sup>, MC18a, MGK<sup>+17</sup>, MBMGK08, MR15, NHS<sup>+13</sup>, OGBF08, PHM06, PGFP<sup>+08</sup>, PPFS17, PBB<sup>+13</sup>, RSW<sup>+13</sup>, RLB18b, RT20, Rog17, SLdB<sup>+15</sup>, SHB02, STB<sup>+17</sup>, SGB<sup>+08</sup>, SBK08, SS99a, SHY<sup>+08</sup>, VTD<sup>+20</sup>, VHT<sup>+20</sup>, WH98, WJ02, dLWFB08, WACGH11, YSC<sup>+20</sup>, YSHS08, ZWK<sup>+15</sup>, ZRC<sup>+11</sup>, Bak98, CES98, KLLO98, RSP<sup>+98</sup>, SB98]. **ridges** [BBG15, CL15, GBI10, ULH<sup>+21</sup>]. **rifted** [HZMH07]. **Riftia** [BY09]. **Riga** [OT10]. **right** [BEC<sup>+96</sup>]. **rigorous** [YFL<sup>+23</sup>]. **Ring** [MFE<sup>+02</sup>, DKdS<sup>+03</sup>, Gol93, RYT01, vAvVV<sup>+03</sup>, SBZ<sup>+03</sup>]. **ringens** [MGGMT19]. **Ringiculidae** [CKFC18]. **Rio** [HCBL<sup>+17</sup>]. **Rise** [DLHH11, HCBL<sup>+17</sup>, BRW00, BCA<sup>+03</sup>, DBDT03, ANS<sup>+11</sup>, BBB<sup>+11a</sup>,

Har11, MSNL09, MMG98, NLSL09, NHD11, PZL+09, PWN+11, RHD+11, SFV+98, WACGH11, ZRC+11]. **Risk** [DMC+17, CWSH20, HSSH23]. **risks** [DCD+14]. **Rissa** [VM13]. **Risso** [KG20, VFFM13]. **River** [ARWM13, LG15, MWS+15, MM97, NC97, RDdL+13, YZZ+19, ZZY+19, ZG15, DGP20, GF97, LFPC14, OCP18, HMSMK04, KCA05, MHG+17, NAT+12, VBM+19, VPA+09, ZPG14, ZSLL15]. **Riverine** [SP19a, ATM+07, BS21, UIS+03, WLM23]. **RNA** [NLY+13]. **road** [JBB+13]. **Roanu** [KDSR19]. **Robert** [SLM98]. **Robinson** [Ano97c]. **robust** [LWSA08]. **robustus** [GPCC+17]. **Rock** [BSS+17, MAR+17, PDC+21]. **Rock-Eval** [BSS+17]. **Rockall** [SKdS+14]. **rocket** [OSG+13]. **rockfish** [CSM13b]. **rocks** [SKS+16]. **rocky** [CMP14, SKL+22]. **rod** [Arm03]. **roe** [DVC14]. **roe-on** [DVC14]. **Role** [ACG+01, AKBD13, DGS+05, MN10, MML06, Rod13, SLS+10, SPB+14, WPD22, AM02, BFF+07, Boy02, BES95, CTBNL08, CBB+95, CNOC13, CSS+22b, CPEN08, DMJ93, DH97, ESAG10, FJR+20, GOD+01, GGRW99, GDYW02, HDF+01, HBC+12, HWS+13, ILWH03, JBS+13, KPPL00, KLKB95, LLR+06, Lar04, LFC16, LV17, MTE+02, MMMC07, MZR+95, MST+14, PBS06, PP93, PA95, PL04, PS19, RHI00, Rog00, RGL+06a, SSLP95, SLT+14, SSR96, STS11, TAL+12, TP96, VM01, XWZ24, YOR13]. **Roles** [DSD12, NSLAP+17, NA13, PPL+07, SE96, SGC03, TLW+94]. **ROM** [Ano96d, CDB94, RSD+97]. **Rona** [Lut15, SL15a]. **Rosetta** [BOJ+10]. **rosette** [SHF+95]. **rosmarus** [YBC+17]. **Ross** [BLB+11, GOM+09, LCD+24, AvD04, BS01, BDO00, CBCT09, CHPS00, CDL+00, CWTJ03, CB01, CBC02, CBB+00, CDH+00, CL06, DGA+11, DMC+01, DKS03, DKS11, DDK+00, DCC+01, DFK+06, FJG+00, FA03, GRS00, GBH+17, GCJ+00, KMD+01, LCVV06, LCDS00, OMG+11, OW09, PHOM09, SCM+02, SMHB00, SDKH03, SDMC03, SSP+06, SHC+00, SSH+00, TDCV+06, VMBS03]. **Rosby** [BSS+02, CK10, HGM+11, KVPK20, MV19, Ver13]. **Rotating** [PFW+09, CJ19, FMFW07, Joh19, TCM+22, WMH+07]. **rotation** [Pra04]. **roughness** [SDL22]. **round** [CBK+22, DSC+01]. **route** [CRJ+08, MKS+20]. **routines** [PNS+09]. **Routing** [DLF09a]. **ROV** [DDB+17, LAJP13, MCH+13, NDE14, RHK+10, RSH10, TGU+06]. **rRNA** [BFK+14, LTG+09, MGT16, RSF+99, XGL15]. **rRNA-derived** [LTG+09]. **rRNA-targeted** [MGT16]. **RTV** [CHU+00]. **rubra** [UC13]. **rules** [WTI+20]. **Running** [SCH+19b, SCH+19a]. **runoff** [CFL+16, DGP20, KC04, LFPC14]. **RUSALCA** [BIH10]. **Russia** [BEZ+22, Mas02]. **Russian** [BM15, Mal04, SL15a]. **RV** [BM15, EMG+15]. **Ryder** [BLO+17, LBM+17]. **Ryukyu** [DAN23, ATI+23].

**S** [Ano97b, Ano97c, LPS14, MAA+05, ONSSVGR04, SSV02, Bol08, CDJM04, CM99b, DI00, FUGG+09, GHIM04, GCB04, HMW00, HMSMK04, KNK15, KR95, LKC96, MHG+04, MK96, MFG+04, MF09, MAA+04, OA11, WDG+02]. **S-PALACE** [HMSMK04]. **S**. [Di 10, SNH+23]. **s.l** [CP18a]. **s.l.** [Mar13]. **S1**

[ID19]. **Sable** [GPC14, SSG14]. **sablefish** [CM16a, CM16b, GSC<sup>+19</sup>, RDSA<sup>+21</sup>, SHB14]. **Sabrina** [WMP<sup>+11</sup>]. **sac** [GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>]. **sac-spawning** [GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>]. **Safe** [GBI10]. **Safety** [ZDP<sup>+16</sup>]. **saffron** [HCAK17]. **Sag** [MWS<sup>+15</sup>]. **Sagartiidae** [SSK<sup>+23</sup>]. **sagax** [CDG00, PRORSV<sup>+19</sup>]. **SAGE** [Ano11b, CMRL11, Had11, HLS<sup>+11</sup>, KHE<sup>+11</sup>, LSS<sup>+11</sup>, PHS<sup>+11a</sup>, PHS<sup>+11b</sup>, SHL<sup>+11</sup>, SWLW11]. **Saharan** [GMC97, HZK<sup>+05</sup>, PMLM<sup>+02</sup>]. **saida** [CMNO23, CSS<sup>+22b</sup>, DTWF17, EGOO22, HTPM14, HCAK17, MEB<sup>+23</sup>, ODR<sup>+09</sup>]. **sailing** [MTG18]. **saira** [TSB<sup>+14</sup>]. **Sakai** [Mar18]. **Saline** [KL96b]. **salinities** [BS05, BS06]. **salinity** [AYMSAS19, ACG19, BZS<sup>+16</sup>, BL96, EOB03, ER05, FHP94, HDGM19, KT06, KMG<sup>+20</sup>, KVL<sup>+19</sup>, PS23, PC00, PSE<sup>+93</sup>, RAS23, RR10, SPH<sup>+03</sup>, SKMS08, Zon97]. **Salish** [DBC<sup>+19</sup>]. **Salmon** [MHG<sup>+17</sup>, ARWM13, ABC<sup>+05</sup>, AMK<sup>+05</sup>, BLH05, CBA<sup>+05</sup>, DMFD19, DMFB19, FMC<sup>+20</sup>, KUT<sup>+20</sup>, KKUK10, KMOM19, LWO<sup>+09</sup>, MBC<sup>+09b</sup>, OSM<sup>+20</sup>, RNB07, SMBL19, SAB08, TBH09, VBM<sup>+19</sup>, VSM17, WBA<sup>+17</sup>, YK05]. **salmonid** [Man94, SAB08]. **Salp** [KSL<sup>+04</sup>, PFP02, Pak04, IPH<sup>+17</sup>]. **Salp/krill** [PFP02, Pak04]. **Salpa** [KCMT<sup>+20</sup>, PH17]. **salps** [DB97b, LDGH16, RSR05]. **salt** [BCBF03, CWB02, Jen03, LBM98, LBY<sup>+10</sup>, MAR<sup>+17</sup>, TP99]. **salt-induced** [MAR<sup>+17</sup>]. **saltatory** [RG06b]. **same** [Ano05e, BU05]. **sample** [LTG<sup>+09</sup>]. **sampled** [ZA16]. **sampler** [BDW<sup>+96</sup>, BKY<sup>+17</sup>, LDHO<sup>+14</sup>]. **samples** [CMA<sup>+09</sup>, ETP<sup>+16</sup>, Ell93, HAP03, LCL<sup>+09</sup>]. **Sampling** [FH09, HLR<sup>+09</sup>, PFW<sup>+09</sup>, RDL<sup>+09</sup>, BCN<sup>+17</sup>, BHMK08, BKY<sup>+17</sup>, BL06, CDG00, CB09b, CM99b, GWP<sup>+98b</sup>, HSM11, KOM17, LHS96, LBM09, MLW<sup>+01</sup>, PBB<sup>+13</sup>, ROB<sup>+17</sup>, ROBV<sup>+18</sup>, SHM<sup>+11</sup>, SLB13b, TRM<sup>+15</sup>, VALW23, WBM<sup>+10</sup>]. **San** [MML06]. **Sanctuary** [PMF<sup>+17</sup>, LPA<sup>+17</sup>]. **sand** [BDL<sup>+22</sup>, SLLT10]. **Sanders** [BDG<sup>+04</sup>]. **Sandwich** [BJK<sup>+22</sup>, BCG<sup>+22</sup>, BN04, CWEHT22, CHH<sup>+22</sup>, HSR<sup>+22</sup>, HSD04, JSWB21, LTW<sup>+22</sup>, SHC<sup>+22</sup>, TM22, VVV04a, LRL<sup>+22</sup>]. **sanguinea** [OM14]. **Santa** [MDC<sup>+10</sup>, BFT10, CMVS<sup>+10</sup>, DCC<sup>+17</sup>, ESL<sup>+10</sup>, GBG15, KTL<sup>+00</sup>, MPB<sup>+18</sup>, OS04, RVD<sup>+10</sup>, SC10, Thu98]. **Santo** [MAR<sup>+17</sup>]. **Santos** [DCH04]. **Sanya** [bLHsL<sup>+13</sup>, ZHY<sup>+13</sup>]. **São** [GNT<sup>+17</sup>, MAR<sup>+17</sup>, NMN<sup>+17</sup>]. **sapropel** [ID19]. **SAR** [OCKA<sup>+11</sup>, TAB<sup>+16</sup>]. **Sarcodina** [PPC<sup>+07</sup>]. **sardine** [CDG00, MRSLM<sup>+19</sup>, PRORSV<sup>+19</sup>, SSP14, SGI<sup>+19</sup>, SM03, YK05]. **Sardinella** [SNH<sup>+23</sup>, SWK<sup>+23</sup>]. **Sardinia** [BLI<sup>+09</sup>]. **Sardinian** [TAC<sup>+17</sup>]. **Sardinops** [CDG00, PRORSV<sup>+19</sup>]. **Sargasso** [BTB<sup>+08</sup>, BOJ<sup>+10</sup>, BLC<sup>+08</sup>, CDS96, CAGL13, CRR01, DSK<sup>+13</sup>, DOC01, EMW<sup>+08</sup>, GMK<sup>+08</sup>, GS08, HC01, LBJ<sup>+13</sup>, MKRY01, NBSM01, NSY04, OENB01, PBN10, RN96, San13, SM96a, SCM<sup>+08</sup>, SS01, SZS<sup>+07</sup>, SWMB10, SMB03, WBM96]. **Sargassum** [BMS<sup>+18</sup>]. **Sars** [dLWFB08]. **Satellite** [BT04, DNR20, GSVCCCH12, GSdAMNMM04, GHB<sup>+05</sup>, KGKS20, MCS<sup>+02</sup>, MCS<sup>+03</sup>, OSCS04, SCM<sup>+08</sup>, TSWJ12, BDBB07, BPRS11, BSM01b, BTRL99, BOH<sup>+04</sup>, CFR<sup>+14</sup>, CFGR07, CFK15, CC15, COJ<sup>+09</sup>, CLQ<sup>+18</sup>, DKC<sup>+17</sup>, FRW00, FCP99, GMR06, GdRGLS04, Grü99, HRSJ23, HGAB04, HFKY05,

HHKH<sup>+04</sup>, HF21, HEW15, KLK<sup>+15</sup>, LMvDA16, LTH05, MML07, MRD13, MXC15, MC12, Mit96, MRM<sup>+12</sup>, OE06, OCKA<sup>+11</sup>, PWITH15, PG18, PW12, SiSA<sup>+02</sup>, Sch02a, THV<sup>+99</sup>, WH01b, WP17, WSL<sup>+11</sup>, Yu03, ZKSS06].

**satellite-based** [Sch02a]. **Satellite-derived** [GHB<sup>+05</sup>, BSM01b, CC15, LMvDA16, OE06, PG18]. **Satellite-measured** [BT04, LTH05]. **satellite-monitored** [MML07]. **satellite-observed** [WP17]. **satellite-tracked** [BTRL99, Grü99, HRSJ23]. **satellites** [KKMSM12, MSC04, RAS23]. **saturation** [JFM<sup>+17</sup>, TCH<sup>+16</sup>]. **Satya** [HBC<sup>+22</sup>]. **saury** [TSB<sup>+14</sup>]. **Savoonga** [FBB<sup>+13</sup>]. **Savoie** [BCD<sup>+09</sup>]. **SAZ** [BTD11, BGDT11, MMC11a, PHD<sup>+11</sup>, WGWW11, dSEDW11]. **SAZ-Sense** [BTD11, BGDT11, MMC11a, WGWW11, dSEDW11]. **SBI** [Ano05b, GH05, GHS09, CFKS05, CFS09]. **scale** [AML<sup>+19</sup>, AHVB<sup>+17</sup>, AKI<sup>+16</sup>, BH19a, BT98, BCH<sup>+19</sup>, BHBC08, CJ19, DCC<sup>+13</sup>, DVS<sup>+14</sup>, DLR11, DPY14, EHL02, FVW08, FM03b, Gag04, GdRGLS04, GMBL10, GBC<sup>+05</sup>, GHM<sup>+12</sup>, Gre04, HAH<sup>+01</sup>, HCWW01, HGM<sup>+11</sup>, Hol06, HPM02, HEW15, IARR01, IKR<sup>+12</sup>, JKK<sup>+10</sup>, KNV<sup>+10</sup>, KSBK01, KVS<sup>+09</sup>, aLCS15, LSHP01, LM96, MLW<sup>+01</sup>, MALT05, MKS<sup>+20</sup>, MPF<sup>+17</sup>, MMT08, MBO07, MMM<sup>+00</sup>, NRH<sup>+06</sup>, NHS<sup>+13</sup>, NDG96, OBA02, PBS06, PRDF08, PC18, PDA<sup>+17</sup>, PLA<sup>+17</sup>, PE17, PVRA07, PHS03, RR10, SGD<sup>+14a</sup>, SSLP95, SKW<sup>+04</sup>, SGB<sup>+08</sup>, Spa99, SHW<sup>+16</sup>, SCB<sup>+01</sup>, SMG<sup>+07</sup>, SSB<sup>+06</sup>, TSA<sup>+01</sup>, TDCV<sup>+06</sup>, VTA<sup>+11</sup>, WSL<sup>+11</sup>, vFvdBB<sup>+02</sup>, vHSM04b, vRPD<sup>+18</sup>]. **scale-dependent** [DVS<sup>+14</sup>]. **scales** [AL98, AMK<sup>+05</sup>, BBN97, BFH<sup>+11</sup>, BvGH<sup>+17</sup>, BF14, DHM<sup>+22</sup>, DOLP<sup>+09</sup>, DKP<sup>+17</sup>, FHR<sup>+11</sup>, HV03, KMLC<sup>+04</sup>, KBB07, MPL15, MLVM02, RMC<sup>+08</sup>, SLM<sup>+20</sup>, SWO<sup>+01</sup>]. **Scaling** [Fer06]. **scallop** [DKP<sup>+14</sup>, DVC14, SL06, TLW<sup>+94</sup>]. **Scandinavia** [SAM96]. **SCAR** [GDC11]. **SCAR-MarBIN** [GDC11]. **scatterers** [KMKA20]. **scattering** [BSRB17, DO96, LKD<sup>+15</sup>, MOT98, MCCM<sup>+98</sup>, OGBF08]. **Scatterometer** [LCW<sup>+07</sup>, SL11]. **Scavenger** [JTW00, DND04]. **Scavenging** [Ano96f, CAFK03b, CHL<sup>+95</sup>, HBCC13, OOG<sup>+07</sup>, SSL98, VvdLS11, AFB<sup>+94</sup>, CM99a, DHST13, HTD13, NZT97]. **scenario** [DFA<sup>+20</sup>, SBSW07, You10]. **scenarios** [MGGM19, MGG<sup>+17</sup>, PRORSV<sup>+19</sup>]. **schellenbergi** [LMLJ18]. **Schellenbergia** [BV04]. **scheme** [DGT<sup>+17a</sup>, HCJ<sup>+22</sup>, LHX<sup>+22</sup>]. **schemes** [SD22, WZZ<sup>+23</sup>]. **schooling** [KKM<sup>+10</sup>, NSBL94]. **schools** [OM98]. **Science** [JFC18, RBG18, ASBR17, ELP13, HD17, HBM<sup>+07</sup>, Jam18, OSG<sup>+13</sup>, Ano07c]. **Scientific** [Ano07d, HKY<sup>+13</sup>, KR07, PMJ20, RJ05, ROBV<sup>+18</sup>, Ver13]. **scleractinian** [WF13]. **scleractinians** [BFT10, CMVS<sup>+10</sup>, WTS08]. **scobina** [CRT<sup>+00</sup>]. **Scomber** [HiII<sup>+19</sup>, HiII<sup>+20</sup>, OUJ<sup>+19</sup>]. **Scomberomorus** [LTL<sup>+23</sup>, WYL<sup>+20</sup>]. **scombrus** [OUJ<sup>+19</sup>]. **scope** [DW15b]. **scope-based** [DW15b]. **Scopelocheirus** [LMLJ18]. **SCOR** [Ano06e]. **scorpius** [GNB<sup>+17</sup>]. **Scotia** [HiI04, PHM06, REWH11, SHB02, YKY<sup>+07</sup>, BTFB12, BND<sup>+04</sup>, CSF<sup>+12</sup>, CBJ<sup>+23</sup>, CL06, Dia04, FWC<sup>+12</sup>, HBC<sup>+23</sup>, HWN<sup>+04</sup>, HPN<sup>+12</sup>, HNK<sup>+12</sup>, HHNK<sup>+04</sup>, HHKH<sup>+04</sup>, JCM<sup>+13</sup>, KGE<sup>+04</sup>, KWW<sup>+12</sup>, Lin04, LSHP01, MSF<sup>+22</sup>, MTWH04, NCL13, RSWG04, RJB<sup>+04</sup>, SAVP12, SSG14, SAM<sup>+12</sup>,

TSW<sup>+12</sup>, Tho04, VMAW12, WGB<sup>+04</sup>, WAV<sup>+12</sup>, WAT12, WAK<sup>+12</sup>].  
**scotiae** [PB13]. **Scotian** [BBR<sup>+96</sup>, DSO<sup>+00</sup>, HS07, JCF<sup>+06a</sup>]. **Scottish**  
 [EQW<sup>+13</sup>]. **screening** [DCD<sup>+14</sup>]. **sculpin** [GNB<sup>+17</sup>]. **scyphomedusae**  
 [MMY<sup>+20</sup>]. **SE** [vdLBB<sup>+02</sup>, BNKJ23, FSG02, FS14, KDG<sup>+97</sup>, NGF09]. **Sea**  
 [AN06, AKBD13, Ano95b, Ano96f, Ano96g, Ano97b, Ano97c, Ano06b, ASV18,  
 AKI<sup>+16</sup>, ADGA06, BRCFP23, BS01, BTFB12, BTR95, BN04, BS06, BA02,  
 BFH<sup>+23</sup>, BLG11, BSH<sup>+11</sup>, CHPS00, CDL<sup>+00</sup>, CC00, CCK<sup>+16</sup>, CLMK13,  
 CA06b, CB01, CBB<sup>+00</sup>, CM16a, CMK<sup>+18</sup>, Cri95, CBF<sup>+16</sup>, Dan95, DIM<sup>+12</sup>,  
 DTWW21, DFY<sup>+23</sup>, Di 10, DDK<sup>+00</sup>, DCC<sup>+01</sup>, ENM<sup>+16</sup>, EWA<sup>+03a</sup>,  
 ECM<sup>+06</sup>, FLTV97, FS05, FTT<sup>+17</sup>, GLCP12, GASGB<sup>+14</sup>, GRS00, GAL<sup>+20</sup>,  
 Gol18, GBDM<sup>+14</sup>, GCJ<sup>+00</sup>, Gra09, GC18, GW15, HNW<sup>+08</sup>, HSS<sup>+12</sup>,  
 HMGD17, HBC<sup>+23</sup>, HiII<sup>+20</sup>, HLS<sup>+02</sup>, HWS<sup>+07</sup>, HZZ10, HKY<sup>+16</sup>, ITMG18,  
 JJVH18, JR11, KM05b, KBW<sup>+11</sup>, KOLA<sup>+18</sup>, KGB<sup>+14</sup>, KCY<sup>+16</sup>, KLJ<sup>+16</sup>,  
 LCD<sup>+24</sup>, LMB<sup>+98</sup>, LPJ<sup>+16</sup>, LKLK17, LTW<sup>+11</sup>, LXWC21, LXS<sup>+13</sup>,  
 LCDS00, LLM<sup>+03</sup>, MB13, MCB18, MSF<sup>+22</sup>, MW99, MDI<sup>+12</sup>, MDC<sup>+10</sup>,  
 MCS<sup>+03</sup>, MD14, MD17, MP94, MDS<sup>+16</sup>, MAA<sup>+05</sup>, MCG<sup>+98</sup>]. **Sea**  
 [Mun16, NG10, NHCL14, NWZL23, ORFA<sup>+14</sup>, PDH<sup>+11</sup>, PWTH15,  
 PKHH17, PNLFS03, PMF<sup>+17</sup>, RJT11, RVJG<sup>+05</sup>, RBB<sup>+97</sup>, RCF<sup>+16</sup>,  
 RBCG10, RDC<sup>+18a</sup>, SGPD<sup>+14</sup>, SCD14, Sco05, SRDV07, SMBM99, SKS<sup>+23</sup>,  
 SRF95, SSK<sup>+07</sup>, SET<sup>+09</sup>, SMHB00, Smi01, SDKH03, Spa99, SGL99, SH02,  
 SMSI08, SMGB03, SLB<sup>+16</sup>, SKM<sup>+14b</sup>, Sum19, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, SHC<sup>+00</sup>,  
 SSH<sup>+00</sup>, TCG<sup>+18</sup>, TKP<sup>+20</sup>, TSB<sup>+14</sup>, VSGM03a, WYOS18, WLA11,  
 WJD<sup>+00a</sup>, WPL<sup>+15</sup>, Won15, WKLM15, WWcW<sup>+15</sup>, XAY<sup>+11</sup>, YJL16,  
 YK04, YKSI19, Zar16, ZSKL19, ZQW19, ZZX<sup>+13</sup>, AVA23, ALWW04,  
 AM22a, Ala18, AP22, ADBW16, ALSF<sup>+17</sup>, ÁRR02, AGW<sup>+13</sup>, ANS<sup>+11</sup>,  
 Ano96d, ASMM11, ATS<sup>+96</sup>, AvD04, ALvD12, APP<sup>+14</sup>, ALT<sup>+13</sup>, AL13,  
 AKHR<sup>+20</sup>, BMHR08, BN97, BMS<sup>+18</sup>, BBL<sup>+13</sup>, BMD<sup>+17</sup>, BSS<sup>+17</sup>,  
 BCN<sup>+16</sup>, BS98, BCN<sup>+17</sup>, BGOL01, BSS20, BFH<sup>+11</sup>, BVL04, BCVCHW04,  
 BHMK08, BBE<sup>+13</sup>, BSM01b, BSJ13, BCE18, BT98]. **sea** [Bor01, BEZ<sup>+22</sup>,  
 BRSIW95, BG10, BBBM04, BDG<sup>+04</sup>, BBB<sup>+07</sup>, BE09, BEB11, BW14, BM15,  
 BSW<sup>+13</sup>, BCB07, BRB<sup>+13</sup>, BLG15, BGH<sup>+19</sup>, CFGR07, CAS<sup>+16</sup>, CV17,  
 CRS<sup>+19</sup>, CKFC18, CC15, CB18, CCL<sup>+14</sup>, Che13, CP18a, CP22, CKJ<sup>+16</sup>,  
 CKY23a, CKY23b, CM00, CHG15, CHV<sup>+15</sup>, CAJE15, CBMM15, CLGM05,  
 CJF<sup>+12</sup>, CSG<sup>+13</sup>, CFL<sup>+16</sup>, CMB02, CG04, CRD<sup>+17</sup>, CHS17, DWG<sup>+15</sup>,  
 DHCV19, DNM<sup>+16</sup>, DCL<sup>+09</sup>, DCC<sup>+13</sup>, DMC<sup>+17</sup>, DGT<sup>+17a</sup>, DOBH02,  
 DVC14, DGA<sup>+11</sup>, DRBM97, DZL<sup>+17</sup>, DDB<sup>+17</sup>, DCA<sup>+98</sup>, Dia04, DFD<sup>+11</sup>,  
 DFA<sup>+20</sup>, DLF<sup>+09b</sup>, DQC14, DFJ18, DCF<sup>+18</sup>, DBH<sup>+20</sup>, ESG<sup>+17</sup>, EB16,  
 EFR<sup>+16</sup>, EHL02, EGG<sup>+05</sup>, EBDL08, ESL<sup>+10</sup>, EWF<sup>+18</sup>, EHK<sup>+20</sup>,  
 ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, FMZ15, FWG<sup>+97</sup>, FVW08, FB14, FGW02, FvFC<sup>+11</sup>,  
 FDR<sup>+18</sup>, FUGG<sup>+09</sup>, FMS08, Gag04, GTSC08, GCS<sup>+12</sup>, GBB<sup>+17</sup>, GS06a,  
 GSM<sup>+08</sup>, GBP<sup>+13</sup>, GPBV<sup>+07</sup>, GIPLL<sup>+14</sup>, GBSL98, GFS99]. **sea**  
 [GBI10, GBO01, HKR<sup>+01</sup>, HCBL<sup>+17</sup>, HD17, HLS<sup>+11</sup>, HTS<sup>+09</sup>, Heb00,  
 HIK<sup>+08</sup>, HHW<sup>+08</sup>, HMAW11, HSR<sup>+16</sup>, HZS00, HC13, HH20, HGM<sup>+11</sup>,  
 HRM<sup>+18</sup>, HP08, HF21, HEW15, HVBO08, HBO11, IARR01, Ive04, JOD98,

JZ01, JTT04, Jaž15, JLY+16, JDL+12, JAP+13, JVL+16, KBB07, KBK+18, KAW+16, KBG+10, KB15, KT05, KWA+20, KCZ+19, KRF01, Kel10, KJB+08, Kha18, KFJ+05, KCD+17, KAHS20, KHL+15, KFS+17, KWT+16, KSDE16, KFTE14, KIS02, KHL+01, KGHA+01, LVJC17, LRGH+05, LFPC14, LRFK99, LK98, LOB+09, LT16, LRN+14, LKJ+15, aLCS15, LEP14, LSM+06a, LdSN+18, LZL+22, LMF+21, LFC16, LB14, LKTS01, LNDH+17, LDW22, LSOM16, LDSV98, Lut15, MBI+10, MA15, MA18a, MA18b, MDJS11, Mal04, MB07b, MB07a, MGE13, MFB18, MB18, MBP+20, MS06a, MP17, MLS01, MNN10, MB01, MSW+13, MKRY01, MGH+16]. **sea** [MRP+17, MLVM02, MTK+18, Men23, MBD+17, MSV+17, MLBB14, MDT+08, MXC15, MC12, MMDS18, MMN10, MS12, MTDK98, MS11, MC15, NMN+17, NGF09, NCCR+12, NSWY20, NYH+20, NTS+11, OGG+15, OMS06, OPDM11, OBRJ01, OKH+22, ODP+17, OCKA+11, PTO+16, Pal04, PK08, PSA14, PW15, PPM+17, PTD+17, PGC+11, PFdSG11, PP13, PL04, PEC+04, PFX+02, PSB14, PPFS17, PPF+15, PUB+06, PCB+17, Pra04, PCP+17, PFDD16, PRSS23, PDS+17, PGZ+09, ROB+17, RBDO17, RHD+11, RHW04, RMBW07, RRT+17, RDV+09, RSW+13, RE98, RGHN+97, RSCFT+13, RSCFT+16, RTI+16, RIHGS00, RAF+14a, RAF+14b, RKM23a, RLG07, RDdL+13, Rog00, RSS01, RRK+20, RSdV+09, RBP+94, Row13, RPZ+14, RNB07, SIA+05, SBM16, SGGW11, SS13a, SSWM18, SLS+09, SLS17, SBDB09, SI09, SSMM+08, SSHM+08, SBS+00, SSB+17, SE07, SWB+09]. **sea** [SRW+10, STFL+13, SDT+17, SDL22, SFV+98, Sha01, SBHS20, SS09, SSR13, SK07, SGW+15, SRS+15, SNS+07, SO98, SV09, SZH20, SNB02, SC16, SAW16, SSI19, ŠHW+04, STD+20, SDCH99, SBG+98, SLM98, SK02, SMS+08, SBM+13, SBR+97, Sor99, SMPSD04, Sot09, SMH+11, SWH08, SHW+16, SSC+23, SC15, STR+14, STWW01, SNK07, TBC+17, TSS+02, TSW+09, Thi01, Thi98, TP99, TCEW07, TWD+08, TD16, TLP+12, TMT+11, THT11, TML+16, TKF16, TMP+13, TLW+94, TLKT00, TNBL95, TY98, VGSV09, VTA+11, VK04, VKGP+11, VALM17, VHM17, VMI+08, VGD14, VAMPR+17, VHC+17, Vri09, Vri13, WW99, WF13, WSE+16, WLY+22, WZZ+23, WB09, Wat09, WJR+16, WBM+10, WTT+20, WNRM08, WACGH11, WAP+18, WAM+18, WDMEL01, Wil98, WLD+07, WTA+18, WYIT13, WMA11, WSL+11, WBA03, WL02, WPFB11, WPSB11]. **sea** [WPB11, XSL+17, YZZ+16, YZZ+19, YLG+18, YERT13, ZBC+13, ZLZ+15, ZJFV15, ZAC+15, ZWZ18, ŽSN+18, Zül05, AIW03, AN05, ASMH08, AM18, AM22b, ATJ05, ACBV+18, Ala13, Ala18, Ala22, APMN+17, AMvD+12, Ald95, AFC+17, AAG19, ASF+16, And00, ASN+02, AGN+02, APP+14, AGM+93, AI09, ASFI02, ADGA05, ACG+17, AMTE09, AS95, Avr02, AM07, AAL+17, BN05, BK99, BTB+08, BDR16, BCE+07, BH14, BDL+22, BFD+23, BDF00, BRM18, BRJM18, BKP+19, BE00, BEGC04, BMB+01, BG08, BMC99, BL99, BZ20, BFDB17, BMK+13, BCBF03, BH19a, BCM02, BSE+16, BKS+16, BGCH20, BDO00, BFT10, BDM+03, BF14, BPBJ13, Blo02, BCKH07, BIH10, BFL00, BSP00, BL00,

BSN18, BFML<sup>+08</sup>, BCE18, BSS<sup>+00</sup>, BZMC20, BRSIW95, BG09a, BND<sup>+04</sup>, BSS<sup>+02</sup>, BDR<sup>+03</sup>, BEB<sup>+13</sup>, BAF<sup>+18</sup>, BSL11, Bre93, BLW<sup>+09</sup>, BG09b]. **Sea**  
 [BWC<sup>+02</sup>, BM07, BMK09, BFS<sup>+17</sup>, BLB<sup>+99</sup>, BLC<sup>+02</sup>, BCP<sup>+15</sup>, BLP<sup>+15</sup>, BOKA16, BOJ<sup>+10</sup>, BLSS10, BBA<sup>+98</sup>, BLC<sup>+08</sup>, BGH<sup>+19</sup>, BES95, BOP95, BBB<sup>+01</sup>, ÇYB<sup>+18</sup>, CHW<sup>+12</sup>, CLC<sup>+98</sup>, CAS<sup>+16</sup>, CV17, CB97, CSL<sup>+22</sup>, CBCT09, CBBM12, COS<sup>+16</sup>, CDS96, CD99, CZP<sup>+08</sup>, CDRA08, CAGL13, CMB<sup>+97</sup>, CC13, CKFC18, CSE<sup>+22</sup>, CSGC03a, CLC<sup>+03</sup>, CD09, CC03, CSGC03b, ILCCC07, CMG<sup>+12</sup>, CHL<sup>+15</sup>, CSG<sup>+15</sup>, CLSS15, CCL<sup>+14</sup>, CCS<sup>+16</sup>, CHH<sup>+21</sup>, CWB02, Che13, CP18a, CP22, CLL<sup>+03</sup>, CHT<sup>+13</sup>, CW97, CSL<sup>+07</sup>, CB00a, CM00, CCC<sup>+03</sup>, CBSS02, COQ<sup>+18</sup>, CDRB16, CMC<sup>+05</sup>, CWTJ03, ÇYFB<sup>+06</sup>, ÇYAYT06, CDA98, CBC02, CMA<sup>+09</sup>, Cok16, CDH<sup>+00</sup>, CSF<sup>+12</sup>, CRR01, CLH<sup>+00</sup>, CKS05, CBJ<sup>+23</sup>, CJF<sup>+12</sup>, CSG<sup>+13</sup>, CFL<sup>+16</sup>, CCC<sup>+23</sup>, CSS<sup>+22a</sup>, CMB02, CG04, CMVS<sup>+10</sup>, Cor10, CL09, CML<sup>+09</sup>, CWE<sup>+17</sup>, CP02, CBK<sup>+07</sup>, CKB<sup>+07</sup>, CPEN08, CBK<sup>+22</sup>, CMB12, CML<sup>+14</sup>, CMC<sup>+02</sup>, DMS<sup>+10</sup>, DCC<sup>+17</sup>]. **Sea**  
 [DF16, DLG<sup>+14</sup>, DW15a, DEJ08, DYEJ08, DAA<sup>+20</sup>, Dau18, DSD12, DSK<sup>+13</sup>, DDAH<sup>+14</sup>, DGA<sup>+11</sup>, DC12, DCA09, DC00, DWM<sup>+15</sup>, DGK<sup>+22</sup>, DCM<sup>+99</sup>, DMC<sup>+01</sup>, DNG<sup>+12</sup>, DMS<sup>+98</sup>, DOB<sup>+01</sup>, DKS03, DKS11, DLL<sup>+15</sup>, DBL<sup>+05</sup>, DFJ18, DAGK<sup>+17</sup>, DKdS<sup>+03</sup>, DG18, DOC01, DSC<sup>+01</sup>, DFK<sup>+06</sup>, DABF<sup>+16</sup>, DBC<sup>+19</sup>, DGT14, DGT17b, DKZP16, ETP<sup>+16</sup>, ESK06, EBS99, ENM<sup>+14</sup>, EGL<sup>+16</sup>, EZB<sup>+20</sup>, EFR<sup>+19</sup>, EAF<sup>+17</sup>, EGMB13, EG0022, EBG<sup>+22</sup>, EMB<sup>+22</sup>, ESWL20, ESDM13, EOB03, EMW<sup>+08</sup>, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, FM13, FBB<sup>+13</sup>, FLTV04, FLTCV10, FHAH16, FMC<sup>+20</sup>, FL02, FJR<sup>+20</sup>, FC15, FWC<sup>+12</sup>, FWR<sup>+02</sup>, FJG<sup>+00</sup>, FK98, FA03, FHvFM08, FDR<sup>+18</sup>, FS02, FHT<sup>+14</sup>, FWZM12, FZW<sup>+13</sup>, FHW06, FAMY20, FHK18, FHYI03, GMK<sup>+08</sup>, GKH<sup>+07</sup>, GWL<sup>+15</sup>, GWZ16, GEP<sup>+16</sup>, GMS<sup>+02</sup>, GLCU<sup>+17</sup>, GGRW99, GGH98, GGH<sup>+00</sup>, GPÇ18, GMR<sup>+05</sup>, GDD<sup>+09</sup>, GAL<sup>+12</sup>, GMLB99, GGDF08, GLK<sup>+06a</sup>]. **Sea**  
 [GLK<sup>+06b</sup>, GdRGH<sup>+14</sup>, GGC19, GBH<sup>+17</sup>, GS08, GBP<sup>+13</sup>, GMB18, GM22, GWWL03, GP15, GP16, GLSK<sup>+17</sup>, GPBV<sup>+07</sup>, GBSL98, GBLS00, GBBS00, GHG<sup>+04</sup>, GBC<sup>+05</sup>, GHM<sup>+12</sup>, GOM<sup>+09</sup>, GGO<sup>+14</sup>, GW98, GFS99, GHD<sup>+18</sup>, GRSW00, Gri13, GKBG17, GK16, GMC<sup>+12</sup>, GMC97, GGRW98, GZZC10, GNHS05, HNW<sup>+08</sup>, HP98, HC01, HXF<sup>+23</sup>, HSS<sup>+12</sup>, HPS<sup>+13</sup>, HPL<sup>+12</sup>, HS13, HTPM14, HT17, HML99, Hat02a, Hat02b, HLZY10, HHW<sup>+08</sup>, HSFN13, HKS<sup>+11</sup>, HGK<sup>+18</sup>, HSHM02, HGB<sup>+13</sup>, HGB<sup>+16</sup>, HKC<sup>+21</sup>, HWN<sup>+04</sup>, HPN<sup>+12</sup>, HNK<sup>+12</sup>, HRS<sup>+23</sup>, HH20, HFKY05, HM06, HPY<sup>+15</sup>, HK08, HH05, HBC<sup>+12</sup>, HHH<sup>+22</sup>, HHNK<sup>+04</sup>, HHKH<sup>+04</sup>, HDPI99, HKMS03, HK10, HKP10, HWS<sup>+13</sup>, HTM<sup>+03</sup>, HSD04, HMSMK04, HFL<sup>+15</sup>, HZ19, HHX<sup>+10</sup>, HZN<sup>+16</sup>, HZWW16, HXC<sup>+22</sup>, HLL<sup>+09</sup>, HHR<sup>+08</sup>, HCG<sup>+03</sup>, HWC07, HSW<sup>+02</sup>, HBJ02, HSSN08, HPS<sup>+11</sup>, HRK14, HRG<sup>+16</sup>, HBB<sup>+13</sup>, HON<sup>+13</sup>, Hus16, IS07, IBD10, IMG<sup>+19</sup>, ITT12, IOTS16]. **Sea**  
 [IABR<sup>+17</sup>, IOK03, IFFGL<sup>+04</sup>, IGP<sup>+06</sup>, IKR<sup>+12</sup>, IPTH03, ITM<sup>+12</sup>, ITK<sup>+16</sup>, JTW00, JTT04, JT07, JMW<sup>+20</sup>, JCM<sup>+13</sup>, JLY<sup>+16</sup>, JZX10, JLR<sup>+13</sup>, JCP17, JKP<sup>+17</sup>, JPZ93, JLB<sup>+99</sup>, JWC<sup>+01</sup>, JHHK14, JSP<sup>+17</sup>, KHS<sup>+02</sup>, KKSA19,

Kam13, Kam18, KMT20, KIIW03, KJL<sup>+17</sup>, KLL03, KLTS13, KGE<sup>+04</sup>,  
 KT05, KDMH18, KBKW13, KME18, KFJ<sup>+05</sup>, KBVM13, KSH12, KMM<sup>+08</sup>,  
 KFH01, KLY<sup>+15</sup>, KKT16, KKK<sup>+17</sup>, KAM<sup>+20</sup>, KMD<sup>+99</sup>, KMDW01,  
 KMO09, KBSS93, KMD<sup>+01</sup>, KGS23, KYKJ16, KFK06, KOT<sup>+20</sup>, KIM08,  
 KFTE14, KRGT14, KTF07, KMLT06, KSS00a, KW00, KWW<sup>+12</sup>, KOR06,  
 KL13, KLČ<sup>+19</sup>, KRLH14, KRG<sup>+01</sup>, KN05, KSS<sup>+00b</sup>, KHL<sup>+17</sup>, KHH<sup>+17</sup>,  
 Kyt02a, LLK<sup>+16</sup>, LTG<sup>+09</sup>, LCVV06, LS12, LRGH<sup>+05</sup>, LGHD20, LLD<sup>+17</sup>,  
 LG00, LBC<sup>+98</sup>, LS14a, LMM<sup>+17</sup>, LG09, Las93, LB98a, LPK<sup>+17</sup>, LLB<sup>+00</sup>,  
 LJBF00, LC03, LLLP<sup>+03</sup>, LN05, LPW<sup>+09</sup>, LGK15, aLCS15, LJL<sup>+17</sup>,  
 LAP<sup>+17</sup>, LVP13, LMS09, LGML00, LL00]. **Sea** [LTW<sup>+11</sup>, LGQ99, LYN<sup>+13</sup>,  
 LLH<sup>+15</sup>, LW15, LWW<sup>+15</sup>, LZC<sup>+16</sup>, LWL<sup>+16</sup>, LCW<sup>+07</sup>, LH07, LRH<sup>+11</sup>,  
 LGC<sup>+12</sup>, LHZJ13, LHZ<sup>+16</sup>, LPM<sup>+19</sup>, LSHB09, Lin16, LLM<sup>+17</sup>, LBB<sup>+07</sup>,  
 LTS<sup>+97</sup>, LL14, LCL<sup>+98</sup>, LPSS03, LKH<sup>+07</sup>, LCT<sup>+07b</sup>, LCT<sup>+07a</sup>, LS10,  
 LBY<sup>+10</sup>, LCL<sup>+10</sup>, LZZ<sup>+16</sup>, LLS<sup>+19</sup>, LSA14, LGR<sup>+14</sup>, LRDS18, LMC<sup>+12</sup>,  
 LBJ<sup>+13</sup>, LS14b, LJB18, LPS14, LvDA14, LPM<sup>+15</sup>, LSL<sup>+15</sup>, LP14, LWGS00,  
 LSOM16, LOFC00, MAH<sup>+12</sup>, MHO02, Mac08, MGHN01, MMY<sup>+20</sup>, MA13,  
 MA18a, MA18b, MTR<sup>+10</sup>, MGE13, MG22, Mar18, MDH<sup>+98</sup>, MTBB00,  
 MMD17, MCPA02, MC02, Mar13, MGMP02, MPS<sup>+21</sup>, MHB05, MBHB09,  
 MCM<sup>+14</sup>, MW05a, MAK<sup>+16</sup>, MES<sup>+23</sup>, MGN99, MKRY01, McP08,  
 MGS<sup>+10</sup>, MMWM00, MV99, Men23, MDT<sup>+08</sup>, MCJ<sup>+99</sup>, MDH16, MDO<sup>+98</sup>,  
 MW05b, MBM<sup>+00</sup>, MMDS18, MiSW08, ML20, MBS05, MGC<sup>+14</sup>, MKH<sup>+05</sup>,  
 MLK<sup>+12</sup>, MR08, MFS<sup>+23</sup>, MKD23, MSRM08, MCL<sup>+12</sup>, MBC<sup>+20</sup>, MQD06,  
 MBTM97, MCS<sup>+99</sup>, MPHf02]. **Sea** [MFM<sup>+18</sup>, MPS<sup>+03</sup>, MTWH04,  
 MHG<sup>+17</sup>, MWB95, MMM<sup>+00</sup>, Mur06, MBG09, MSA<sup>+14</sup>, NAT<sup>+12</sup>, NISG05,  
 NBB<sup>+02</sup>, NS93, NSLAP<sup>+17</sup>, NCK<sup>+22</sup>, NBSM01, NSY04, NMW<sup>+09</sup>, NRS14,  
 NVBJ08, NCE<sup>+23</sup>, NLS<sup>+10</sup>, NLY<sup>+13</sup>, NG07, NMC<sup>+07</sup>, NYH<sup>+20</sup>, NRM<sup>+99</sup>,  
 NHBM10, NBCT13, NBBBT13, NEN<sup>+07</sup>, NZT97, NCL13, OMG<sup>+11</sup>,  
 OUK03, OMY<sup>+03</sup>, OHT12, OE06, OYM<sup>+13</sup>, ONRW10, OM16, OTNT05,  
 OTK<sup>+05</sup>, OTA<sup>+05</sup>, OSCS04, OCP18, OACA19, OOG<sup>+07</sup>, OT10, OHFW93,  
 OS02, OENB01, OT12, ODR<sup>+09</sup>, OW09, OAH<sup>+16</sup>, OBH<sup>+18</sup>, OT03, OBA02,  
 OWW<sup>+12</sup>, OGG<sup>+20</sup>, OCKA<sup>+11</sup>, PHOM09, PAM<sup>+04</sup>, PW15, PLD<sup>+17</sup>,  
 PHH<sup>+16</sup>, PW05, PK13, PSHF<sup>+13</sup>, PSUH<sup>+16</sup>, PLdL97, PPZ93, PAR<sup>+08</sup>,  
 PS23, PP95, PTP09, PÓ17, PDA<sup>+17</sup>, PL00, PSK00a, PPT<sup>+10</sup>, PNL<sup>+19</sup>,  
 PMGH01, PBVC<sup>+16</sup>, PBN10, PCH<sup>+22</sup>, PN93, PC08, PE17, PTA<sup>+99</sup>,  
 PBNF<sup>+16</sup>, PDB<sup>+16</sup>, PST<sup>+05</sup>, PSS<sup>+16</sup>, PRA<sup>+95</sup>, PJ99]. **Sea**  
 [PRJW05, PFG<sup>+03</sup>, PS05, PDS00, PAUB19, PVT<sup>+21</sup>, PKZ<sup>+19</sup>, PRSS23,  
 PWN<sup>+11</sup>, PZK<sup>+05</sup>, POA<sup>+16</sup>, RSR<sup>+19</sup>, RRMM05, RSR05, RCW<sup>+15</sup>,  
 RKTG14, RTC06, RS02, RWR<sup>+02</sup>, RH07, RSWG04, RJB<sup>+04</sup>, RRWR08,  
 RZL<sup>+10</sup>, RZS<sup>+16</sup>, RMC<sup>+08</sup>, RDW<sup>+12</sup>, RAF<sup>+11</sup>, RD16, RJDR06, RSF<sup>+99</sup>,  
 RJ05, RWRS08, RHI00, RI05, RVGF02, RHB<sup>+95</sup>, RG93, RIBW99, RBO07,  
 RKM23a, RSW<sup>+00</sup>, RNP93, RBB<sup>+97</sup>, RD02, RČG18, ROBV<sup>+18</sup>, RKM<sup>+22</sup>,  
 RKM<sup>+23b</sup>, RN96, SCM<sup>+02</sup>, SIA<sup>+05</sup>, Sam01, SMZ<sup>+08</sup>, SBM16, SS13a,  
 SSK<sup>+23</sup>, San13, SNS10, SSI<sup>+99</sup>, SKS<sup>+16</sup>, SAG<sup>+10</sup>, SA15a, SA18, SHGB95,  
 SC10, SAVP12, SSMM<sup>+08</sup>, SSHM<sup>+08</sup>, SBS<sup>+00</sup>, SRY04, SHA02, SBD05,



SWC09, Sco05, SHS<sup>+12</sup>, SSY<sup>+05</sup>, SOS01, SRH<sup>+11</sup>, SSR13, SW01, SZG<sup>+13</sup>, SGW<sup>+15</sup>, SGC03, SNS<sup>+07</sup>, SHH03, SSK<sup>+05</sup>, SET<sup>+09</sup>, SID19, SHM13, SZH20, SM96a, STM04a, STM04b, SCM<sup>+08</sup>, SKR<sup>+12</sup>]. **Sea** [SSE<sup>+14</sup>, SNS<sup>+16</sup>, SS02, SZV<sup>+19</sup>, SDCH99, ST07, SW00, SDAH<sup>+12</sup>, SSDA13, SEN<sup>+95</sup>, SRP<sup>+98</sup>, SLH<sup>+00</sup>, Smi01, SHR02, SDMC03, SSP<sup>+06</sup>, SHM<sup>+07</sup>, SJM02, SSR96, SP00, SKK<sup>+16</sup>, SLZ<sup>+16</sup>, SS01, SABP<sup>+16</sup>, SKGD14, SGD14b, SPB<sup>+14</sup>, SNFK20, SKSW02, SBS07, SFK<sup>+12</sup>, SKM<sup>+12</sup>, SDK<sup>+16</sup>, SBB<sup>+19</sup>, SMS20, SM20, SM23, SFH<sup>+18</sup>, SGM<sup>+14</sup>, SWH08, SMGB02, SBE<sup>+99</sup>, Ste13, SL12, SWSL14, SWG14, SZS<sup>+07</sup>, SAM<sup>+12</sup>, SBS<sup>+02</sup>, SHPM14, SF08, SNW08, SDLZ13, SLB<sup>+15</sup>, SKH<sup>+10a</sup>, SKM<sup>+14b</sup>, Sum19, SHY10, SESS08, SJSI00, SWMB10, SMLS02, SMB03, SAB08, SNK07, SCM<sup>+09</sup>, Tak05, TRO16, TGA<sup>+09</sup>, TRH<sup>+08</sup>, TOSH08, TR02, Tan03, TT05, TSZ10, TSZT13, TSW<sup>+12</sup>, TBEW99, TLF97, TMP<sup>+19</sup>, Tho04, TDCV<sup>+06</sup>, TWL<sup>+15</sup>, TP99, TKF07, TŠŠ<sup>+19</sup>, TLR<sup>+00</sup>, Tou99, TTCD14, TPP<sup>+20</sup>, TIS<sup>+13</sup>, TIKS03, TTA<sup>+16</sup>, TO95, TOP95, TWG00, TLMT97, UKM16]. **Sea** [UKJ<sup>+20</sup>, UFAK06, UC13, VMBS03, VNA<sup>+16</sup>, VJP<sup>+10</sup>, VJF23, VV23, VPK<sup>+19</sup>, VMAW12, VKM13, VVV04b, VSC<sup>+11</sup>, VCDAL14, VWTK18, WPHL02, WAPL95, WWH<sup>+10</sup>, WT14, WLD15, WZC<sup>+19</sup>, WRZ<sup>+19</sup>, WZZ<sup>+19</sup>, WL20, WPD22, WGB<sup>+04</sup>, WAV<sup>+12</sup>, WAT12, WBM96, WCB08, WBA<sup>+17</sup>, WGR<sup>+95</sup>, WOM<sup>+16</sup>, WSLP10, WZW<sup>+22</sup>, WAW<sup>+05a</sup>, WFW<sup>+17</sup>, WBJ<sup>+98</sup>, WFR<sup>+02</sup>, WYPY06, WPW95, WAK<sup>+12</sup>, WBD17, WABW02, WWV12, WJD<sup>+00b</sup>, WMM02, WSB13, WDMEL01, WTZ02, WGMC14, WCS07, WGG98, WP00, Wit00, WLL00, WZ03, WKM<sup>+07c</sup>, WYIT13, WP17, WLC99, WAW05b, WRS99, WTSP07, WC07b, WDC<sup>+15</sup>, WCL<sup>+15b</sup>, WLH<sup>+16</sup>, WYT19, XGL15, XAY<sup>+11</sup>, XSM<sup>+19</sup>, XZM<sup>+23</sup>, YLD09, YCD<sup>+06</sup>, YCN<sup>+10</sup>, YKS03, YHK15, YLR18, YXC<sup>+19</sup>, YCT<sup>+22</sup>, YMC<sup>+22</sup>, YD09, YCA<sup>+20</sup>, YZZ<sup>+16</sup>, YZZ<sup>+19</sup>, YET06, YCYTKB06, Ynd09, YK04, YKS119, YAOW05, YKY<sup>+07</sup>, YNK07, YCYK10, YXZ<sup>+22</sup>, YBC<sup>+17</sup>, YHL<sup>+12</sup>, YLK<sup>+15</sup>, ZCP<sup>+08</sup>, Zar16, ZHD<sup>+08</sup>]. **Sea** [ZFP<sup>+16</sup>, ZWM12, ZHY<sup>+13</sup>, ZWC<sup>+15</sup>, ZLZ<sup>+15</sup>, ZAC<sup>+15</sup>, ZHX<sup>+16</sup>, ZZY<sup>+19</sup>, ZLW<sup>+19</sup>, ZSKL19, ZWQ<sup>+19</sup>, ZSZ<sup>+19</sup>, ZWJ<sup>+19</sup>, ZXLL10, ZSLL15, ZZZ<sup>+16</sup>, ZXH<sup>+13</sup>, ZS19, ZNPR09, ZWL<sup>+22</sup>, Zon97, ZB00, ZFA<sup>+02</sup>, dBC<sup>+09</sup>, dSG09a, vC97, vdLCS<sup>+11</sup>, CDB94]. **Sea-air** [ITMG18, FWG<sup>+97</sup>]. **sea-disposed** [EFR<sup>+16</sup>, TD16]. **sea-floor** [LSM<sup>+06a</sup>]. **Sea-ice** [Gra09, MW99, RCF<sup>+16</sup>, WYOS18, WLA11, XAY<sup>+11</sup>, AvD04, BCVCHW04, BRSIW95, CAS<sup>+16</sup>, CSG<sup>+13</sup>, DGA<sup>+11</sup>, DCF<sup>+18</sup>, FGW02, FMS08, GBI10, HHW<sup>+08</sup>, HMAW11, HSR<sup>+16</sup>, HH20, HVBO08, JVL<sup>+16</sup>, KT05, LDW22, MGH<sup>+16</sup>, NYH<sup>+20</sup>, PEC<sup>+04</sup>, SIA<sup>+05</sup>, SMS<sup>+08</sup>, SMH<sup>+11</sup>, SWH08, THT11, VMI<sup>+08</sup>, WSE<sup>+16</sup>, WMA11, WSL<sup>+11</sup>, WBA03]. **Sea-ice-thickness** [SET<sup>+09</sup>]. **sea-level** [EHL02]. **Sea-surface** [Dan95, ECM<sup>+06</sup>, GLCP12, HZZ10, ATS<sup>+96</sup>, BHMK08, BSM01b, EHK<sup>+20</sup>, KIS02, MB01, MKRY01, MC12, Pal04, SWB<sup>+09</sup>, SMPSD04, SMH<sup>+11</sup>, WDMEL01, DKdS<sup>+03</sup>]. **sea-to-air** [FUGG<sup>+09</sup>, YZZ<sup>+16</sup>, YZZ<sup>+19</sup>]. **Sea-viewing** [STM04a, STM04b]. **Sea/Japan** [YK04]. **Sea/Sea** [ZSKL19]. **SeaBeam** [CES98]. **seabed**

[LLC17, SNPS01]. **Seabight** [RRL<sup>+</sup>14, BRG17]. **Seabird** [REWH11, SAB08, WRBS10, AST<sup>+</sup>05, HV03, JTK<sup>+</sup>14, JHHK14, KCO<sup>+</sup>19, KCL20, NYH<sup>+</sup>20, OMS06, PDA<sup>+</sup>17, PLA<sup>+</sup>17, RMD<sup>+</sup>12, RAF<sup>+</sup>11, SBSW07, STS<sup>+</sup>15, VLP<sup>+</sup>17, WTT<sup>+</sup>20]. **seabird-prey** [NYH<sup>+</sup>20]. **seabirds** [AH17, BFSK08, BSR08, BSRM08, CRF04, EQW<sup>+</sup>13, HPS<sup>+</sup>13, HRK14, JNBJ17, SM12, SVJ<sup>+</sup>08, SSJ<sup>+</sup>22, SJJ19, Wei07, YKN07, vFvdBB<sup>+</sup>02]. **Seafloor** [BH03, ÇYB<sup>+</sup>18, CPW<sup>+</sup>18, CTT09, NCCR<sup>+</sup>12, ABG<sup>+</sup>20, Blu01, CGG<sup>+</sup>19, DME<sup>+</sup>18, GTB15, HDR<sup>+</sup>11, HSM<sup>+</sup>01a, HDW<sup>+</sup>20, NKE11, NHS<sup>+</sup>13, SHD<sup>+</sup>96, SDLZ13, TD16]. **seagrass** [AHHCR23]. **seal** [AHB<sup>+</sup>17, CRJ<sup>+</sup>08, DFMW13, KY17, RSL05, SMA<sup>+</sup>17, SSWM18, VGGLB15]. **sealing** [BCG<sup>+</sup>22]. **seals** [BCE<sup>+</sup>07, BLB<sup>+</sup>11, BSR<sup>+</sup>18, BZMC20, BTLC98, BCF<sup>+</sup>04, BHBC08, CKH<sup>+</sup>08, CBK<sup>+</sup>22, FPHH<sup>+</sup>09, FHvFM08, FMWD07, GFCS04, GBC<sup>+</sup>13, GHM18, GBH<sup>+</sup>17, HCZ<sup>+</sup>07, HAGW<sup>+</sup>13, MCS07, MCBC08, MdSLH13, NBCT13, NBBBT13, SM12, SVJ<sup>+</sup>08, VHC<sup>+</sup>17].

**Seamount** [BRP<sup>+</sup>13, CDJ<sup>+</sup>22, LDBS<sup>+</sup>17, MAN<sup>+</sup>20, MTDK98, ZBC<sup>+</sup>13, BLM13, BSCR11, CVA<sup>+</sup>13, CSM<sup>+</sup>13a, CGPM13, LCK<sup>+</sup>18, MDG13, MG13, MWB<sup>+</sup>09, PGPI<sup>+</sup>13, PGPP<sup>+</sup>13, PCP<sup>+</sup>17, RG13, RNR20, SMB<sup>+</sup>13, THM<sup>+</sup>13, VHT<sup>+</sup>20, VOK<sup>+</sup>24, BOC18, CMH09, ID19, MPE<sup>+</sup>09, MWB<sup>+</sup>09, SCCG09, TMC04]. **Seamount-induced** [CDJ<sup>+</sup>22]. **Seamounts** [KVB<sup>+</sup>09, MGT<sup>+</sup>20, ACD<sup>+</sup>17, ATLD<sup>+</sup>20, ACR<sup>+</sup>20, AMV<sup>+</sup>09, CSM13b, CRA<sup>+</sup>20, CW09, CBA<sup>+</sup>20, DCL<sup>+</sup>09, DNR20, DRR17, GMB13, HNM<sup>+</sup>20, HRX17, HMC09, MC09, MBP09, NRSL17, NRH<sup>+</sup>20, PR17, RP17, RTM<sup>+</sup>20, RT20, RAB<sup>+</sup>17, Rog17, SWB<sup>+</sup>18, SBC17, VTD<sup>+</sup>20, BMP<sup>+</sup>09, MRMP09, VAK<sup>+</sup>09]. **Search** [BKS<sup>+</sup>16, KK19, RG06b]. **SEAS** [JJVH18, BLB<sup>+</sup>11, Dia04, Bea09, Car07, CMNO23, DSW20, GGTMG<sup>+</sup>10, GGRJD<sup>+</sup>10, GGI03, HTTS12, HS05b, LGP<sup>+</sup>03, MN10, MSM10, NEN<sup>+</sup>07, TTL<sup>+</sup>16, Uys06, VPA<sup>+</sup>20, WBO07, WZ03, ATN<sup>+</sup>12, AGP05, BHMC05, BBH05, BAS00, CG07, CMV<sup>+</sup>20, CGG<sup>+</sup>19, CL06, DEL<sup>+</sup>17, DB05, DTWF17, EGG<sup>+</sup>05, FNS20, FB05, GCCG13, Gra09, GNB<sup>+</sup>17, HCAK17, Hil04, HCS05, HZZ10, JRK<sup>+</sup>17, KBE<sup>+</sup>04, KLD21, KCL20, LGC<sup>+</sup>12, LD07, LBM<sup>+</sup>20, LWJR22, LFC16, MCL<sup>+</sup>19, MCK<sup>+</sup>19, MNN10, MA09, NSWY20, ODH<sup>+</sup>07, OUJ<sup>+</sup>19, OBKA17, PVK<sup>+</sup>20, PKA95, PCAS05, PPF<sup>+</sup>15, PdBK<sup>+</sup>03, RPB99, RRK<sup>+</sup>20, REWH11, SMB<sup>+</sup>17, STD<sup>+</sup>20, VSM17, WDM<sup>+</sup>05, WCC05, WOS12, YH10]. **season** [AST<sup>+</sup>05, CAMA<sup>+</sup>02, CMNO23, CWEHT22, KYI10a, SBA18, VSGGPR14]. **Seasonal** [APMN<sup>+</sup>17, dSVC<sup>+</sup>14, AMTE09, BN97, BRJM18, BMK96, BHMC05, BL96, BHS<sup>+</sup>17, BM07, BD06, CD09, ILC007, CWS05, CVM<sup>+</sup>01a, CMW<sup>+</sup>08, CRR01, CPH01, CLPL<sup>+</sup>09, CP05, CKL03, DDN<sup>+</sup>04, DB05, DC00, Di 03, DMS<sup>+</sup>98, DI00, FBC<sup>+</sup>02, GRS00, GSW<sup>+</sup>09, GWWL03, GCJ<sup>+</sup>00, HXF<sup>+</sup>23, HWM02, HLL<sup>+</sup>10, HHH<sup>+</sup>14, HMW00, HK01, HRK14, JC03, JCM<sup>+</sup>13, JKP<sup>+</sup>17, JRGLJ<sup>+</sup>19, KCD<sup>+</sup>96, KNG02, KC03, KAM<sup>+</sup>20, KL03, KN05, KKNH02, LUV99, Lad14, LAMS<sup>+</sup>01, LSB<sup>+</sup>02, LPA<sup>+</sup>17, LAB<sup>+</sup>17, aLCS15, LJL<sup>+</sup>17, LCG03, LDWK96, LHM14b, LSGM02, LH07, LZB96, LIS<sup>+</sup>02, LCT<sup>+</sup>07a, LCL<sup>+</sup>10, LZZ<sup>+</sup>16, MHG<sup>+</sup>04, MCPA02, MC02,

MB01, MDTS08, MC18b, MV99, MAR<sup>+15</sup>, MNR<sup>+11</sup>, MPF<sup>+17</sup>, MCJ<sup>+99</sup>,  
 MXC15, MSS<sup>+02</sup>, MMC11a, MKH<sup>+05</sup>, MLK<sup>+12</sup>, MOA<sup>+18</sup>, MBC<sup>+20</sup>,  
 MCG<sup>+98</sup>, MGC<sup>+01</sup>, MSBS01, ONRW10, OMAA18, Pal04, PVK<sup>+20</sup>, PC00,  
 PNL<sup>+19</sup>, PCAS05, PLHMA06, PPR<sup>+20b</sup>, RRRMM05]. **Seasonal**  
 [RMA<sup>+20</sup>, RTFB09, RRS<sup>+98</sup>, RMBG11, SMLP04, SSH<sup>+02</sup>, SWK<sup>+23</sup>,  
 SSI<sup>+99</sup>, SG99, SBSH99, SIS<sup>+02</sup>, SGW<sup>+15</sup>, SGC03, SRP<sup>+98</sup>, SMS03,  
 SFPH<sup>+08</sup>, SMS20, SCGB18, SAB<sup>+07</sup>, SMB<sup>+18</sup>, SGD<sup>+03</sup>, TSW<sup>+12</sup>,  
 TCM<sup>+04</sup>, TNIW02, VH99, VABCR<sup>+24</sup>, WFA<sup>+95</sup>, WWC<sup>+99</sup>, WYW<sup>+02</sup>,  
 WWN<sup>+02</sup>, vRPD<sup>+18</sup>, ACH02, ATS<sup>+96</sup>, ABC<sup>+05</sup>, BPC05, BMK<sup>+13</sup>, BH19a,  
 BMRTL93, BKD06, BDR<sup>+03</sup>, BT04, CTW<sup>+15</sup>, CFL<sup>+99</sup>, CBF<sup>+13</sup>, CBF<sup>+16</sup>,  
 CDJM04, CMC<sup>+02</sup>, DSN<sup>+10</sup>, DBL<sup>+19</sup>, DCC<sup>+01</sup>, ESK<sup>+23</sup>, FPW02,  
 GRD<sup>+08</sup>, GGRW99, GLM04, GGTMG<sup>+10</sup>, GGRW98, HBC<sup>+23</sup>, HPN<sup>+12</sup>,  
 HRM<sup>+11</sup>, HPS<sup>+11</sup>, HON<sup>+13</sup>, HD02, INTS02, JBVW12, JBM<sup>+08</sup>, KW03,  
 KT05, KCZ<sup>+19</sup>, KTL<sup>+00</sup>, KWW<sup>+12</sup>, KVS<sup>+09</sup>, LVP<sup>+17</sup>, LWL<sup>+24</sup>, LJBF00,  
 LBM<sup>+17</sup>, LMC<sup>+12</sup>, LG15, MHS01, MHB05, MALT05, MCH22, MO96,  
 MSM<sup>+02</sup>, MTWH04, NLHB01, NBSF01, OGRdO18, OENB01, OLG<sup>+01</sup>,  
 OAH<sup>+16</sup>, PDC<sup>+99</sup>, PDA<sup>+17</sup>, PLA<sup>+17</sup>, PMGH01, PAM<sup>+14</sup>, RJDR06].  
**seasonal** [Roy05, SCL<sup>+04</sup>, SMS<sup>+07</sup>, SLA<sup>+01</sup>, SNB02, SMHB00, SDKH03,  
 SJL05, SWLL23, SBH<sup>+02</sup>, SFB19, SFP<sup>+09</sup>, TSS<sup>+02</sup>, TRHA01, VCDAL14,  
 VSV<sup>+97</sup>, VLP<sup>+17</sup>, Wal94a, WDM<sup>+05</sup>, WAV<sup>+12</sup>, WAT12, WGG98, ZWM12,  
 ZHY<sup>+13</sup>, Ano96g, SVR<sup>+00</sup>, SJ00]. **Seasonal-** [vRPD<sup>+18</sup>]. **Seasonality**  
 [BGCH20, BG09a, CS19, IOK03, MCK<sup>+19</sup>, MMT08, NFD<sup>+02</sup>, PS20, Row13,  
 SHW<sup>+04</sup>, UIS<sup>+03</sup>, ZSIW21, AGGdC14, BE00, BOH<sup>+04</sup>, HXC<sup>+22</sup>, LLD<sup>+17</sup>,  
 LPD<sup>+17</sup>, PVT<sup>+21</sup>]. **seasonally**  
 [CDRA08, GKB<sup>+18</sup>, KSM<sup>+11</sup>, RHPC<sup>+19</sup>, TBSP<sup>+18</sup>]. **seasons**  
 [BLC<sup>+02</sup>, CLSS15, DLL<sup>+15</sup>, KJL<sup>+17</sup>, NVK<sup>+04</sup>, Sam01]. **SEATS**  
 [WKM<sup>+07b</sup>, WKM<sup>+07c</sup>, CSL<sup>+07</sup>, LCT<sup>+07a</sup>, TWC<sup>+07</sup>, WTWC07].  
**seawater** [BFC<sup>+06</sup>, FHT<sup>+14</sup>, HOD<sup>+09</sup>, Ike03, KGdC<sup>+18</sup>, KGW96, NHS<sup>+09</sup>,  
 PPS<sup>+16</sup>, SMY<sup>+98</sup>, SKD<sup>+16</sup>, SLS<sup>+10</sup>, VS10, WCL<sup>+15b</sup>]. **SeaWiFS**  
 [STM04b, HGAB04, BEGC04, BY04, DNH<sup>+02</sup>, Fri01, Gre01, HSO04,  
 KBE<sup>+04</sup>, KWW04, MDH08, MFH04, RD97, SMLP04, SRY04, Ste04,  
 SBH<sup>+01</sup>, UY04, HZK04]. **SeaWiFS-derived** [SMLP04]. **SeaWinds** [SL11].  
**Sebastes** [CM16a, CM16b, SCH<sup>+19b</sup>]. **second** [CTBNL08, HBV19, STF09,  
 STM04b, WZZ<sup>+23</sup>, BHT22, HB19, HBVG20, HBVG22, RDL<sup>+09</sup>].  
**second-moment** [WZZ<sup>+23</sup>]. **Secondary** [SR08b, BT15, MBP09, ZJA16].  
**secrets** [LWB<sup>+07</sup>]. **Section**  
 [Cra97, JM15, BH97, CAS<sup>+97</sup>, MHFM15, RSB<sup>+15</sup>, Whe97, BSS15]. **sections**  
 [BHLS15, JLL<sup>+15</sup>, JSBC15, RPS<sup>+11</sup>, SWCB02, WSFB02, vOSG<sup>+11</sup>]. **Sector**  
 [HMS<sup>+03</sup>, KCMT<sup>+20</sup>, MHA<sup>+15</sup>, RGTV97, SWGPK17, SLP<sup>+17</sup>, VMBS03,  
 AA15, ACSI15, ADAM02, BC11, BSK<sup>+97</sup>, Bec97, BBM<sup>+08</sup>, BFT<sup>+97</sup>,  
 BSG<sup>+02</sup>, BCH<sup>+11</sup>, BBB<sup>+07</sup>, BNFS01, BLI<sup>+09</sup>, CSEP<sup>+17</sup>, CTBNL08,  
 CRDP02, CAFK03a, CAFK03b, CWWB04, CFT<sup>+04</sup>, CBS11, DB97a,  
 DSN<sup>+20</sup>, DB97b, FAS<sup>+03b</sup>, FMO02, FS07, FCAD04, Fro04, FPB04, Gai97,  
 GBL<sup>+08</sup>, HCL<sup>+22</sup>, HFM<sup>+00</sup>, HMA20, JFK<sup>+10</sup>, KSL<sup>+04</sup>, KNV<sup>+10</sup>, KLM<sup>+11</sup>,

KMD<sup>+11</sup>, LBR<sup>+11</sup>, LPFS97, LQF<sup>+02</sup>, MAH<sup>+12</sup>, MT15, MTE<sup>+02</sup>, MV01, MKT<sup>+15</sup>, MBK97, MdBL<sup>+11</sup>, MS12, NGS<sup>+15</sup>, NGM<sup>+20</sup>, NBSF01, NAB<sup>+02</sup>, NMR10, Pak04, PF04a, PF04b, PDA<sup>+20</sup>, PPR<sup>+20b</sup>, QTPS97, QB02, RHB<sup>+04</sup>, RGHN<sup>+97</sup>, RMPI<sup>+17</sup>, SGA<sup>+15</sup>, SLC<sup>+20</sup>, SMP<sup>+15</sup>, SNB02, SBN<sup>+15</sup>, SBA<sup>+20</sup>, SBvdL<sup>+02</sup>, TB97, THJ<sup>+17</sup>, TGK<sup>+11</sup>, TLK<sup>+02</sup>, TPS<sup>+15</sup>, URDP01, VKM<sup>+10</sup>, WCJ<sup>+11</sup>, WW04a, WHNS04, WW04b, ZDW<sup>+20</sup>, dSEDW11, FBCN00].

**sectors** [BT03, RHPC<sup>+19</sup>, TCH<sup>+16</sup>, ZSKL19]. **security** [WGNH15].

**Sediment** [AKHR<sup>+20</sup>, BW93, CWFP94, DBS98, EGG<sup>+05</sup>, EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, GHM02, HLG<sup>+21</sup>, IMP<sup>+02</sup>, MISC<sup>+02</sup>, MSB<sup>+03</sup>, OMY<sup>+03</sup>, OM16, RSRL00, RMNB08, SNPS01, SMB<sup>+98</sup>, SLZ<sup>+16</sup>, ABS<sup>+14</sup>, BS03, BCWT00, BAS00, BAD<sup>+97</sup>, BJSH14, BAD<sup>+14</sup>, CCK<sup>+16</sup>, CMA<sup>+09</sup>, CDH<sup>+00</sup>, CG18, DLR<sup>+01</sup>, DPK<sup>+14</sup>, DGK10, DCR94, DSE<sup>+14</sup>, ETDB11, FA03, FKW01, GSM<sup>+08</sup>, HB03, HSB<sup>+16</sup>, HDF<sup>+01</sup>, HSM<sup>+01a</sup>, HIN<sup>+02</sup>, HLL<sup>+09</sup>, JZ01, JWCC99, KGKS20, KNG02, KGHA<sup>+01</sup>, KFW01, KSS<sup>+00b</sup>, KKNH02, Kyt02b, LPW<sup>+09</sup>, LMS09, bLHsL<sup>+13</sup>, MMG<sup>+07</sup>, MS06a, MPPR14, Mun07, NGM<sup>+05</sup>, OTNT05, OS04, PFW<sup>+09</sup>, PSK00a, PSP<sup>+09</sup>, RCL<sup>+09</sup>, RBA<sup>+01</sup>, RCW<sup>+15</sup>, RTFB09, RGHN<sup>+97</sup>, RFLW00, SLS<sup>+07</sup>, SHD<sup>+14</sup>, SFV<sup>+01</sup>, SHM<sup>+11</sup>, SKGD14, SAB<sup>+07</sup>, Thu98, TWL<sup>+15</sup>, TTA<sup>+16</sup>, WLP<sup>+09</sup>, WPW<sup>+14</sup>, Wit00, WWC<sup>+99</sup>, XA09, YA03, YPY<sup>+13</sup>, YKY<sup>+07</sup>, ZCP<sup>+08</sup>, ZDA<sup>+16</sup>, ZEGB97, dSJB<sup>+11</sup>, vGCM00, NW01]. **sediment-trap** [HIN<sup>+02</sup>]. **sediment-water** [HDF<sup>+01</sup>]. **Sedimentary** [BLW<sup>+09</sup>, Die07, LF07, MHdS<sup>+11</sup>, MR08, PGM<sup>+15</sup>, SWC09, SKdS<sup>+14</sup>, WC09, BMGC09, CD09, DRH<sup>+09</sup>, DBDT03, DJC<sup>+14</sup>, EWP<sup>+99</sup>, EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, ERB<sup>+99</sup>, HdVGHM02, HDF<sup>+01</sup>, HMLS<sup>+06</sup>, HSD04, JWC09, LSA14, MCK<sup>+19</sup>, MFN<sup>+02</sup>, MMSS14, OHT12, RTB02, RTI<sup>+16</sup>, RPF<sup>+16</sup>, SK07].

**Sedimentation** [EFW<sup>+14</sup>, KHL<sup>+16</sup>, RHI00, SEN<sup>+95</sup>, ASS02, ASBM02, BS01, BGH<sup>+19</sup>, BCA<sup>+03</sup>, CB00a, CLPL<sup>+09</sup>, CJF<sup>+12</sup>, HWM02, HWS<sup>+07</sup>, HPK<sup>+97</sup>, LPA<sup>+95</sup>, MLG<sup>+04</sup>, PPZ93, Pfa93, PZP93, PDBH03, SR08a, SP00, SBH<sup>+02</sup>, YCT<sup>+22</sup>, ZJA16]. **sedimenting** [Hat02a, WCWW99].

**sedimentological** [ASB<sup>+02</sup>, GBO01, GMC97, KWA<sup>+20</sup>]. **Sedimentology** [CWJ99, GHM<sup>+12</sup>, NKE11, SDGH14]. **sediments** [ACQ<sup>+08</sup>, ASV18, ATN<sup>+12</sup>, AKHR<sup>+20</sup>, BN05, BN97, BMD<sup>+17</sup>, BCN<sup>+16</sup>, BGOL01, BSE<sup>+16</sup>, BGB08, BFT<sup>+97</sup>, Bla94, BFL00, BL00, BRP<sup>+13</sup>, BSS<sup>+00</sup>, BSSE16, CVA<sup>+13</sup>, CLT94, CHW<sup>+12</sup>, CZP<sup>+08</sup>, CFL<sup>+99</sup>, CAC<sup>+97</sup>, CML<sup>+09</sup>, DCL<sup>+09</sup>, DSD12, DPLB94, DTB<sup>+02</sup>, DRBM97, DZL<sup>+17</sup>, DOLP<sup>+09</sup>, Dia04, EPK<sup>+10</sup>, ESDM13, FGU04, FL02, FHT<sup>+14</sup>, GRD<sup>+08</sup>, GD07, GRSW00, GSB<sup>+03</sup>, GAC<sup>+02</sup>, GBO01, HKR<sup>+01</sup>, HTD00, HMB<sup>+96</sup>, Har94, HTPM14, HT17, HZS00, HKY<sup>+13</sup>, HWS<sup>+13</sup>, HZWW16, HPK<sup>+97</sup>, Ike03, JJVH18, JLK03, KLL03, Kel10, KCD<sup>+17</sup>, KBV<sup>+97</sup>, Kos01, LRGH<sup>+05</sup>, LMM<sup>+17</sup>, LPFS97, LMKL09, LZM<sup>+13</sup>, LYL22, LKTS01, LSOM16, MvSHD01, MS06a, MISC<sup>+02</sup>, MBB<sup>+02</sup>, MMWM00, MLR07, Mil94b, MHK<sup>+03</sup>, MB08, MSG<sup>+00</sup>, MMM<sup>+00</sup>, NEO<sup>+07</sup>, NMN<sup>+17</sup>, NAT<sup>+12</sup>, NVBJ08, OPV11, ODP<sup>+17</sup>, OJK<sup>+10</sup>, PLdL97, PTD<sup>+17</sup>, PUP<sup>+07</sup>, PBG<sup>+10</sup>, PBVC<sup>+16</sup>, PLGCL09, PDSS96, PCB<sup>+17</sup>, PGZ<sup>+09</sup>, RGTV97]. **sediments**

[RTB02, RHD<sup>+11</sup>, RH07, RFLW00, RBCG10, RPZ<sup>+14</sup>, SAG<sup>+10</sup>, SA15a, SA18, SBS<sup>+00</sup>, SHS<sup>+12</sup>, SHWW22, SRAL<sup>+17</sup>, SSM<sup>+00</sup>, SW00, SEN<sup>+95</sup>, SHM<sup>+07</sup>, SM01, STWW01, SJSI00, TBC<sup>+17</sup>, TB97, Tho97, TD16, TTCD14, TIS<sup>+13</sup>, ULTL16, VVTM97, VQ97a, VQ97b, VKM13, WSS<sup>+08</sup>, WHL<sup>+97</sup>, WKM<sup>+07a</sup>, WOM<sup>+16</sup>, WAC<sup>+09</sup>, YLR18, YBHM05, ZBC<sup>+13</sup>, ZWC<sup>+15</sup>, ZJA16, ZWL<sup>+22</sup>, Zon97]. **Sedlo** [MRMP09, BMP<sup>+09</sup>, KVB<sup>+09</sup>, MPE<sup>+09</sup>, MWB<sup>+09</sup>, SCCG09, VAK<sup>+09</sup>]. **SEEDS** [HOD<sup>+09</sup>, KNN<sup>+06</sup>, NHS<sup>+09</sup>, NTK<sup>+09</sup>, STN<sup>+09</sup>, UWTS09, WTCB09, YOI<sup>+09</sup>, ANI09, HTS<sup>+09</sup>, HKN<sup>+09</sup>, KSH<sup>+09</sup>, KWN<sup>+09</sup>, KNC<sup>+09</sup>, LLK<sup>+09</sup>, NOT<sup>+09</sup>, STF09, SSI<sup>+09</sup>, TSMS09, TNS<sup>+09</sup>]. **SEEDS-II** [HOD<sup>+09</sup>, NHS<sup>+09</sup>, STN<sup>+09</sup>, YOI<sup>+09</sup>, KSH<sup>+09</sup>, SSI<sup>+09</sup>, KWN<sup>+09</sup>, LLK<sup>+09</sup>]. **seep** [BBS<sup>+20</sup>, BLM<sup>+10</sup>, BHSJ16, CNM17, DGK10, FR10, FRC<sup>+10</sup>, FC15, HFL<sup>+15</sup>, JBS<sup>+10</sup>, KB15, LSL<sup>+15</sup>, MSD<sup>+18</sup>, MAR<sup>+17</sup>, OCG<sup>+09</sup>, ODP<sup>+17</sup>, OJK<sup>+10</sup>, PRSS23, RFJ10, RKM<sup>+22</sup>, SDB<sup>+18</sup>, SO98, WMB<sup>+13</sup>, BA94, Bis94, BFF94, Kem94, MC18a]. **SEEP-II** [BA94, Bis94, BFF94, Kem94]. **seepage** [ACBV<sup>+18</sup>, CDM<sup>+16</sup>, FC15, GPMS<sup>+16</sup>, LMG17]. **seepages** [AM22a]. **Seeps** [MKD23, AM22b, Ala22, BBAL<sup>+20</sup>, BNP<sup>+09</sup>, BPR<sup>+10</sup>, Car10, CPW<sup>+18</sup>, CBHF10, DGK<sup>+22</sup>, FYS<sup>+17</sup>, Kel10, KCD<sup>+17</sup>, LSM<sup>+06a</sup>, LPPC<sup>+10</sup>, LZM<sup>+13</sup>, MSH10, MS18, NEO<sup>+07</sup>, NMN<sup>+17</sup>, NCK<sup>+22</sup>, RDV<sup>+09</sup>, ROBV<sup>+18</sup>, SSK<sup>+23</sup>, WB09, vCO09]. **segmented** [QNL<sup>+16</sup>]. **Segonzacia** [MCB<sup>+15</sup>]. **segregation** [GGPM05, PFP02]. **sei** [MHM<sup>+14</sup>, SGB<sup>+08</sup>]. **Seine** [VAK<sup>+09</sup>, JMP<sup>+19</sup>, BMP<sup>+09</sup>, CMH09, KVB<sup>+09</sup>, MRMP09]. **Seismic** [DBD03]. **seismically** [RÇG18]. **Seismo** [DBD03, IAC<sup>+03</sup>]. **Seismo-stratigraphic** [DBD03]. **seismo-volcanic** [IAC<sup>+03</sup>]. **seismometer** [DBL<sup>+19</sup>]. **Selected** [HBB<sup>+13</sup>, DM16b, SE07, WYOS18]. **selection** [ABB<sup>+01</sup>, BHBC08, MPF<sup>+17</sup>]. **selectivity** [DTWW17, DTWW21, FBBW<sup>+10</sup>, WGST08]. **selects** [RHL<sup>+16</sup>]. **selenium** [CC01]. **semi** [DM16a, GKH<sup>+07</sup>, SAG<sup>+10</sup>, ZGW<sup>+23</sup>]. **semi-closed** [GKH<sup>+07</sup>]. **semi-enclosed** [DM16a, SAG<sup>+10</sup>, ZGW<sup>+23</sup>]. **semiannual** [AVA23]. **semidiurnal** [JR15]. **Sense** [BTD11, BGDT11, MMC11a, WGWW11, dSEDW11]. **sensed** [BHMK08, BMM<sup>+99</sup>, MMC11a, PTA<sup>+99</sup>, PW12, SRW<sup>+10</sup>, SMBM99, TSPH09, UY04]. **sensible** [RFHL99, WZW<sup>+22</sup>]. **sensing** [ACG19, BOH<sup>+04</sup>, Car01, GPMZ<sup>+10</sup>, IS07, MGR03b, MMT08, NR06, PBFS06, PWTH15, PW15, PDB<sup>+16</sup>, RN06, SM96a, THV<sup>+99</sup>, VSV<sup>+97</sup>, WPAP01, ZKSS06]. **sensitive** [HFL<sup>+15</sup>]. **sensitivities** [DSC<sup>+19</sup>]. **Sensitivity** [HH05, BTD11, DBC<sup>+02</sup>, HWP<sup>+11</sup>, HSHM02, KCZ<sup>+19</sup>, SP19a, WTSP07]. **Sensor** [LCW<sup>+07</sup>, STM04b, BEB<sup>+13</sup>, HGAB04, ZKSS06, STM04a]. **sensors** [ARLB00, KMD<sup>+99</sup>, KMDW01, MDH<sup>+98</sup>, MCM<sup>+14</sup>]. **sensory** [SLD<sup>+13</sup>]. **sensu** [HNS<sup>+11</sup>]. **Senticaudata** [KGS23]. **sentinels** [MK19]. **separated** [SCM<sup>+09</sup>]. **separating** [BPS00]. **separation** [HDD<sup>+11</sup>, SRS11, STS11]. **September** [GGH98, KAM<sup>+20</sup>, Ano21m, Ano22w, Duc93, KRF01, OM14, RIBW99, SMB02]. **sequencing** [LEP14, PFdSG11]. **Sequential** [KFW01, RDBP14, SVS93]. **sequestration** [AHHCR23, BBL<sup>+13</sup>]. **SERIES**

[KNN<sup>+06</sup>, Ano96g, BMK96, CRR01, SMA01, ANL13, AFM93, AKK<sup>+14</sup>, BCH<sup>+96</sup>, BGS98, BBL<sup>+13</sup>, BLO<sup>+17</sup>, CFJL96, CSL<sup>+07</sup>, CLMK13, CMA<sup>+09</sup>, DGN96, DOC01, DBH<sup>+20</sup>, FNYK02, GBP00, GUSB03, GG02, GOP<sup>+01</sup>, HBCC13, ITT12, INTS02, JMM<sup>+13</sup>, KKK<sup>+15</sup>, KM96, KL96a, KVPK20, LSST20, LBM10, LK98, LWL<sup>+24</sup>, LHS96, LPW<sup>+09</sup>, Lip01, MHS01, Mar02, MCPA02, MC02, MFH04, MK96, MSNL09, MLS<sup>+15</sup>, OLG<sup>+01</sup>, RCW<sup>+15</sup>, RT14, RAL<sup>+01</sup>, SKM01, SBG<sup>+98</sup>, SD98, SBG<sup>+03</sup>, SHM<sup>+20</sup>, SHR20, SCB<sup>+01</sup>, SMB03, TTA<sup>+16</sup>, WLP<sup>+09</sup>, WWC<sup>+99</sup>, WWW<sup>+02</sup>, WKM<sup>+07b</sup>, WKM<sup>+07c</sup>, WLT20, XA09, YA03, Har06, MW06, SD06a, SDMS06, TYBY06, TWN<sup>+06</sup>, TSN<sup>+06</sup>, WTL<sup>+06</sup>, WJS<sup>+06</sup>, BL96, IF95, LSM96, Mit96, RD97]. **Serious** [FSP<sup>+16</sup>, GGM<sup>+16</sup>]. **Sermons** [VAK<sup>+09</sup>]. **SERPENT** [GGB<sup>+17</sup>]. **serpentinization** [LLL<sup>+15</sup>]. **serum** [DRR<sup>+14</sup>]. **services** [KUT<sup>+20</sup>, LLC17, SABP<sup>+16</sup>]. **sessile** [GAP<sup>+06</sup>, KPML20]. **seston** [NCE<sup>+23</sup>]. **set** [MGT16]. **Seto** [DFY<sup>+23</sup>]. **setosa** [MA05]. **sets** [Reb03, VTA<sup>+11</sup>]. **Setting** [BGDT11, FKS18, Mas02, OGJ<sup>+19</sup>]. **settings** [GBLS00, vdLEM<sup>+14</sup>]. **settlement** [EWG94]. **Settling** [APLW09, KBV<sup>+97</sup>, NISG05, Ber01, ESA<sup>+09</sup>, GZZC10, Kaw02, LPW<sup>+09</sup>, SAL95, SCM<sup>+09</sup>, WLP<sup>+09</sup>, XA09, YA03]. **Setúbal** [dJMTGG11, IBK<sup>+11</sup>, dSJB<sup>+11</sup>]. **Several** [JAM<sup>+14</sup>]. **severity** [KAM<sup>+14</sup>]. **sex** [CHPF10, FLM10, KBR18, SZM10]. **sex-specific** [KBR18]. **sex/maturity** [CHPF10]. **sexual** [LAÁ<sup>+14</sup>]. **Seychelles** [KOO<sup>+24</sup>]. **Shackleton** [SAM<sup>+13</sup>]. **shade** [KPPL00]. **shadow** [RMK<sup>+14</sup>]. **shag** [MPF<sup>+17</sup>]. **Shallow** [OENB01, ATLD<sup>+20</sup>, ACR<sup>+20</sup>, BFC<sup>+06</sup>, BAKF03, CDM23, CJ19, DFD<sup>+11</sup>, GMBL10, HNM<sup>+20</sup>, IKR<sup>+12</sup>, KB99, MAN<sup>+20</sup>, Mar19, NRH<sup>+20</sup>, PBG07, RTM<sup>+20</sup>, RT20, Sco05, SBM<sup>+13</sup>, SHM<sup>+07</sup>, TNT<sup>+15</sup>, VK04, ZGW<sup>+23</sup>]. **shallow-** [PBG07]. **shallow-infaunal** [GMBL10]. **shallow-layer** [Sco05]. **shallow-water** [CJ19, Mar19, SBM<sup>+13</sup>, VK04]. **shape** [DF16, THT11]. **shaped** [TWL<sup>+15</sup>]. **shaping** [SGP<sup>+02</sup>]. **Shark** [GMPSHA<sup>+13</sup>, CAJE15, CW15]. **sharks** [CP13, CFK15, CHG15, CGD<sup>+15</sup>, DWG<sup>+15</sup>]. **Shaw** [Won15]. **Shear** [Gre08, Dud06, HB05, Uml05]. **sheared** [WCL22]. **shears** [CW22]. **Shearwater** [POI17]. **shearwaters** [HBJ02, PRDB<sup>+17</sup>]. **Shedding** [AA12, CH24, RSC07]. **sheds** [HON<sup>+13</sup>]. **sheet** [LKTS01, ZDO19, HMHY11]. **sheets** [ZRG16]. **S}helf** [WPL<sup>+15</sup>, Won15, WKLM15, Ano05b, Ano06f, BBR<sup>+96</sup>, Bis94, Che02, FLMF07, GH05, GHS09, HFP94, JR11, JCF<sup>+06a</sup>, KHL<sup>+16</sup>, MC05, MBL<sup>+15</sup>, PBO<sup>+11</sup>, PDBH03, AISR<sup>+16</sup>, AAG02, ATLD<sup>+20</sup>, ARW<sup>+04</sup>, AMTE09, BBB94, BGIJ<sup>+06</sup>, BDWG02, BH03, BLO04, BKD06, BFF94, Blo02, BBBM04, BMG<sup>+17</sup>, BCP<sup>+15</sup>, BMSBM<sup>+17</sup>, CB97, CSL<sup>+22</sup>, CBCT09, CFL<sup>+99</sup>, CA06a, CSGC03a, CDM23, Che03, CCS<sup>+16</sup>, CHH<sup>+21</sup>, CWS05, CWFP94, Cok16, CPH01, CG18, CKH<sup>+08</sup>, CP02, CP05, CKB<sup>+07</sup>, CPEN08, CHH19, DND04, DKS03, DK04, DT08, DDLK06, DEK<sup>+08</sup>, DGS<sup>+05</sup>, EZB<sup>+20</sup>, EBG<sup>+11</sup>, FGU04, FWZM12, FZW<sup>+13</sup>, GPC<sup>+04</sup>, GTSC08, GWL<sup>+15</sup>, GLDCA<sup>+06</sup>, Gau07, GNG<sup>+22</sup>,

GSM<sup>+08</sup>, GGPM05, GPB09, GAC<sup>+02</sup>, Gut06, GBD<sup>+11</sup>, HB03, HBT<sup>+08</sup>, HMS<sup>+13</sup>, HLZY10, HHD<sup>+09</sup>, HGB<sup>+13</sup>, HC05, HKAM12, HCG<sup>+09</sup>, HWS<sup>+13</sup>, HHP04, HS05b, HF21, HNRGL06, HCG<sup>+03</sup>, HRK14, HLM<sup>+01</sup>]. **shelf** [IOK03, IGP<sup>+06</sup>, JCP<sup>+22</sup>, JCM<sup>+13</sup>, JWC<sup>+01</sup>, JHHK14, KM05a, KAW<sup>+16</sup>, KLL03, Kem94, KFF<sup>+94</sup>, KMO09, KKD06, KL13, KBFH14, LSC05, LS12, LSUB94, LMS09, LWL<sup>+16</sup>, Lin04, LZZ<sup>+16</sup>, LSWH07, LRV<sup>+02</sup>, LMC<sup>+12</sup>, MHO02, MCM<sup>+14</sup>, MBB<sup>+02</sup>, MBS<sup>+13</sup>, MKB<sup>+10</sup>, MSB<sup>+03</sup>, MXC15, MSJS08, MiSW08, MMMC07, MGC<sup>+14</sup>, MCL<sup>+12</sup>, MLH<sup>+22</sup>, MSG<sup>+00</sup>, NAT<sup>+12</sup>, NBB<sup>+02</sup>, NDE14, OBC<sup>+14</sup>, OHT12, OYM<sup>+13</sup>, OA11, OPV11, OGJ<sup>+19</sup>, OAH<sup>+16</sup>, PK08, PW15, PBS06, PKHH17, PFC19, PMM<sup>+16</sup>, PRP15, PS03, PGK14, RS02, RTFB09, RGL<sup>+06a</sup>, RKS<sup>+95</sup>, SMR<sup>+06</sup>, SLS17, SPF<sup>+94</sup>, SSV02, SGC03, SHR02, SK02, SMD06, SMD08, SHM<sup>+01</sup>, SKGD14, SGD14b, SBS07, SKM<sup>+12</sup>, SDK<sup>+16</sup>, SBK<sup>+16</sup>, SM23, SSR<sup>+14</sup>, SL12, SGFP13, SKM<sup>+14b</sup>, SBS<sup>+08</sup>, SHY10, Tan03, TIS<sup>+13</sup>, VCDAL14, WL20, WAW<sup>+05a</sup>, WFW<sup>+17</sup>, WZL<sup>+16</sup>, WGB01, Wir94, WWcW<sup>+15</sup>, WPFB11, WPB11, XSM<sup>+19</sup>, YMMC11, YH10, YLH<sup>+10</sup>]. **shelf** [ZWM12, ZTZB09, ZZM<sup>+13</sup>, ZTZ09, ZG15, BRD<sup>+18</sup>, BA02, CTBNL08, CLPL<sup>+09</sup>, DTWF17, DSO<sup>+00</sup>, GW15, KGB<sup>+14</sup>, KHB<sup>+04</sup>, LWL<sup>+24</sup>, LWZ<sup>+23</sup>, MLW<sup>+16</sup>, NWZL23, PWITH15, RA98, SWLL23, WWcW<sup>+15</sup>, SLB<sup>+16</sup>]. **Shelf-Basin** [Ano05b]. **shelf-depth** [NDE14]. **Shelf-Nutrient** [FLMF07]. **shelf-offshore** [PFC19]. **S}helf-Sea** [WPL<sup>+15</sup>, Won15, WKLM15, MXC15, PW15, GW15, PWITH15]. **Shelf-slope** [HFP94, Wir94]. **shelf-sourced** [OBC<sup>+14</sup>]. **Shelf-vs** [Che02]. **shelf/shelf** [AAG02]. **shelf/slope** [GAC<sup>+02</sup>]. **shelfbreak** [SPB<sup>+14</sup>, WGB01]. **Shelikof** [Blo02]. **Shell** [NCK<sup>+22</sup>, BJF16, CC13]. **Shell-bearing** [NCK<sup>+22</sup>, CC13]. **shelled** [KWPB15, SWZA02]. **shellfish** [dSVC<sup>+14</sup>, ACK<sup>+14</sup>, BMH05, BCL14, DCD<sup>+14</sup>, DVC14, DRR<sup>+14</sup>, HTW14, KAM<sup>+14</sup>, MLH14, MAST05]. **shelves** [BLD<sup>+06</sup>, CB09a, DAA<sup>+20</sup>, DKS11, HMGD17, HS07, MKH<sup>+05</sup>, NMS09, PPM02, SHWW22, SLZ<sup>+16</sup>, SFK<sup>+12</sup>]. **Shetland** [Can06, HMS<sup>+13</sup>, HKN<sup>+04</sup>, HvH04, LHKHH10, LT03]. **Shetland-Elephant** [LHKHH10]. **shift** [BW04, FS07, HPS<sup>+11</sup>, KBL01, MBLM03, NI10]. **Shifting** [MT15]. **Shifts** [BKP<sup>+20</sup>, BFD<sup>+23</sup>, CLPL<sup>+09</sup>, EEAC<sup>+20</sup>, EAB<sup>+20</sup>, FJR<sup>+20</sup>, GBJ<sup>+15</sup>, JRK<sup>+17</sup>, KCL20, LDG<sup>+23</sup>, MCL<sup>+19</sup>, ML20, RGH<sup>+24</sup>, SL12, TSP<sup>+18</sup>]. **Shinkai** [KFS<sup>+17</sup>]. **ship** [NBBBT13, OCKA<sup>+11</sup>, SiSA<sup>+02</sup>, WHNS04, BRG<sup>+19</sup>]. **ship-derived** [NBBBT13]. **shipboard** [AAB<sup>+97</sup>, COJ<sup>+09</sup>, FK98, GdRGLS04, HHHK<sup>+04</sup>, KFH01]. **Shoal** [ACG<sup>+17</sup>, MD17, DNR20, DGT17b, LGHD20, LMM<sup>+17</sup>, MGT<sup>+20</sup>, WFW<sup>+17</sup>]. **Shoaling** [RAR04]. **Shoals** [AGD96]. **Shock** [AS02b, RJP18]. **shore** [BBAL<sup>+20</sup>, CFGR07, CMP14, CB09a, CMC11, HZN<sup>+16</sup>, KTP<sup>+05b</sup>]. **Short** [CBB<sup>+00</sup>, DHW98, HWK<sup>+14</sup>, LWZ<sup>+23</sup>, MDT<sup>+08</sup>, PZP93, PRB<sup>+11</sup>, SZH<sup>+04</sup>, SGP<sup>+11</sup>, Eif05, HBJ02, JW05a, JW05b, KM05a, LDW22, PWB<sup>+06</sup>, PB08, SD96, SSB<sup>+06</sup>, WAC<sup>+09</sup>, dLC<sup>+14</sup>]. **Short-lived** [CBB<sup>+00</sup>, KM05a].

**short-tailed** [HBJ02, PWB<sup>+06</sup>, SSB<sup>+06</sup>]. **Short-term** [DHW98, HWK<sup>+14</sup>, LWZ<sup>+23</sup>, MDT<sup>+08</sup>, PZP93, PRB<sup>+11</sup>, SZH<sup>+04</sup>, SGP<sup>+11</sup>, LDW22, WAC<sup>+09</sup>, dLC<sup>+14</sup>]. **short-time** [Eif05, JW05a, JW05b]. **shortage** [WTI<sup>+20</sup>]. **shorthorn** [GNB<sup>+17</sup>]. **show** [KBB07]. **shows** [OvdRvA<sup>+22</sup>]. **shrimp** [AI09, KSDE16, LV17, NA09, SBM<sup>+13</sup>]. **shrimp-like** [LV17]. **shrimps** [LDBS<sup>+17</sup>]. **Si** [ATD<sup>+11</sup>, BDNS03, CSS<sup>+02</sup>, DVPR06, FBCN00, GS06b, MNPT06, MGG<sup>+09</sup>, MQACB08, NBSF01, RDP<sup>+02</sup>, RdGM<sup>+09</sup>, STN<sup>+09</sup>, SNB02, TWN<sup>+06</sup>]. **Si\*** [PDA<sup>+20</sup>]. **Si/C** [RDP<sup>+02</sup>]. **Si/N** [MQACB08]. **Siberian** [GMC<sup>+12</sup>, MEB<sup>+23</sup>]. **Siboglinidae** [ALSF<sup>+17</sup>, MHC<sup>+10</sup>]. **Sicily** [BMG<sup>+04</sup>, LSA14, MSSD93]. **sidescan** [CES98]. **Sigalionidae** [Ala18]. **sightings** [WSP19]. **SIGMA** [AHML95]. **signal** [NAT<sup>+12</sup>, PPYN15]. **signature** [BGS09, GIPLL<sup>+14</sup>, HKFL03, PNVJ13, PGK15, ROL<sup>+15</sup>]. **Signatures** [TNT<sup>+15</sup>, ABKL96, AHHC23, BMGF93, BHSJ16, FHYI03, GHM18, GLCU<sup>+17</sup>, HWS<sup>+98b</sup>, JBS<sup>+10</sup>, KYKJ16, KGB06, MMS<sup>+19</sup>, MSW<sup>+13</sup>, SCM<sup>+08</sup>, Sot09, VCO<sup>+15</sup>, WvdE00, WvdEP<sup>+10</sup>]. **Significance** [SLB13a, TLK<sup>+02</sup>, AKI<sup>+16</sup>, BIP<sup>+02</sup>, BTFB12, HPWP07, LCT<sup>+07b</sup>, MCLP04, OLG<sup>+01</sup>, RH07, TLKT00, ZB00]. **significant** [WP17]. **Silica** [AHV<sup>+17</sup>, BL98, ATD<sup>+11</sup>, BBA<sup>+01</sup>, DURP03, DeM02, DBN<sup>+11</sup>, FGW02, GRD<sup>+08</sup>, IGN<sup>+10</sup>, KBV<sup>+97</sup>, KNB11, KLD21, KL96c, LQF<sup>+02</sup>, NAB<sup>+02</sup>, NW01, QB02, RGTV97, SLS<sup>+07</sup>, VQ97a, VQ97b, ZWC<sup>+15</sup>]. **silicate** [DCF<sup>+11</sup>, JCD<sup>+03</sup>, KLKB95, PPL<sup>+07</sup>, SVS93, WOM<sup>+16</sup>, WM99]. **silicate-limited** [DCF<sup>+11</sup>]. **silicates** [LKTS01]. **Siliceous** [RFLW00, IGN<sup>+10</sup>]. **silicic** [BTV<sup>+11</sup>, BBB<sup>+11b</sup>, CHM<sup>+17</sup>, CSW<sup>+17</sup>, FBCN00, GRSW00, MAB<sup>+01</sup>, RN96, TYBY06, VVTM97]. **silicoflagellate** [OT12, TSOT16]. **Silicoflagellates** [MCK<sup>+19</sup>, OTN16, RMG<sup>+23</sup>]. **Silicon** [BNFS01, CHM<sup>+17</sup>, BJ15, CDP<sup>+02</sup>, FC07, MQACB08, QTPS97, WCY05, WWC<sup>+99</sup>]. **sill** [WZZ<sup>+23</sup>, BAC<sup>+02</sup>]. **Silver** [NTF01, RDFS WV99]. **silverfish** [OMG<sup>+11</sup>]. **SIMBA** [LTW<sup>+11</sup>]. **similarities** [GSM<sup>+08</sup>]. **similarity** [PBG07]. **Simple** [TT17, AT10, Eif05, JW05a, JW05b, LHS96, Spa99, TSDG13]. **simplex** [GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>]. **Simrothiellidae** [OBH<sup>+18</sup>]. **Simulated** [DMW<sup>+07</sup>, LGB13, WLY<sup>+22</sup>, WPAP01, BSL11, DCL<sup>+21</sup>, HH05, KM05b, LL95, NLHB01, SNPS01]. **Simulating** [LAPL<sup>+16</sup>, SDMS06, Thi05, BBL<sup>+13</sup>, EBG<sup>+15</sup>, RAC<sup>+20</sup>]. **Simulation** [MNPT06, MMC11b, GDL22, GFW07, HFKY05, MH93, MDM<sup>+13</sup>, MLW<sup>+01</sup>, PHDK11, PVT<sup>+21</sup>, SBB<sup>+05</sup>, TC06, WZZ<sup>+23</sup>]. **Simulations** [BK99, WDFK<sup>+22</sup>, AS02b, BFH<sup>+23</sup>, CA06a, CCL<sup>+14</sup>, HB05, LH06, MMXS02, MBS05, PWL07, RG93, RSS01, RSSM19, WCJ<sup>+11</sup>, WSM<sup>+22</sup>]. **simultaneous** [SZM10]. **since** [ALHP18, CHL<sup>+15</sup>, DW15a, RTI<sup>+16</sup>, ZSLL15]. **single** [BLBW<sup>+11</sup>, BWS<sup>+98</sup>, Ben13, HIA<sup>+16</sup>, LZS<sup>+18</sup>, XSL<sup>+17</sup>]. **single-frequency** [BWS<sup>+98</sup>]. **single-species** [HIA<sup>+16</sup>]. **sinicus** [NLY<sup>+13</sup>]. **sinistral** [WCK<sup>+18</sup>]. **sinistral-oblique** [WCK<sup>+18</sup>]. **sink**



[CRP<sup>+05</sup>, NBSM01, RW95, SCC<sup>+11</sup>]. **Sinkers** [IPH<sup>+17</sup>]. **Sinking** [LBL08, ZdBB<sup>+07</sup>, ANL13, ASF<sup>+12</sup>, DP07, GK02, HD02, ILWH03, KGKS20, KHH<sup>+17</sup>, LBV<sup>+08</sup>, LKH<sup>+07</sup>, MTMK<sup>+13</sup>, Pas16, PDC<sup>+99</sup>, PLPS98, RCW<sup>+15</sup>, SFG98, SNIT02, SHR02, SMD08, TGG<sup>+09</sup>, TRWB99, TBB<sup>+08</sup>, VABCR<sup>+24</sup>, WN01]. **sinks** [CB09a, VBF<sup>+02</sup>, WYW<sup>+02</sup>, ZX12]. **sinusoidal** [ASM06]. **SiO** [SMCA01]. **SIPEX** [HSR<sup>+16</sup>, LCvdM<sup>+16</sup>, MGH<sup>+16</sup>, WSL<sup>+11</sup>]. **SIPEX-2** [LCvdM<sup>+16</sup>, MGH<sup>+16</sup>]. **siphonophore** [RRS<sup>+98</sup>]. **Siphonophores** [PM10, PS04a]. **Sipuncula** [MA13]. **sipunculan** [SM15]. **sipunculans** [MA15, MA18a]. **Site** [AKI<sup>+16</sup>, GPK02, IOTS16, ITK<sup>+16</sup>, WOM<sup>+16</sup>, AJG<sup>+10</sup>, Ano96g, AL13, Avr02, BMK96, BCM02, BMOW09, BGG<sup>+09</sup>, BSSE16, CRJ<sup>+08</sup>, Cha03, CSL<sup>+07</sup>, CRR01, CDM<sup>+16</sup>, CMB02, CWE<sup>+17</sup>, DZY<sup>+01</sup>, DGN96, EQW<sup>+13</sup>, GOP<sup>+01</sup>, HBCC13, KGB16, MLP<sup>+10</sup>, MZH<sup>+10</sup>, OM16, OLG<sup>+01</sup>, PLS<sup>+10</sup>, PFS17, RS02, RSH10, Roy05, ROBV<sup>+18</sup>, SC16, SD98, SWBKK10, TCG<sup>+18</sup>, TSOT16, WBML06, WAL<sup>+11</sup>, OTN16, MWK<sup>+18</sup>, RCL<sup>+09</sup>, TBB<sup>+08</sup>]. **site-U1344A** [OM16]. **Sites** [PBVC<sup>+16</sup>, BMB<sup>+18</sup>, BLW<sup>+09</sup>, Dud06, DBH<sup>+20</sup>, EQW<sup>+13</sup>, FSM93, GPMZ<sup>+10</sup>, GG95, GK16, HFL<sup>+15</sup>, HSC<sup>+07</sup>, Hus16, KSDE16, LGO08, LKTS01, MSD<sup>+18</sup>, MSNL09, NGM<sup>+05</sup>, NCSB<sup>+98</sup>, RAL04, SRDV07, SKM01, STD<sup>+20</sup>, Thi98, VSR<sup>+10</sup>, VHC<sup>+17</sup>, VT01, WBBM01, Wit00, Zim19]. **Sitka** [RDSA<sup>+21</sup>, SMBL19]. **situ** [BB03, Boy02, BSS<sup>+02</sup>, CAGLV<sup>+06</sup>, FBCP01, GMR06, HS01, HBSL01, KWT<sup>+16</sup>, LFPC14, LAW<sup>+05</sup>, MGT16, MNB02, MRM<sup>+12</sup>, MGN<sup>+18</sup>, OE06, PTO<sup>+16</sup>, PDB<sup>+16</sup>, SMH<sup>+06</sup>, SCM<sup>+08</sup>, SNFK20, SSI<sup>+09</sup>, SAL95, TRM<sup>+14</sup>, TPP<sup>+20</sup>, TRM<sup>+15</sup>, VMBS03, VSGGPR14, WN01, WC06b, WSL<sup>+11</sup>, YOI<sup>+09</sup>, ZZP04, CFR<sup>+14</sup>, CJF<sup>+98</sup>, ETP<sup>+16</sup>, KLTS13, KSH<sup>+09</sup>, LPdR<sup>+14</sup>, LCL<sup>+09</sup>, Mah16, MMS<sup>+16</sup>, PGPP<sup>+13</sup>, RJM<sup>+15</sup>, TSMS09, VKC09, WJS<sup>+10</sup>, YSHS08]. **situations** [CRNP06]. **six** [JBOH10, JBÖ<sup>+16</sup>, LPM<sup>+19</sup>, RP17, SYS05, SBC17]. **sixgill** [CW15]. **Size** [CSM13b, CLSS15, DCA09, FHAH16, FPB04, GKBG17, IHI<sup>+97</sup>, JPSB93, KRGT14, LOA15, LL95, NPA<sup>+22</sup>, OBM<sup>+93</sup>, RWR<sup>+02</sup>, SH99c, THT11, TLKT00, VFS02, ABC<sup>+05</sup>, ADGA05, ADGA06, BHHM<sup>+12</sup>, CD20, DMS<sup>+10</sup>, DTWW17, DTWW21, DPS<sup>+14</sup>, DTP<sup>+05</sup>, EWF<sup>+18</sup>, FJR<sup>+20</sup>, GRWW01, GGTMG<sup>+10</sup>, HSBT19, HAM<sup>+15</sup>, Jac95a, JLAD95, JZ93, JPZ93, KSL<sup>+04</sup>, KMOM19, LWSA08, LDHO<sup>+14</sup>, LHZJ13, LWB<sup>+20</sup>, LAPL<sup>+16</sup>, LBE06, MSW<sup>+13</sup>, Mil94b, MHVM<sup>+08</sup>, NGM<sup>+20</sup>, OUJ<sup>+19</sup>, PAR<sup>+08</sup>, PTD<sup>+14</sup>, PW12, RSW<sup>+13</sup>, RE98, RJGBF02, SHI06, SG99, SOS01, SHWW22, SP00, SWH08, SBE<sup>+99</sup>, SLLT10, TLY11, TKF16, TDKA05, VvdLS11, WHF<sup>+19</sup>, WSE<sup>+16</sup>, YWI<sup>+02</sup>, ZSZ<sup>+19</sup>, ZTZB09]. **size-at-age** [HSBT19]. **size-based** [RSW<sup>+13</sup>]. **Size-differential** [TLKT00]. **Size-fractionated** [CLSS15, FPB04, JPSB93, LOA15, OBM<sup>+93</sup>, RWR<sup>+02</sup>, SH99c, VFS02, DPS<sup>+14</sup>, PTD<sup>+14</sup>, SG99, TDKA05, VvdLS11]. **Size-frequency** [GKBG17]. **size-related** [MSW<sup>+13</sup>]. **sized** [PSK00a, TLK<sup>+02</sup>]. **sizes** [RCKCK07].

**Skagerrak** [Fon96]. **skate** [WST15]. **Skaugran** [WWN<sup>+</sup>02]. **skeletal** [STR<sup>+</sup>14]. **skeleton** [SMB<sup>+</sup>98]. **Skeletonema** [MGG<sup>+</sup>09]. **skeletons** [RAF<sup>+</sup>14a, RAF<sup>+</sup>14b]. **skies** [CWWB04]. **skin** [MSW11, Zül05]. **skipjack** [AKK<sup>+</sup>17]. **sled** [NCSB<sup>+</sup>98]. **sledge** [BEB<sup>+</sup>13, BHJ<sup>+</sup>14, BEM<sup>+</sup>15]. **slice** [HFM<sup>+</sup>02]. **slick** [TAB<sup>+</sup>16]. **slicks** [ZDP<sup>+</sup>16]. **slip** [CPW<sup>+</sup>18]. **slippery** [JRKR19]. **sloani** [BBB<sup>+</sup>01]. **Slope** [AKI<sup>+</sup>16, Bai09, BN04, KBB07, Lad14, dMCNC99, AAG02, ASBM02, ARK<sup>+</sup>94, BDWG02, BH99a, BBS<sup>+</sup>20, BLM<sup>+</sup>10, BRW00, BKD06, BA94, BPB<sup>+</sup>94, BG94, BH94, BD94, Bla94, BPBJ13, BHSJ16, BAF<sup>+</sup>18, CLT94, Car10, CRMI18, CBHF10, CDL94, DGN<sup>+</sup>17, DPLB94, DTB<sup>+</sup>02, DGK<sup>+</sup>22, DCR94, DGB<sup>+</sup>98, EBGCL08, GPC<sup>+</sup>04, GPMZ<sup>+</sup>10, GBP<sup>+</sup>13, GPB09, GOM<sup>+</sup>09, GAC<sup>+</sup>02, Har94, Hec94, HdMR<sup>+</sup>99, Hil94, HC05, HvH04, HFP94, JWO<sup>+</sup>09, JBS<sup>+</sup>10, JMM<sup>+</sup>13, KGB<sup>+</sup>11, Kem94, KBKW13, LG00, MSH10, MA18a, MA18b, MAK<sup>+</sup>16, MBB<sup>+</sup>02, MMWM00, MKB<sup>+</sup>10, Mil94b, MKKF18, MMM<sup>+</sup>00, NR00, NCSB<sup>+</sup>98, OTN16, OAH<sup>+</sup>16, PGS14, PS03, RV00, RH94, RFJ10, RSH10, RTM14, RQRVM10, RKM<sup>+</sup>22, SLS17, SC10, SL94, SE14, SM20, SN00, TSOT16, TBA<sup>+</sup>02, TWL<sup>+</sup>15, WRZ<sup>+</sup>19, WZZ<sup>+</sup>19, WLZ<sup>+</sup>19, Wir94, YXC<sup>+</sup>19, ZZY<sup>+</sup>19, ZLW<sup>+</sup>19, ZWQ<sup>+</sup>19, ZSZ<sup>+</sup>19, ZWJ<sup>+</sup>19]. **slope** [ZZM<sup>+</sup>13, ZS19, SRY04, YERT13]. **slow** [MR15]. **Slowing** [Jur20]. **Slupsk** [BRSB16]. **slush** [JVL<sup>+</sup>16]. **SM** [LZS<sup>+</sup>18]. **SM-A87** [LZS<sup>+</sup>18].

**Small** [FVW08, Gre04, HEW15, JSP<sup>+</sup>17, SVB<sup>+</sup>19, SGB<sup>+</sup>08, vHSM04b, AML<sup>+</sup>19, ADRS19, BvGH<sup>+</sup>17, CGR<sup>+</sup>96, CMC11, CWE<sup>+</sup>17, DLWW23, DLB02, GMD07, HK08, HPM02, IARR01, JRGLJ<sup>+</sup>19, KOM17, LTF<sup>+</sup>19, LM96, MCL<sup>+</sup>19, MT98, PRC<sup>+</sup>09, PSK00a, SSW05, SHW<sup>+</sup>16, THT11, YCA<sup>+</sup>20, vFvdBB<sup>+</sup>02]. **small-celled** [HK08]. **Small-scale** [FVW08, Gre04, HEW15, SGB<sup>+</sup>08, AML<sup>+</sup>19, HPM02, IARR01, LM96, SHW<sup>+</sup>16, vFvdBB<sup>+</sup>02]. **small-sized** [PSK00a]. **smelt** [LZL<sup>+</sup>22]. **Smith** [SL06]. **smithii** [CB00a, VAM97]. **SML** [VSR<sup>+</sup>10]. **smooth** [ZRG16, ZDO19]. **snapshot** [BBB<sup>+</sup>11a, KVPK20]. **Snow** [Ald95, DBMI17, FJR<sup>+</sup>20, GKBG17, HNW<sup>+</sup>08, JVL<sup>+</sup>16, LT16, LTW<sup>+</sup>11, Pas16, SBG<sup>+</sup>03, SHW<sup>+</sup>16, TMT<sup>+</sup>11, TML<sup>+</sup>16, WSL<sup>+</sup>11, ZAC<sup>+</sup>15]. **SNPs** [BLBW<sup>+</sup>11, XSL<sup>+</sup>17]. **SNVs** [XSL<sup>+</sup>17]. **soaked** [PUP<sup>+</sup>07]. **SOAR** [MSV18]. **social** [SBL<sup>+</sup>18, VF08]. **socialis** [BLB<sup>+</sup>02]. **society** [Ham07]. **socio** [RDSA<sup>+</sup>21]. **socio-ecological** [RDSA<sup>+</sup>21]. **socketeye** [RNB07, SAB08]. **Socotra** [WST15]. **soft** [AWL<sup>+</sup>09, DCH04, ELG<sup>+</sup>22a, ELG<sup>+</sup>22b, RVD<sup>+</sup>10]. **soft-bottom** [ELG<sup>+</sup>22a, ELG<sup>+</sup>22b, RVD<sup>+</sup>10]. **SOIREE** [BL01a, GBH<sup>+</sup>01, GSMB01, BA01, HBSL01, NW01, TA01, Zel01]. **SoJaBio** [BPBJ13, Che13, MB13, SS13a]. **SokhoBio** [Ala18, BAF<sup>+</sup>18, CP18a, GMB18, MCB18, Mar18]. **solar** [BCG04, PPRHLF02]. **SOLAS** [HLS<sup>+</sup>11]. **sole** [PDC<sup>+</sup>21]. **solenogaster** [OBH<sup>+</sup>18]. **solibores** [HvH04]. **solidissima** [BCL14]. **Soliman** [SR08b]. **solitary** [BCNS15, MDJS11]. **solitons** [WTJ<sup>+</sup>19]. **solubility** [SZG<sup>+</sup>13, VQ97a]. **soluble** [FCW<sup>+</sup>15]. **solute** [GAC<sup>+</sup>02]. **solution** [Mar19]. **solutions** [CJ19, WLD<sup>+</sup>07]. **Solving** [HZL94]. **Somali**

[BC03, DH97, DQSF02, DDB<sup>+</sup>97, EO02, ZSIW21, ZB00]. **Somalia**  
 [BBV00, CB00b, KBV<sup>+</sup>97, vC97]. **Some** [Bas19, FM13, JWO<sup>+</sup>09, Joh19,  
 EWG94, FKW01, HS96, MBTM97, PRSS23, SFK<sup>+</sup>12, SKM<sup>+</sup>12]. **Somniosus**  
 [CFK15]. **Sonar** [KR11, CES98, NDE14]. **Sonar-based** [KR11]. **Sonne**  
 [LSU04, BM15]. **Sonnenemertes** [CAK15]. **sorption** [DSD12]. **sorting**  
 [EBDL08]. **Soudelor** [HZYZ10]. **Sound** [BBW<sup>+</sup>15, Cam18, DZ08, GKR<sup>+</sup>18,  
 LC16, LB18, MC18b, MCCM<sup>+</sup>98, MOA<sup>+</sup>18, BE18, BSRB17, GBP21,  
 LKD<sup>+</sup>15, SBA18, CBA<sup>+</sup>05, LMH<sup>+</sup>18, SNMH18]. **sound-scattering**  
 [LKD<sup>+</sup>15]. **sounder** [LMLC<sup>+</sup>17]. **Source** [BK96b, SCC<sup>+</sup>11, BPD<sup>+</sup>15,  
 CVA<sup>+</sup>13, DHS<sup>+</sup>09, DWW<sup>+</sup>02, FGH<sup>+</sup>13b, Har94, HWP<sup>+</sup>07, KCA05, Kha18,  
 MDH16, NMS09, PPR<sup>+</sup>20a, Rai11, SUK<sup>+</sup>06, WPB11]. **sourced** [OBC<sup>+</sup>14].  
**Sources** [BBB13, CC01, MTMK<sup>+</sup>13, Pri06, RLD<sup>+</sup>15, AHV<sup>+</sup>00, BDWG02,  
 BPF<sup>+</sup>03, BLS<sup>+</sup>97, BTS<sup>+</sup>08, CGM<sup>+</sup>07, CB09a, DTB<sup>+</sup>02, DSYH09, FC15,  
 HF01, LPFS97, LRH<sup>+</sup>11, MKKF18, OSM<sup>+</sup>20, RAC<sup>+</sup>20, TD16, VBF<sup>+</sup>02,  
 WWH97, WYW<sup>+</sup>02, YCYTKB06, ZX12, ZWL<sup>+</sup>22]. **South**  
 [AJP<sup>+</sup>22, BEC<sup>+</sup>96, BG94, CFV<sup>+</sup>18, CSG<sup>+</sup>15, ESL<sup>+</sup>10, GDE<sup>+</sup>96, GW15,  
 HPY<sup>+</sup>15, HWC07, LCT<sup>+</sup>07a, LSL<sup>+</sup>15, MB96, MMC11b, OG11, PWITH15,  
 PHD<sup>+</sup>18, PBN10, PMM<sup>+</sup>94, RSCFT<sup>+</sup>16, SGW<sup>+</sup>15, SMPSD04, VALM17,  
 WWcW<sup>+</sup>15, XGL15, ZHY<sup>+</sup>13, ZSLL15, WPL<sup>+</sup>15, Won15, WKLM15, ADE22,  
 ATLD<sup>+</sup>20, ACR<sup>+</sup>20, Ano09a, BCKH07, BGD11, Can06, CMP14, CEG<sup>+</sup>11,  
 DPS<sup>+</sup>11, DSJ<sup>+</sup>11, ETDB11, FVSR14, FBCN00, GQ09, GFW07, HBR11,  
 HZK04, IIM02, JLTD11, JDD<sup>+</sup>11, JDBP<sup>+</sup>05, KCTG16, KIM08, KVPK20,  
 KWH<sup>+</sup>05, MAR<sup>+</sup>15, MFS<sup>+</sup>23, NMWH19, OB22a, OB22b, PRMM<sup>+</sup>17,  
 RLH<sup>+</sup>03, RNR20, TPW07, TRHA01, TWPP07, VLK06, VFS02, VKG93,  
 WGWW11, WNA<sup>+</sup>10, WRS99, ZRC<sup>+</sup>11, ZGGF22, APL<sup>+</sup>23, ACV<sup>+</sup>01,  
 ACG<sup>+</sup>01, AJR<sup>+</sup>15, BJK<sup>+</sup>22, BCG<sup>+</sup>22, BW99a, BN04, BSZ99, BY04,  
 BHJ<sup>+</sup>14, CSL<sup>+</sup>22, CdST<sup>+</sup>17, CG21, lLCCC07, CHL<sup>+</sup>15, CLSS15, CSL<sup>+</sup>07,  
 CCC<sup>+</sup>03, CWEHT22, CWS<sup>+</sup>23, CHH<sup>+</sup>22, CHR97]. **South**  
 [DW15a, DDN<sup>+</sup>04, DHS<sup>+</sup>14, DNR20, DRR17, DLL<sup>+</sup>15, FC15, FSGV<sup>+</sup>09,  
 GWL<sup>+</sup>15, GM11, GSB<sup>+</sup>23, HSR<sup>+</sup>23, HRSJ23, HLG<sup>+</sup>21, HNM<sup>+</sup>20, HMS<sup>+</sup>13,  
 HKN<sup>+</sup>04, HKAM12, HSR<sup>+</sup>22, HSD04, HFL<sup>+</sup>15, HZ19, HHX<sup>+</sup>10, JSWB21,  
 JKB04, JRG<sup>+</sup>22, JFK<sup>+</sup>10, JBVW12, KFS<sup>+</sup>17, KMG<sup>+</sup>20, KWW04, LRFK99,  
 LOA13, LSNH15, LDBS<sup>+</sup>17, LSU04, LLH<sup>+</sup>15, LW15, LWW<sup>+</sup>15, LCW<sup>+</sup>07,  
 LH07, LFW<sup>+</sup>22, LKH<sup>+</sup>07, LCT<sup>+</sup>07b, LBY<sup>+</sup>10, LHKHH10, LCE<sup>+</sup>23, LT03,  
 LFKF<sup>+</sup>17, MS99, MV19, MMH<sup>+</sup>08, MNR<sup>+</sup>11, MGR03b, MF09, NTF01,  
 NMR10, NRH<sup>+</sup>20, NRBO<sup>+</sup>05, PHM06, PW15, PD01, RCW<sup>+</sup>15, RPB02,  
 RHB<sup>+</sup>04, RSCFT<sup>+</sup>13, RTM<sup>+</sup>20, RAB<sup>+</sup>17, Rog17, SKC99, SHD<sup>+</sup>14, SHB02,  
 SRW<sup>+</sup>10, SLHS20, SHC<sup>+</sup>22, SBC17, SDGH14, SLC<sup>+</sup>15, SLB<sup>+</sup>15, Sum19,  
 TGLN93, TTLP06, TM22, TWL<sup>+</sup>15, UP09, VVV04a, VTD<sup>+</sup>20, VM01,  
 WKM<sup>+</sup>07a, WT14, WLD15, WZC<sup>+</sup>19, WRZ<sup>+</sup>19, WZZ<sup>+</sup>19, WT12, WC07a,  
 WAN<sup>+</sup>15, WKM<sup>+</sup>07c, WYIT13, WC07b, WDC<sup>+</sup>15, WCL<sup>+</sup>15b]. **South**  
 [YXC<sup>+</sup>19, YZZ<sup>+</sup>19, YKY<sup>+</sup>07, You99, YMMC11, ZV13, ZWC<sup>+</sup>15, ZLZ<sup>+</sup>15,  
 ZZY<sup>+</sup>19, ZLW<sup>+</sup>19, ZWQ<sup>+</sup>19, ZSZ<sup>+</sup>19, ZWJ<sup>+</sup>19, ZS19]. **south-central**  
 [BCKH07]. **South-east** [PBN10, ADE22, OB22a, OB22b, SHD<sup>+</sup>14].

**south-eastern** [TPW07]. **South-equatorial** [SKC99]. **south-west** [MAR<sup>+15</sup>, MFS<sup>+23</sup>, WNA<sup>+10</sup>, WRS99, ZRC<sup>+11</sup>, ZGGF22, AJR<sup>+15</sup>, JFK<sup>+10</sup>, LDBS<sup>+17</sup>]. **south-western** [ATLD<sup>+20</sup>, ACR<sup>+20</sup>, NMWH19]. **southcentral** [BMB<sup>+18</sup>]. **Southeast** [SH02, ULH<sup>+21</sup>, BES11, BSG<sup>+11</sup>, Blo02, BA02, Bor01, BTUV08, CP02, DMW<sup>+07</sup>, GEP<sup>+16</sup>, GS06a, LWO<sup>+09</sup>, MFPL19, NBB<sup>+02</sup>, NDD<sup>+14</sup>, OS02, PPB<sup>+22</sup>, RPMS95, SKR<sup>+12</sup>, SWCB02, TBH09, WSFB02, WKM<sup>+07b</sup>, WKM<sup>+07c</sup>, BT98, BNP<sup>+09</sup>, KMOM19, MC18a, MSRM08, RCL<sup>+09</sup>, SBK<sup>+16</sup>, VBM<sup>+19</sup>, Wei15, WNHF<sup>+15</sup>]. **southeastern** [AZK<sup>+20</sup>, AKHR<sup>+20</sup>, BRB<sup>+13</sup>, CKH<sup>+05</sup>, CKB<sup>+07</sup>, CML<sup>+14</sup>, ESDM13, FB05, GGC19, HSHM02, HSW<sup>+02</sup>, HBJ02, HSSN08, HRK14, KHS<sup>+02</sup>, KIM08, MHO02, Mac08, MDH16, OMS06, OYM<sup>+13</sup>, PC08, RS02, SMZ<sup>+08</sup>, SBB<sup>+11</sup>, SHM13, SNS<sup>+16</sup>, SS02, SDAH<sup>+12</sup>, SHR02, SKSW02, SBS07, SKM<sup>+12</sup>, SGM<sup>+14</sup>, SHPM14, SF08, SPP22, TKF07, OGG<sup>+20</sup>, RD02, SDL22, SSDA13, JJVH18]. **southerly** [BSH<sup>+11</sup>, RPMS95]. **Southern** [AS01b, BTFB12, BTR95, BSL08a, BTUV08, CBB<sup>+00</sup>, ETD<sup>+11</sup>, FWP<sup>+07</sup>, FvFC<sup>+11</sup>, GAL<sup>+20</sup>, GFPM02, HC15, HBC<sup>+23</sup>, HPM02, JSWB21, JBVW12, LBR<sup>+11</sup>, LRL<sup>+22</sup>, LCE<sup>+23</sup>, MB07a, MSF<sup>+22</sup>, MMH<sup>+08</sup>, MNR<sup>+11</sup>, MDS<sup>+16</sup>, PDH<sup>+11</sup>, PHE<sup>+18</sup>, PSF<sup>+07</sup>, SBQ<sup>+02</sup>, SAM<sup>+00</sup>, SA03, TM22, TVLB08, VPP07, WAL<sup>+11</sup>, YMMC11, ZLJ08, vBBR<sup>+08</sup>, AGGdC14, AKZL16, AKM<sup>+05</sup>, BMS<sup>+18</sup>, BTR20, BvWR<sup>+20</sup>, BBR<sup>+96</sup>, BA94, BG09b, BT03, CRD01, CTW<sup>+15</sup>, CHPS00, CDG00, CCC<sup>+03</sup>, CTW<sup>+20</sup>, CD20, CPW<sup>+18</sup>, DLLK15, DMC<sup>+01</sup>, EWP<sup>+99</sup>, ESWL20, EMEP18, EPHE18, FLM10, FPW02, FGH<sup>+13a</sup>, FS14, GBC<sup>+13</sup>, GHM18, GGAMV<sup>+23</sup>, GPCT23, GBC<sup>+05</sup>, GMC<sup>+12</sup>, GZZC10, HA10, HHMF11, dITGCAB<sup>+03</sup>, HSH<sup>+13</sup>, HFP94, HV03, IBD10, IAA96, iTT<sup>+15</sup>, JCM<sup>+13</sup>, KLL03, KFA<sup>+20</sup>, LCR<sup>+96</sup>, LM01, LBB<sup>+06</sup>, LAT<sup>+18</sup>, MPMD<sup>+06</sup>, MC06, MCM<sup>+14</sup>, MWK<sup>+20</sup>, MGJ<sup>+18</sup>, MC18a, MWT<sup>+17</sup>, MNSMN<sup>+04</sup>]. **southern** [MCS<sup>+09</sup>, MT96, MdSLH13, NDD<sup>+14</sup>, PS04a, PKHH17, PvRR18, PJC19, PMF<sup>+17</sup>, PBGCD<sup>+13</sup>, PJLO<sup>+17</sup>, PNC<sup>+06</sup>, QS04, RWT<sup>+20</sup>, RLB03, RYT01, SMR<sup>+06</sup>, SSWM18, SWK<sup>+23</sup>, SMS01, SPF<sup>+94</sup>, SFK<sup>+12</sup>, SBK<sup>+16</sup>, STS<sup>+15</sup>, VGGLB15, VDS<sup>+20</sup>, WMW<sup>+20</sup>, WL20, WOM<sup>+16</sup>, WTJ<sup>+19</sup>, WZ03, WWHT20, XWZ24, YSBH06, YLBdR03, YS01, ZZM<sup>+13</sup>, dBC<sup>+09</sup>, dSSB<sup>+01</sup>, vC97, ABC<sup>+04</sup>, AMvD<sup>+12</sup>, ACPV04, ABE<sup>+11</sup>, ACFS02, AA15, ACSG15, AHK99, ADAM02, ACBMQ08, AHB<sup>+17</sup>, BC11, BCE<sup>+07</sup>, BDB97, BWL01, BCT21, BSK<sup>+97</sup>, BLBW<sup>+11</sup>, Bec97, BSS20, BBM<sup>+08</sup>, BCG04, BFT<sup>+97</sup>, BBE<sup>+13</sup>, Bis94, BSG<sup>+02</sup>, BCH<sup>+11</sup>, BL03, BPD<sup>+15</sup>, BFML<sup>+08</sup>, BABB08, BTC13, BMF<sup>+01</sup>, BL01a, Boy02, BCH<sup>+19</sup>, BVB14a, BBBM04, BBB<sup>+07</sup>, BE09, BEB11, BVB<sup>+14b</sup>, BW14, BWWG98, BB04, BCB07, BNFS01, BDNS03, BBA<sup>+01</sup>, BBD<sup>+03</sup>, CSEP<sup>+17</sup>, CRDP02, CCBL14, CGM<sup>+07</sup>, CGSZ13].

**Southern**  
[CAFK03a, CAFK03b, CWWB04, CFT<sup>+04</sup>, COV<sup>+08</sup>, CP03, CHH<sup>+22</sup>, CS20, CAÖT04, CBS11, CSS<sup>+02</sup>, DSN<sup>+10</sup>, DDS11, DeM02, DRBM97, DCA09, DSO<sup>+97</sup>, DKN<sup>+97</sup>, DB97a, DSN<sup>+20</sup>, Di 03, DFD<sup>+11</sup>, Die07, DWJ<sup>+15</sup>, DB97b, DB02, DLKP14, ETDB11, FdBGP11, FAS<sup>+03a</sup>, FAS<sup>+03b</sup>, FMO02, FLMF07,

FRW00, FS07, FBCN00, FCA04, FCAD04, FGH<sup>+13b</sup>, FBCP01, FPGH02, Fro04, FPB04, Gai97, GBL<sup>+08</sup>, GAL<sup>+12</sup>, GCKC07, GPB09, GCB04, GPK02, HS01, HBSL01, HS98, HZMH07, Hei02, HMS<sup>+03</sup>, HWCT04, HWCT11, HFM<sup>+00</sup>, HHP04, HWS<sup>+07</sup>, HSC<sup>+07</sup>, HMA20, ISB<sup>+11</sup>, ILWH03, IIM02, IPH<sup>+17</sup>, JBM<sup>+08</sup>, KBLA97, KBB07, KSL<sup>+04</sup>, KNV<sup>+10</sup>, KCMT<sup>+20</sup>, KLM<sup>+11</sup>, KWW04, KMD<sup>+11</sup>, LB07, LGO08, LEP14, LYN<sup>+13</sup>, LW10, LGVK<sup>+14</sup>, LBB<sup>+07</sup>, LTW<sup>+22</sup>, LS10, LZL<sup>+22</sup>, LSA14, LBGW97, MQ01, MT15, MCH<sup>+13</sup>, MPL15, MTE<sup>+02</sup>, MMTT<sup>+20</sup>, MV01, MTWC<sup>+15</sup>, MKT<sup>+15</sup>, MHA<sup>+15</sup>].

**Southern** [MMH<sup>+08</sup>, Met09, MLBB14, MBK97, MvSdBL11, MdBL<sup>+11</sup>, MNV<sup>+20</sup>, MNPT06, MMT08, MBT97, MSTT07, MC13, MQACB08, MLS<sup>+15</sup>, NGS<sup>+15</sup>, NGM<sup>+20</sup>, NBSF01, NAB<sup>+02</sup>, NSvH<sup>+11</sup>, NMR10, NLY<sup>+13</sup>, NTH10, NW01, OCL<sup>+08</sup>, OSCS00, ÖCB<sup>+04</sup>, PFP02, Pak04, PF04a, PF04b, PLRV22, PDA<sup>+20</sup>, PMJW10, PMS<sup>+20</sup>, PFdSG11, Pee97, PMJ20, PLR02, PBD<sup>+02</sup>, PO15, PPR<sup>+20b</sup>, PGK15, QTPS97, QB02, Qué13, RGTV97, RDP<sup>+02</sup>, Rai11, RJM<sup>+15</sup>, RDW<sup>+22</sup>, RGW04, RMBW07, RGH<sup>+24</sup>, RHB<sup>+04</sup>, RGHN<sup>+97</sup>, RHPC<sup>+19</sup>, RW95, RMPI<sup>+17</sup>, Rod13, RDdL<sup>+13</sup>, SGA<sup>+15</sup>, SLC<sup>+20</sup>, SLS<sup>+07</sup>, STJ<sup>+08</sup>, SMCA01, SVD97, SH11a, Sch02a, SE07, SF04, SF11, SSH<sup>+11</sup>, SMP<sup>+15</sup>, SNB02, SDB<sup>+97</sup>, SSS<sup>+11</sup>, Smi11, SBN<sup>+15</sup>, SBA<sup>+20</sup>, SWGPK17, SLC<sup>+15</sup>, SCC<sup>+11</sup>, TOF04, THJ<sup>+17</sup>, TLSW15, TDvdE<sup>+10</sup>, TGK<sup>+11</sup>, TAL<sup>+12</sup>, TNT<sup>+15</sup>, TSSR20, TP02b, TP02a, TLK<sup>+02</sup>, TPS<sup>+15</sup>, TRHA01].

**Southern**

[TA01, TDC08, TOP95, TCH<sup>+16</sup>, VQ97a, VQ97b, VSD<sup>+97</sup>, VTA<sup>+11</sup>, VVM<sup>+12</sup>, VKM<sup>+10</sup>, WN01, WW04a, WFF07, WHNS04, WCK<sup>+18</sup>, WDG<sup>+02</sup>, WvdEP<sup>+10</sup>, WW04b, WPB11, ZDW<sup>+20</sup>, bsBD<sup>+20</sup>, GBH<sup>+01</sup>, GSMB01].

**southward** [AJR<sup>+15</sup>, FS07, PMS<sup>+20</sup>]. **Southwest**

[BLB<sup>+99</sup>, CDA98, DOB<sup>+01</sup>, LCL<sup>+98</sup>, Sam01, BRG17, BEGC04, BC03, BCBF03, BSRB17, CWB02, FAS<sup>+03b</sup>, FA02, HML99, HAM<sup>+15</sup>, JR04, KOO<sup>+24</sup>, LB93, MAH<sup>+12</sup>, RP17, SZH<sup>+04</sup>, SKW<sup>+04</sup>, WACGH11, ACD<sup>+17</sup>, Ark13, DT03, FYS<sup>+17</sup>, GGH98, HRX17, LBSB<sup>+17</sup>, LB98a, MMHB98, ML20, PR17, RMA<sup>+20</sup>, STB<sup>+17</sup>, SOS01, SSAL<sup>+17</sup>, WLC99]. **Southwestern**

[BSL08b, MP17, BDR<sup>+03</sup>, CRA<sup>+20</sup>, ESK06, HRS<sup>+23</sup>, JKP<sup>+17</sup>, LPPK14, MAN<sup>+20</sup>, MGT<sup>+20</sup>, OTK<sup>+05</sup>, PW05, PPYN15, PSB14, RKM<sup>+23b</sup>, WC24, YK04, CBA<sup>+20</sup>, EBGCL08]. **sp**

[AM15, AM18, AM22a, BCNS15, CAK15, CP18a, GMB18, Gol18, GBBS00, KBR18, MB07a, MGE13, MB18, MM15, QRE<sup>+17</sup>, SS13a, SM15, Ste13, SC15, UC13, VK04, VHM17, VWTK18, WST15, vFvdBB<sup>+02</sup>]. **space**

[HMSMK04, JBB<sup>+13</sup>, PBO<sup>+11</sup>, WWHT20]. **Spain**

[JRGLJ<sup>+19</sup>, BFM<sup>+14</sup>, BFG<sup>+10</sup>, CJA<sup>+06</sup>, HNRGL06]. **Spanish**

[CR06, Can06, DFY<sup>+23</sup>, LTL<sup>+23</sup>, WYL<sup>+20</sup>]. **Spatial**

[ALHP18, AMH<sup>+01</sup>, BDL<sup>+22</sup>, BGIJ<sup>+06</sup>, BFC<sup>+06</sup>, BEC<sup>+96</sup>, BO96, BCS99, BG94, BY04, BMGC09, CJA<sup>+06</sup>, CG07, CMR<sup>+18</sup>, CRBK03, CHR97, DSB<sup>+18</sup>, DABMAMA04, DVS<sup>+14</sup>, DLW<sup>+17</sup>, DG18, EGL<sup>+16</sup>, FPB<sup>+14</sup>, FLM10, FAMY20, GMR<sup>+09</sup>, GLK<sup>+06b</sup>, GKR<sup>+18</sup>, HP98, HdMR<sup>+99</sup>, HC05, HNCW23, IFFGL<sup>+04</sup>, IIM<sup>+09</sup>, KOM17, KAI21, LBC<sup>+98</sup>, LAP<sup>+17</sup>, bLHsL<sup>+13</sup>, LMC<sup>+12</sup>,

MRRG23, MDH08, MMS<sup>+19</sup>, MPH<sup>+22</sup>, MO96, MG13, MHA<sup>+15</sup>, MBK97, NR06, NBSM01, OM98, OS04, PWD<sup>+11</sup>, PPYN15, PvRR18, PH96, PMF<sup>+17</sup>, PRDB<sup>+17</sup>, PLPS98, PAM<sup>+14</sup>, PE17, QLU09, RSWG04, RMCAR06, RJDR06, SBM16, San13, SPSM23, SL94, SLM<sup>+20</sup>, TWA<sup>+12</sup>, TM22, TLP<sup>+12</sup>, WCMB06, WPW95, WW04b, XSM<sup>+19</sup>, YAS<sup>+93</sup>, ZXLL10, bsBD<sup>+20</sup>, Ano97b, BH14, BHMC05, BBS<sup>+20</sup>, BWS<sup>+98</sup>, BF14, CD09, CLL<sup>+03</sup>, CGR<sup>+96</sup>, CBSS02, CWEHT22, CSS<sup>+22a</sup>, CHH19, DS21, DCC<sup>+13</sup>, DSG<sup>+09b</sup>]. **spatial** [DRR17, DPY14, DC06, GDE<sup>+96</sup>, GSW<sup>+09</sup>, GHB<sup>+05</sup>, GGRW98, HWM02, HHMF11, HLS<sup>+02</sup>, HPY<sup>+15</sup>, HHKH<sup>+04</sup>, HSSN08, IS07, IPH03, KWW04, KL13, LCD<sup>+24</sup>, LJBF00, MRB<sup>+14</sup>, MMID17, MHB05, Mit96, MFG<sup>+04</sup>, MMC11a, MGGTM19, MARFP08, MBC<sup>+09b</sup>, MPS<sup>+03</sup>, MTWH04, NSY04, NBBBT13, OHK<sup>+02</sup>, OTOH05, PPA10, PFP02, PTS01, PdBK<sup>+03</sup>, PFAZL09, RMA<sup>+20</sup>, RSW<sup>+13</sup>, RBP<sup>+05</sup>, RSCFT<sup>+13</sup>, RSCFT<sup>+16</sup>, RJGBF02, SSH<sup>+02</sup>, SiSA<sup>+02</sup>, SLHS20, SFV<sup>+98</sup>, SBSH99, SW01, SGC03, SGI<sup>+19</sup>, SGB<sup>+08</sup>, SMS<sup>+08</sup>, SMLS02, TLSW15, UPS04, WMB<sup>+13</sup>, WC24, WMS<sup>+96</sup>, WGMC14, Ano95b]. **spatial-temporal** [CHH19]. **spatial/temporal** [SMS<sup>+08</sup>]. **Spatially** [SLT<sup>+11</sup>, BMH<sup>+94</sup>, HHD<sup>+09</sup>, TPW<sup>+16</sup>]. **spatially-diverse** [TPW<sup>+16</sup>]. **Spatially-resolved** [SLT<sup>+11</sup>]. **Spatio** [ÁRR02, AGAB19, ACG19, BBH05, JBC<sup>+21</sup>, OYK15, SWBKK10, SMSI08, SBA18, TBH09, TMGLM19, YKS<sup>+19</sup>, ALR<sup>+14</sup>, MSI<sup>+08</sup>, RJB<sup>+04</sup>]. **Spatio-temporal** [ÁRR02, AGAB19, ACG19, BBH05, JBC<sup>+21</sup>, OYK15, SWBKK10, SMSI08, SBA18, TBH09, TMGLM19, YKS<sup>+19</sup>, ALR<sup>+14</sup>, RJB<sup>+04</sup>]. **Spatiotemporal** [BFT10, SPEPS18, BvGH<sup>+17</sup>, TT17, WHF<sup>+19</sup>]. **spawn** [BCBB12]. **Spawning** [MBD<sup>+17</sup>, NHCL14, AI09, BE18, CHPF10, EEAA<sup>+19</sup>, FPS10, GSC<sup>+19</sup>, GGTMG<sup>+10</sup>, GGRJD<sup>+10</sup>, HSC<sup>+19</sup>, KT06, LWB<sup>+20</sup>, NDD<sup>+14</sup>, Pro09, RSB<sup>+17</sup>, SAVP12, SCH<sup>+19a</sup>]. **special** [ABC<sup>+04</sup>, CSS<sup>+10</sup>, DNR20, Har11, HSSN08, KGB16, LSHB09, MM14, RBMY02, RH94, STM04a, STM04b, TTL<sup>+16</sup>, WTL<sup>+06</sup>, ZS19]. **specialization** [TCEW07]. **specialized** [AZYT16]. **speciation** [AV97, ABE<sup>+11</sup>, BC11, CHN<sup>+18</sup>, CAÖT04, CWdE99, JM15, KTF07, LGC<sup>+12</sup>, MS99, MMN10, PLdL97, PD01, TY98, WLL00, WJS<sup>+06</sup>]. **Species** [BDR16, DTWW17, DTWW21, FCBD08, GRB<sup>+17</sup>, JBOH10, Kam13, Kam18, LCVV06, LCD<sup>+24</sup>, MNN10, MHC<sup>+10</sup>, NOFP14, OA11, RQRVM10, SSM09, VVV04b, ZWJ<sup>+19</sup>, AMJRD19, AM15, Ala15, Ala18, AP22, ADE22, Ano96g, BGIJ<sup>+06</sup>, BMK96, BVL04, BV04, BTR20, BPPJ15, BH97, BCNS15, BCE18, BLH05, BSCE15, BT03, BBT<sup>+18</sup>, BZvHH00, BB04, BMK09, BFK<sup>+14</sup>, BHK<sup>+10</sup>, BOJ<sup>+10</sup>, CKFC18, CSE<sup>+22</sup>, CRA<sup>+20</sup>, Che13, CP18b, CP22, CLQ<sup>+18</sup>, CBMM15, CBHF10, CMTS97, CGD<sup>+15</sup>, CP05, CPEN08, DDS11, DZL<sup>+17</sup>, DRVVS<sup>+14</sup>, DM16b, DSC<sup>+19</sup>, DAGK<sup>+17</sup>, DG18, EEAC<sup>+20</sup>, EBGCL08, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, FM13, FL02, FGB10, FNS20, GTSC08, GASGB<sup>+14</sup>, GLCU<sup>+17</sup>, Gol15, Gol18, GM22, GIPLL<sup>+14</sup>, GBSL98, GGO<sup>+14</sup>, Gut06, HDK08, HNS<sup>+11</sup>, HRS<sup>+23</sup>, HIA<sup>+16</sup>, HK10, HSZS17, IATK17, JR11, JLR<sup>+13</sup>, KBK<sup>+18</sup>, KOM17, KGB<sup>+14</sup>]. **species**

[KGS23, KBR18, KEA<sup>+17</sup>, KRHS20, LRFK99, LPdR<sup>+14</sup>, LMS15, LSHB09, LdSN<sup>+18</sup>, LTL<sup>+23</sup>, LMLC<sup>+17</sup>, MS09, MTGY05, Mah16, MA13, Mal15, MFB18, MG22, MP17, Mas01, MHPS19, MM15, MPH<sup>+16</sup>, MFS<sup>+23</sup>, MST<sup>+14</sup>, NMK<sup>+20</sup>, NCL13, OKH<sup>+22</sup>, OCG<sup>+09</sup>, OCT<sup>+19</sup>, OBH<sup>+18</sup>, PSUH<sup>+16</sup>, PC98, PRSS23, QNL<sup>+16</sup>, RCW<sup>+15</sup>, RMBW07, RMD<sup>+12</sup>, RP18, RHPC<sup>+19</sup>, RQM<sup>+08</sup>, SZM10, SLdB<sup>+15</sup>, SSMC10, SBE<sup>+07</sup>, SKS<sup>+23</sup>, SSAL<sup>+17</sup>, SRAL<sup>+17</sup>, SDB<sup>+19</sup>, SKMDR02, SM03, SLT<sup>+14</sup>, SHC<sup>+22</sup>, SBG<sup>+06</sup>, Tan03, UC13, VK04, VPdP06, VFFM13, Vri09, WSSN10, WAL<sup>+11</sup>, Wil08, WTA<sup>+18</sup>, XSL<sup>+17</sup>, dMGPT<sup>+14</sup>]. **species-diversity** [PC98].

**Species-specific** [NOFP14, BFK<sup>+14</sup>, RP18]. **Specific** [MNSMN<sup>+04</sup>, BFK<sup>+14</sup>, BLC<sup>+02</sup>, DEJ08, FVSRR14, HIA<sup>+16</sup>, KBR18, MGT16, NOFP14, OMAA18, RP18, SLT<sup>+11</sup>, SPW<sup>+22</sup>, VBM<sup>+19</sup>, ZRG16].

**spectacled** [CSG<sup>+13</sup>]. **spectra** [APLW09, BW93, Jac95a, JLAD95, SHI06, SP00, TSW<sup>+12</sup>, WSE<sup>+16</sup>, ZSZ<sup>+19</sup>, ZTZB09]. **Spectral** [DNA97, Arm03, HLFP08, HS93, MHA<sup>+15</sup>]. **Spectro** [LCW<sup>+07</sup>].

**Spectro-radiometer** [LCW<sup>+07</sup>]. **spectrometry** [SKD<sup>+16</sup>, STWW01, WJS<sup>+10</sup>]. **spectromicroscopy** [AWL<sup>+09</sup>].

**spectroscopy** [HS93]. **spectrum** [HAM<sup>+15</sup>]. **speed** [HCZ<sup>+07</sup>, Led93].

**Sperm** [MBG18, SGB<sup>+08</sup>]. **Spermonde** [CSS<sup>+10</sup>]. **Sphaerephesia** [Ala15].

**sphaerica** [GBBS00]. **Sphaerodoridae** [Ala15, SRAL<sup>+17</sup>].

**Sphaerodoropsis** [SRAL<sup>+17</sup>]. **Sphere** [PFW<sup>+09</sup>]. **spherical** [CJ19, Joh19, Mar19, Pal19]. **spider** [ASMM11]. **Spill** [NM18, ALHP18, AKZL16, CMP14, DBG<sup>+16</sup>, EBM<sup>+18</sup>, GGM<sup>+16</sup>, LMH<sup>+18</sup>, LLG<sup>+16</sup>, MPM<sup>+16</sup>, Pas18, PDB<sup>+16</sup>, PFDD16, RP18, RPF<sup>+16</sup>, SAW16, ZA16, ZJA16, QNL<sup>+16</sup>]. **spills** [FSP<sup>+16</sup>, RD16]. **spin** [NAT<sup>+12</sup>]. **spinax** [CAJE15]. **spines** [Mah16]. **spinifera** [FPS10]. **spinifrons** [EGMB13, MGE13]. **spinosum** [PPC<sup>+07</sup>]. **spionid** [GLMB18]. **Spisula** [BCL14]. **splitting** [BWAS02, SAK05]. **SPOM** [ÇYAYT06]. **sponge** [DJ15, DFJ18, HCBL<sup>+17</sup>, KGB<sup>+14</sup>, KBFH14, NDE14, PCF<sup>+18</sup>, SKS<sup>+23</sup>].

**sponge-beds** [KBFH14]. **sponges** [DAGK<sup>+17</sup>, GJ11, HRX17, RJT11, TGU<sup>+06</sup>, YLG<sup>+18</sup>]. **spoon** [MA18b].

**Sporadic** [WM99]. **spores** [RGHN<sup>+97</sup>]. **spot** [GS06a]. **spots** [Ano06g, AZYT16, PBFS06, RN06, ZKSS06]. **spotted** [KM15]. **spp** [dSVC<sup>+14</sup>, AKK<sup>+05</sup>, AMK<sup>+05</sup>, BKS<sup>+10</sup>, BGMH01, CTCD05, GTTKB14, HPN<sup>+12</sup>, JLB<sup>+99</sup>, KTP05a, KIM08, LCDS00, MTK05, OLG<sup>+01</sup>, STR<sup>+14</sup>, Uys06]. **spp.** [SHC<sup>+22</sup>]. **Spreading** [KL96c, BBG15, JASS02, MR15].

**Spring** [BSK<sup>+97</sup>, BGMH01, CD99, HCS05, JCF<sup>+06b</sup>, SSE<sup>+14</sup>, SFB16, TSZT13, YSBH06, ARLB00, Ald95, AMP<sup>+03</sup>, Ano95b, ADAM02, AGM<sup>+93</sup>, AS95, BSMV03, BCI02, BRG<sup>+19</sup>, BDB97, BMGF93, Bec97, BS01, BSKD<sup>+07</sup>, BRSIW95, CAS<sup>+16</sup>, CDG00, CC03, CCS<sup>+16</sup>, CBJ<sup>+23</sup>, DNM<sup>+16</sup>, DPS<sup>+14</sup>, DSO<sup>+97</sup>, DKN<sup>+97</sup>, DB97a, DO01, DKQ<sup>+93</sup>, DC06, FMO02, FWP<sup>+07</sup>, FWC<sup>+12</sup>, FD01, FG97, FWM<sup>+11</sup>, FHYI03, GWR93, GTTKB14, HNW<sup>+08</sup>, HDD<sup>+11</sup>, HMAW11, HK08, HNB<sup>+13</sup>, IGN<sup>+10</sup>, IHSS<sup>+10</sup>, JCF<sup>+06a</sup>, JLR<sup>+13</sup>, JZ93, KBLA97, KJL<sup>+17</sup>, KFF<sup>+94</sup>, KMM<sup>+08</sup>, KAHS20, KYI10b, KUN10,

KIN<sup>+10</sup>, KMO<sup>+10</sup>, KS10, KLD21, LMG93, LTW<sup>+11</sup>, LDHI93, LYN<sup>+13</sup>,  
 LHM14a, LHZJ13, LXS<sup>+13</sup>, MH93, MLG<sup>+02</sup>, MNG<sup>+11</sup>, MGH<sup>+16</sup>, MBK97,  
 MDT<sup>+08</sup>, MKS<sup>+02</sup>, NKF<sup>+10</sup>, NMK<sup>+20</sup>, NSY04, NYH<sup>+20</sup>, NED09,  
 OVKN11, OHS10, Pee97, PTD<sup>+14</sup>, PFX<sup>+02</sup>, PCAS05, Pro09, QTPS97,  
 QB02, RWRS08, SMB<sup>+93</sup>, SCGDU09]. **spring**  
 [SPSM23, SF10, SHGB95, SvDMC<sup>+16</sup>, SSMM<sup>+08</sup>, SSHM<sup>+08</sup>, SLA<sup>+01</sup>,  
 SSR13, SET<sup>+09</sup>, SVS93, SDB<sup>+97</sup>, SGM<sup>+14</sup>, SNW08, SDLZ13, SKF<sup>+10</sup>,  
 SFP<sup>+09</sup>, SFW<sup>+13</sup>, SFZ<sup>+13</sup>, TS93, TKF07, TT01, UWvdE<sup>+16</sup>, VGBGPA02,  
 VSS<sup>+93</sup>, VPS97, VMF<sup>+16</sup>, WAPL95, WSE<sup>+16</sup>, WT14, WGR<sup>+95</sup>, WPW95,  
 Wir94, YOK<sup>+10</sup>, YOO<sup>+10</sup>, YK04, ZZX<sup>+13</sup>, ZXH<sup>+13</sup>, vdLBB<sup>+02</sup>,  
 vdMLB<sup>+11</sup>, DCM<sup>+99</sup>, LB98a, RA98, RFB97, Sam01]. **Spring-time**  
 [YSBH06, SGM<sup>+14</sup>]. **spring/early** [FWP<sup>+07</sup>]. **spring/summer**  
 [DPS<sup>+14</sup>, PTD<sup>+14</sup>]. **Springtime** [FPW02, GP08]. **Spumellaria** [IUdV<sup>+12</sup>].  
**Spur** [SHM<sup>+07</sup>, HDF<sup>+01</sup>, HSM<sup>+01a</sup>, HCG<sup>+01</sup>]. **squaliform**  
 [CP13, CGD<sup>+15</sup>]. **SQUAM** [DIM<sup>+12</sup>]. **squat** [CRT<sup>+00</sup>]. **Squid**  
 [Ark13, OSG<sup>+13</sup>, BJP<sup>+22</sup>, FEB<sup>+13</sup>, IDSM04, JKJ<sup>+22</sup>, JRG<sup>+22</sup>, NA13,  
 PNVJ13, Rod13, SRS<sup>+20</sup>, Sei13, SMV<sup>+13</sup>, SFMG13, SGFP13, TS13, VJP<sup>+10</sup>].  
**squids** [CNOC13, LWB<sup>+20</sup>, NCSO13, TTDR13, YOR13]. **Sr** [ATN<sup>+12</sup>,  
 HKFL03, Ike03, LLLP<sup>+03</sup>, MPS<sup>+03</sup>, PFG<sup>+03</sup>, SHWW22, SZS<sup>+07</sup>, WCJ97].  
**Sr/Ca** [SZS<sup>+07</sup>]. **SRDL** [SSWM18]. **Sri** [CS19, LPJ<sup>+19</sup>]. **SS** [DCS<sup>+18</sup>].  
**SSH** [Yu03]. **SSS** [BMT20]. **SST** [BMT20, DIM<sup>+12</sup>, KK19, NOLASZ04]. **St**  
 [DSO<sup>+00</sup>, DK1<sup>+00</sup>, DI00, GLCP12, MCS<sup>+09</sup>, PCB<sup>+00</sup>, RSRL00, RSR<sup>+00</sup>,  
 SVR<sup>+00</sup>, TLKT00, VSR<sup>+00</sup>]. **St.**  
 [FBB<sup>+13</sup>, HNB<sup>+13</sup>, KIM08, WTI<sup>+20</sup>, ZX12]. **Stability**  
 [SF11, CPEN08, Reb03, RP05]. **stabilizes** [OvdRvA<sup>+22</sup>]. **Stable**  
 [ACR<sup>+20</sup>, BLM<sup>+10</sup>, BSS<sup>+00</sup>, Car10, CCM<sup>+20</sup>, CMVS<sup>+10</sup>, MBB<sup>+14</sup>,  
 NMH<sup>+06</sup>, PGK15, RTC06, SHR02, Sot09, VCRDF99, AHV<sup>+00</sup>, BWD20,  
 BFM<sup>+14</sup>, CHV<sup>+15</sup>, CRM<sup>+16</sup>, CML<sup>+09</sup>, DBMI17, GLCU<sup>+17</sup>, HFK<sup>+02</sup>,  
 HAM<sup>+15</sup>, JSM<sup>+16</sup>, JHHK14, Kli09, KYKJ16, KHH<sup>+17</sup>, LL13, LPL<sup>+20</sup>,  
 LNDH<sup>+17</sup>, MSW<sup>+13</sup>, MC18a, MKKF18, NMS09, PVK<sup>+20</sup>, PGFP<sup>+08</sup>,  
 PCP<sup>+17</sup>, RSW<sup>+13</sup>, RKM23a, RPF<sup>+16</sup>, SRFR07, SAM<sup>+12</sup>, STS11, TSW<sup>+12</sup>,  
 WWH<sup>+10</sup>, WYPY06]. **stable-conservative** [BWD20]. **stage**  
 [BJP<sup>+22</sup>, CHPF10, CCC<sup>+23</sup>, GGPM05, Kli09, TIS<sup>+13</sup>]. **stages**  
 [BGIJ<sup>+06</sup>, BZS<sup>+16</sup>, DDAH<sup>+14</sup>, HiII<sup>+19</sup>, HiII<sup>+20</sup>, MDH16, OB22b, Pro09,  
 RDBP14, RGIH<sup>+06</sup>, SRS<sup>+20</sup>, SSDA13, SDMC03, SMV<sup>+13</sup>, TY98, ZA16].  
**staghorn** [GNB<sup>+17</sup>]. **stained** [CG04, FDR<sup>+18</sup>]. **staircase** [MCM06].  
**staircases** [MCM06]. **standardized** [BCN<sup>+17</sup>]. **Standen** [CL06]. **Standing**  
 [KHC<sup>+09</sup>, OT03, SNS<sup>+07</sup>, DEL<sup>+17</sup>, DDB<sup>+97</sup>, HTD00, HAC<sup>+14</sup>, HZT<sup>+06</sup>,  
 LMG93, LBGW97, RBA<sup>+01</sup>, SP00, TZS<sup>+01</sup>, THZ06]. **Stanton** [Ano97b].  
**star** [SN00]. **starvation** [CM01, PSS<sup>+16</sup>]. **starved** [KWH<sup>+05</sup>]. **State**  
 [JBB<sup>+13</sup>, KFA<sup>+20</sup>, PFX<sup>+02</sup>, SFH<sup>+18</sup>, TAB<sup>+02</sup>, VCSM09, WH98, YHL<sup>+12</sup>].  
**State-space** [JBB<sup>+13</sup>]. **states** [DHCV19, FHAH16, HGB<sup>+16</sup>, JFM<sup>+17</sup>,  
 TCH<sup>+16</sup>, VGZ<sup>+19</sup>, VCG<sup>+20</sup>, WYT19, BRB<sup>+13</sup>, SDL22]. **static** [RP05].  
**Station** [CBT01, WLA11, WWC<sup>+99</sup>, BGS98, BB98, DBS98, DOC01,



KWA<sup>+20</sup>, LSST20, LCT<sup>+07a</sup>, MHS01, MCPA02, MC02, PC00, PK03, Pfa93, SBG<sup>+98</sup>, SHR20, TWC<sup>+07</sup>, WTWC07, ZLOR02, AML01, BWD20, BRPH20, CFJL96, CTGD08, Chi96, CMH<sup>+20</sup>, DK96, FNYK02, INTS02, KCD<sup>+96</sup>, KBD<sup>+01</sup>, KNI<sup>+05</sup>, LSST20, LAMS<sup>+01</sup>, LDWK96, LIS<sup>+02</sup>, NKA<sup>+11</sup>, PLT<sup>+13</sup>, PKR<sup>+01</sup>, PDB<sup>+20</sup>, SE95, TNIW02, WCWW99]. **stationary** [CFR<sup>+14</sup>, CWSH20, Hol06, STN<sup>+06</sup>, SVS<sup>+20</sup>]. **Stations** [MPS<sup>+03</sup>, BDM<sup>+03</sup>, BHMK08, CM00, CGG<sup>+19</sup>, KMB11, NKE11]. **statistical** [Ano05e, BU05, HGK<sup>+18</sup>, LM13, SS05a, SS05b]. **Statistically** [Hol06]. **statistics** [SJ00]. **statocysts** [SLD<sup>+13</sup>]. **Status** [LP19, PCY<sup>+13</sup>, CWSH20, CKL03, LKLK17, LSL<sup>+15</sup>, Mar13, SID19]. **Stauromedusae** [LDSV98]. **Steady** [TAB<sup>+02</sup>, BMRTL93, KB99, LS04, LGF03, YHL<sup>+12</sup>]. **Steady-state** [TAB<sup>+02</sup>]. **Stealth** [LLL<sup>+15</sup>]. **Stebbing** [DHST13]. **steelhead** [WWB04]. **steep** [DL04]. **stegocephalid** [BV04]. **Stegocephalidae** [BV04]. **Stegocephalinae** [BV04]. **Steller** [CFGR07, GS06a]. **stenolepis** [Loh08]. **step** [TP02b, TP02a]. **Sterechinus** [DFD<sup>+11</sup>]. **STERNA** [TOP95, TO95]. **Sternaspidae** [KMA<sup>+18</sup>]. **Sternaspis** [KMA<sup>+18</sup>]. **Sternoptychidae** [RBS17a]. **sterols** [Har94]. **stewardship** [HD17]. **sticking** [AHML95]. **stimulated** [NW01]. **stirring** [PS20]. **stn.** [FSL<sup>+01</sup>]. **Stock** [VBM<sup>+19</sup>, AI09, DDB<sup>+97</sup>, HIA<sup>+16</sup>, IHPA16, KT06, LMG93, LBGW97, NA13, OUJ<sup>+19</sup>, RBA<sup>+01</sup>, SNS<sup>+07</sup>, SPW<sup>+22</sup>]. **stock-specific** [SPW<sup>+22</sup>]. **Stocks** [CDS96, CHPS00, DKQ<sup>+93</sup>, CWSH20, DSO<sup>+97</sup>, HTD00, HZT<sup>+06</sup>, KG20, KHC<sup>+09</sup>, MBP09, MCS<sup>+09</sup>, PDC<sup>+21</sup>, SSP<sup>+09</sup>, SP00, TZS<sup>+01</sup>, THZ06, VSV<sup>+97</sup>, WvdE00, WvdEP<sup>+10</sup>, YK05]. **stoichiometric** [HCG<sup>+03</sup>]. **stoichiometry** [KBD<sup>+01</sup>, MHP<sup>+07</sup>, PBNF<sup>+16</sup>, YOI<sup>+09</sup>]. **Stokes** [CJ19, Hen19]. **Stomach** [RWT<sup>+20</sup>, CHV<sup>+15</sup>, DBMI17]. **stomachs** [PM10]. **Stomias** [BBB<sup>+01</sup>, BBB<sup>+01</sup>, DDAH<sup>+14</sup>, DMH19, SCH<sup>+19a</sup>]. **Stone** [BOJ<sup>+10</sup>]. **storage** [CSS<sup>+22a</sup>]. **storm** [KDSR19, RBO07, ZDA<sup>+16</sup>, MFE<sup>+02</sup>]. **storm-induced** [ZDA<sup>+16</sup>]. **storms** [DHGO23, PMLM<sup>+02</sup>, RWG93]. **stormy** [MPV<sup>+11</sup>]. **story** [FRBB13]. **stpichiometry** [HMB<sup>+96</sup>]. **strains** [RHL<sup>+16</sup>]. **Strait** [Blo02, CR06, CLPL<sup>+09</sup>, HZL94, IMP<sup>+02</sup>, KOLA<sup>+18</sup>, KGdC<sup>+18</sup>, MISC<sup>+02</sup>, MMSS14, PIP<sup>+02</sup>, RVJG<sup>+05</sup>, RJGBF02, WWB04, dCHdOF<sup>+18</sup>, ES04, BIP<sup>+02</sup>, BTP<sup>+18</sup>, BMG<sup>+04</sup>, BSKD<sup>+07</sup>, BCDV02, BAF<sup>+18</sup>, BAC<sup>+02</sup>, CHL<sup>+15</sup>, ELB<sup>+02</sup>, ESWL20, Fig02, GCR<sup>+02</sup>, GGLP02, GLSK<sup>+17</sup>, Heb00, JKN<sup>+05</sup>, JC03, KAHS20, LDV<sup>+02</sup>, LHKHH10, MTD<sup>+18</sup>, RVJG<sup>+02</sup>, SCGDL02, SNH<sup>+23</sup>, SH99a, SH99b, SWC<sup>+02</sup>, SZH<sup>+04</sup>, SWO10, SJL05, SABP<sup>+16</sup>, THJ<sup>+05</sup>, WGFS03, WYL<sup>+20</sup>, WWN<sup>+22</sup>, ZGW<sup>+23</sup>, vCHM18]. **Straits** [DÁSCP02, RVZ02, VFS02, DCC<sup>+17</sup>, Gar04, Gre04, Ive04, LS04, Pra04, ÁRR02, DCS<sup>+18</sup>, LAF<sup>+02</sup>, ME02]. **Strategies** [DSC<sup>+19</sup>, KKH<sup>+02</sup>, LBM09, dLWFB08, BC08, BFF<sup>+10</sup>, DEJ08, DLF09a, HCZ<sup>+07</sup>, MFH04, NSLAP<sup>+17</sup>, ROB<sup>+17</sup>, RDdL<sup>+13</sup>, SFPH<sup>+08</sup>, SKH<sup>+10a</sup>, TGU<sup>+06</sup>, TCEW07, Wya14]. **Strategy** [ROBV<sup>+18</sup>, AH17, CW18, PBB<sup>+13</sup>, SS09]. **Stratification**

[CMV<sup>+20</sup>, Ive04, LS12, UKJ<sup>+20</sup>, ZHD<sup>+08</sup>, DKJ<sup>+00</sup>, FPW02, KxF22, LCG03, LL14, PR17, RBS<sup>+17b</sup>, RMK<sup>+14</sup>, SSSC19, SF11, SD96, SF08, WC06a].  
**stratification-enhanced** [RMK<sup>+14</sup>]. **stratified** [dSVC<sup>+14</sup>, BDW<sup>+96</sup>, BMR<sup>+14</sup>, DLG<sup>+14</sup>, HHH<sup>+15</sup>, KFF<sup>+94</sup>, LBR<sup>+08</sup>, LM96, LCR<sup>+96</sup>, NDG96, RBMY14, Rai14, TMH<sup>+08</sup>, TMC04, Uml05, WABW02, ZFA<sup>+02</sup>].  
**Stratigraphic** [MTR<sup>+10</sup>, BLI<sup>+09</sup>, DBD03]. **stratigraphy** [AKI<sup>+16</sup>, FSG02].  
**Stream** [AHN23, DWBP13, JTDG13, LM13, MHB<sup>+23</sup>, PAUB19, RSC07, RYT01, SRY04, ST13, TTFJ13]. **streams** [DME<sup>+18</sup>]. **Strebel** [GWDP11].  
**strenght** [Ano97b]. **strength** [DBN<sup>+11</sup>, LLK<sup>+16</sup>, LWO<sup>+09</sup>, WMS<sup>+96</sup>].  
**strengthening** [SYB<sup>+11</sup>]. **Stress** [BFSK08, AAG19, DDLK06, HS05b, KKSA19, KKD06, LZM<sup>+13</sup>, PHD<sup>+11</sup>, SCL<sup>+04</sup>, SRW<sup>+10</sup>, SSSC19, YPY<sup>+13</sup>, YAOW05]. **stressors** [DW15b, SSP<sup>+09</sup>, WYT19, ZHX<sup>+16</sup>]. **strewn** [Kyt02a]. **Strike** [MCB<sup>+15</sup>, CPW<sup>+18</sup>]. **strike-slip** [CPW<sup>+18</sup>]. **stromatolitic** [ACBV<sup>+18</sup>].  
**Strong** [MHB05, OBKA17, BBB13, MP99, MBG09, OG11, PS19, SVAGRCS04].  
**strongly** [dSVC<sup>+14</sup>, HTW14]. **Structural** [IBK<sup>+11</sup>, SSK<sup>+05</sup>, SSK<sup>+07</sup>].  
**Structure** [CPS05, DAKR20, FMWD07, MKD<sup>+20</sup>, MMJ<sup>+03</sup>, NPF<sup>+09</sup>, SMS01, ST07, SFP<sup>+09</sup>, YWI<sup>+02</sup>, ZV13, ADV<sup>+01</sup>, AVS<sup>+20</sup>, ACBMQ08, BCI02, Bai09, BH14, BPC05, BH19a, BGCH20, BvWR<sup>+20</sup>, BSKD<sup>+07</sup>, BG94, BF14, BTC13, BHHM<sup>+12</sup>, BL01b, BMSBM<sup>+17</sup>, CLC<sup>+98</sup>, CTBNL08, CDM23, COV<sup>+08</sup>, CBW01, CMH09, CGR<sup>+00</sup>, CSGV13, CRBK03, DMS<sup>+10</sup>, DRD06, DGN<sup>+17</sup>, DCA09, DGK10, DDB<sup>+17</sup>, DSO<sup>+00</sup>, DCH04, DCR94, DPY14, DI00, DFK<sup>+06</sup>, DHST13, ENM<sup>+14</sup>, ENM<sup>+16</sup>, EGMB13, EBDL08, EWF<sup>+18</sup>, FJR<sup>+20</sup>, FWP<sup>+07</sup>, Fro04, FB05, GBH<sup>+01</sup>, GRWW01, GSK02, GGH<sup>+00</sup>, GPF16, GPCT23, GdRGH<sup>+14</sup>, GGPM05, GIPLL<sup>+14</sup>, GS06b, GKGW22, HWTP07, HV98, HNK<sup>+12</sup>, HSK<sup>+00</sup>, HFP94, HLL<sup>+09</sup>, HPM02, HWJ20, IBD10, IFFGL<sup>+04</sup>, IHI<sup>+97</sup>, JZ93, JPZ93, KWF<sup>+19</sup>, KBL01, KFG<sup>+03</sup>, KRS<sup>+11</sup>, KFJ<sup>+05</sup>, KAM<sup>+20</sup>, KL03, KMG<sup>+20</sup>, KWW<sup>+12</sup>, KHL<sup>+17</sup>, LMLJ18, LK02].  
**structure** [LS14a, LGML00, LMKL09, LWW<sup>+15</sup>, LHZJ13, LWB<sup>+20</sup>, LTW<sup>+22</sup>, LB14, LLT<sup>+00</sup>, MSH10, MBHN02, MBP<sup>+20</sup>, MWK<sup>+20</sup>, MK21, MC18b, MCH22, MTK<sup>+18</sup>, MAB<sup>+01</sup>, MSJS08, MBC<sup>+09a</sup>, MHVM<sup>+08</sup>, MT96, MBO07, MPTW11, MSBS01, NGS<sup>+15</sup>, NOLASZ04, NKK<sup>+00</sup>, NMC<sup>+07</sup>, NTH10, NDG96, NPA<sup>+22</sup>, OE06, OYM<sup>+13</sup>, OYK15, OKY<sup>+17</sup>, OS02, PF04a, PKW07, PP95, PCJ<sup>+05</sup>, PRA<sup>+95</sup>, PFPJ<sup>+09</sup>, PBO<sup>+11</sup>, PHS03, QED<sup>+14</sup>, Qué13, QRE<sup>+17</sup>, RA98, RPA07, RMB05, RJB<sup>+04</sup>, RAF<sup>+11</sup>, RCCP13, RJGBF02, RGL<sup>+06a</sup>, RWN<sup>+08</sup>, San13, SVR<sup>+00</sup>, SSMM<sup>+08</sup>, SF99, SLMP07, SOS01, SGJ<sup>+20</sup>, SKL<sup>+22</sup>, SGI<sup>+19</sup>, SSI19, SMB<sup>+98</sup>, SE14, SMPSG<sup>+04</sup>, SM20, SCWK08, SBE<sup>+99</sup>, SCSMT20, SKM<sup>+14b</sup>, SPH<sup>+08</sup>, SWMB10, SSAF02, SSI<sup>+09</sup>, SKH10b, TSW<sup>+12</sup>, TBEW99, TZS<sup>+01</sup>, TLYS11, TLR<sup>+00</sup>, TS10, ULTL16, VPdP06, VSR<sup>+00</sup>, WHF<sup>+19</sup>, WMH<sup>+07</sup>, WH98, WGB<sup>+04</sup>, WAV<sup>+12</sup>, WAT12, WvdEM00, WCH<sup>+93</sup>, WGR<sup>+95</sup>]. **structure** [WFW<sup>+17</sup>, WBD17, WABW02, WCK<sup>+18</sup>, WvdE00, WvdEP<sup>+10</sup>, YCD<sup>+06</sup>,

YOO<sup>+10</sup>, YHK15, YJL16, YD09, YNK07, YLH<sup>+10</sup>, ZJH08, ZW23].  
**structure-building** [GIPLL<sup>+14</sup>]. **structure-forming** [LB14]. **Structured**  
 [TFP<sup>+16</sup>, NBCT13]. **Structures**  
 [MDSA19, BWC<sup>+02</sup>, CR06, HCG<sup>+01</sup>, KVPK20, LSST20, LDHO<sup>+14</sup>,  
 LXS<sup>+13</sup>, NRH<sup>+06</sup>, PPM02, RR96, SL94, SLP<sup>+09</sup>, STR<sup>+14</sup>, TR02, TRM<sup>+14</sup>].  
**Structuring**  
 [BHS<sup>+19</sup>, BMH08, CPEN08, DHGO23, Dia04, HBC<sup>+12</sup>, JTK<sup>+14</sup>]. **studied**  
 [HM93, RSF<sup>+99</sup>]. **Studies**  
 [CC00, CPM<sup>+18</sup>, FSK<sup>+05</sup>, MB13, MCB18, PNLF02, PNLFS03, BLSW05,  
 BV98, BDO00, BGH99, BGS<sup>+08</sup>, BM15, BRPI02, CGG<sup>+12</sup>, CGPM13, CSM93,  
 CM01, DGR02, Duc08, EFR<sup>+16</sup>, FGB10, Gol93, GPK02, HWCT11, HRG<sup>+16</sup>,  
 IF95, JCF<sup>+06b</sup>, JASS02, KB99, LBM10, LLB<sup>+00</sup>, MFG<sup>+93</sup>, MSvL17, ML04,  
 MC13, MLD97, PNLFS02, PP93, RGW04, RP18, RPF<sup>+16</sup>, RGL06b,  
 SBKS03, SWDB<sup>+14</sup>, TYBY06, VPA<sup>+20</sup>, Web19, WBBM01, WDG<sup>+02</sup>].  
**Study** [Ano96g, BMK96, BQT08, BHJ99, DFF02, DGN96, GOP<sup>+01</sup>, MHS01,  
 SCB<sup>+01</sup>, SMB03, TWN<sup>+06</sup>, UWTS09, WWH<sup>+10</sup>, WCH<sup>+93</sup>, WKM<sup>+07b</sup>,  
 WKM<sup>+07c</sup>, ABE<sup>+11</sup>, AGPR95, ANL13, AE02, Ano97b, AAL<sup>+17</sup>, BKM07,  
 BCN<sup>+16</sup>, BMG<sup>+04</sup>, BvWR<sup>+20</sup>, BS21, BGDT11, BTS<sup>+08</sup>, BRPH20,  
 CAH<sup>+09</sup>, CHPF10, CBF01, CWWB04, DWG<sup>+15</sup>, DD95, DRR<sup>+14</sup>, DZL<sup>+17</sup>,  
 DK04, DKS11, DGT17b, EB01, EEAC<sup>+20</sup>, EO02, EOB03, FDR<sup>+18</sup>, FC01,  
 Gai97, GWL<sup>+15</sup>, GGH98, GGH<sup>+00</sup>, GG95, GOC09, Har06, HH03, HS93,  
 HBCC13, HZYZ10, HAM<sup>+15</sup>, JTW00, JSM<sup>+16</sup>, JCD<sup>+03</sup>, JBS<sup>+13</sup>, JMM<sup>+13</sup>,  
 KM96, KFH01, KMA<sup>+18</sup>, LTG<sup>+09</sup>, LLR<sup>+06</sup>, LML<sup>+01</sup>, LT16, LVP15,  
 LMG93, LSGM02, LCL<sup>+10</sup>, LTL<sup>+23</sup>, LPS14, LSS<sup>+07</sup>, MGT<sup>+20</sup>, MLP<sup>+10</sup>,  
 MZH<sup>+10</sup>, MCB<sup>+15</sup>, MGMP02, MPS<sup>+21</sup>, MES<sup>+23</sup>, MGH<sup>+16</sup>, MKD<sup>+20</sup>,  
 MTD<sup>+18</sup>, MW05b, MS18, MARFP08, MQACB08, MSG<sup>+00</sup>, MMG98,  
 NEO<sup>+07</sup>, NYNK05, NSH<sup>+10</sup>, NC97, NMK<sup>+20</sup>]. **study**  
 [NKB<sup>+18</sup>, OLG<sup>+01</sup>, PLS<sup>+10</sup>, PLRV22, PS23, PTS01, PRJW05, PAUB19,  
 ROB<sup>+17</sup>, Rai14, RAC<sup>+20</sup>, RAS23, RKB18, RMC<sup>+93</sup>, RDG<sup>+95</sup>, RBXM15,  
 RNP93, SCCG09, SH99a, SH99b, SBS<sup>+00</sup>, SBHS20, SK02, SHM<sup>+20</sup>, SHR20,  
 SBA<sup>+20</sup>, SGM<sup>+02</sup>, SMG<sup>+07</sup>, SAM<sup>+12</sup>, TSZ10, TSZT13, TOF04, TLW<sup>+94</sup>,  
 TPS<sup>+15</sup>, TTA<sup>+16</sup>, TO95, TOP95, VBF<sup>+02</sup>, WKM<sup>+07a</sup>, WZZ<sup>+23</sup>, WZW<sup>+95</sup>,  
 WMS<sup>+96</sup>, WBBM01, WBML06, WAL<sup>+11</sup>, WLD<sup>+06</sup>, WCS07, WWW<sup>+02</sup>,  
 Won15, WTSP07, WPFB11, ZDWR95, ZJH08, Zim19, ZG15, AS01b, DD06,  
 LMB<sup>+98</sup>, MK96, MCG<sup>+98</sup>, MJG95, SBCH02, SMBM99, SAM<sup>+00</sup>]. **studying**  
 [GMB13, KBE<sup>+04</sup>, NB10, TT17]. **Sub**  
 [AKBD13, CEG<sup>+11</sup>, CMG<sup>+11</sup>, ETDB11, EFR<sup>+19</sup>, FLTV97, HD07,  
 PHS<sup>+11b</sup>, PHD<sup>+11</sup>, RPA07, SLB13b, WGWW11, dSEDW11, ASH<sup>+11</sup>,  
 BK99, FVSR14, HB03, HAH<sup>+01</sup>, HAM<sup>+15</sup>, INTS02, KMM<sup>+08</sup>, LBR<sup>+11</sup>,  
 LCS<sup>+06</sup>, LSS<sup>+11</sup>, LGBC06, PDT<sup>+11b</sup>, PLL<sup>+06</sup>, PBB<sup>+13</sup>, SCPC98, WBO07,  
 Ano09a, BG09b, DPS<sup>+11</sup>, HRM<sup>+11</sup>, KMB11, MMC11b]. **Sub-Antarctic**  
 [CEG<sup>+11</sup>, CMG<sup>+11</sup>, ETDB11, PHS<sup>+11b</sup>, PHD<sup>+11</sup>, WGWW11, dSEDW11,  
 ASH<sup>+11</sup>, LBR<sup>+11</sup>, LSS<sup>+11</sup>, LGBC06, PDT<sup>+11b</sup>, DPS<sup>+11</sup>, HRM<sup>+11</sup>, KMB11].  
**Sub-Arctic** [HD07, INTS02, LCS<sup>+06</sup>, PLL<sup>+06</sup>, WBO07]. **Sub-basin**

[EFR<sup>+</sup>19]. **sub-bottom** [HB03]. **sub-euphotic** [SCPC98]. **sub-ice** [KMM<sup>+</sup>08]. **Sub-mesoscale** [RPA07, BK99]. **Sub-Polar** [SLB13b, PBB<sup>+</sup>13]. **Sub-surface** [FLTV97, FVSRR14]. **Sub-Tropical** [AKBD13, HAH<sup>+</sup>01, HAM<sup>+</sup>15]. **subambulacral** [Mah16]. **Subantarctic** [BSG<sup>+</sup>02, Had11, LPFS97, LQF<sup>+</sup>02, SBQ<sup>+</sup>02, TB97, WS11, BNM<sup>+</sup>07, BTD11, BGDT11, GFPM02, JLTD11, OA11, DSJ<sup>+</sup>11, JDD<sup>+</sup>11, RPA07, RGHN<sup>+</sup>97]. **Subarctic** [AHR<sup>+</sup>06, ANI09, BCS99, IYM10, NMH<sup>+</sup>06, SMH<sup>+</sup>06, TWN<sup>+</sup>06, UWTS09, AKH<sup>+</sup>02, BE18, BML<sup>+</sup>06, BHJ99, BGH99, BH99b, CMB99, CRM<sup>+</sup>16, CRI18, DP99, DP02, DVPR06, EBB<sup>+</sup>08, GML99, GBP21, HRM<sup>+</sup>06, HOD<sup>+</sup>09, Har06, HTS<sup>+</sup>09, ITT12, KSH<sup>+</sup>09, KOS<sup>+</sup>16, KYI10a, KTSI07, KSU<sup>+</sup>08, KNI<sup>+</sup>05, KNN<sup>+</sup>06, KKNH02, LIS<sup>+</sup>02, LLK<sup>+</sup>09, LSC02, MBHP99, MP99, MSK<sup>+</sup>06, MJW<sup>+</sup>06, MSJ<sup>+</sup>06, MSS<sup>+</sup>02, MHM<sup>+</sup>14, NHS<sup>+</sup>09, NTK<sup>+</sup>09, OTNT05, OT12, RPAD99, STK02, STN<sup>+</sup>06, STN<sup>+</sup>09, SiSA<sup>+</sup>02, SD06a, STF09, SBSH99, SIS<sup>+</sup>02, SSE<sup>+</sup>14, SIFS10, SCWK08, SBA18, SKF<sup>+</sup>10, SMLS02, SSI<sup>+</sup>09, TYBY06, TT05, TRWB99, TSMS09, TNIW02, TTA<sup>+</sup>16, VH99, VCRDF99, VS99, WTCB09, WCH05, WSB08, WWC<sup>+</sup>99, WM99, WC02, WWW<sup>+</sup>02, WC06b, WCWW99, YK16, YOI<sup>+</sup>09, ZJH08]. **Subarctic-Pacific** [IYM10]. **subclass** [CB18]. **subducted** [KQ02]. **subduction** [KM05b]. **subduction/formation/transformation** [KM05b]. **subject** [SAG<sup>+</sup>10]. **sublittoral** [SW09]. **Submarine** [HAC<sup>+</sup>14, LSA14, MM14, WGW<sup>+</sup>19, BEZ<sup>+</sup>22, CPA<sup>+</sup>11, DHS<sup>+</sup>14, DVS<sup>+</sup>14, DLKP14, FPB<sup>+</sup>14, GPC18, Har11, HBCG14, HRS<sup>+</sup>23, HD14, KCM<sup>+</sup>14, KBI<sup>+</sup>11, KSB<sup>+</sup>03, MKKB14, MG22, MPV<sup>+</sup>11, MPPR14, MT11, MWK<sup>+</sup>18, MTMH11, MMSS14, OBC<sup>+</sup>14, RGS<sup>+</sup>15, RKM<sup>+</sup>23b, SBDB09, SGB14, SKS<sup>+</sup>23, Thu06, VKC09, VD98, dSJB<sup>+</sup>11, vdBGM<sup>+</sup>17]. **submerged** [ÇYB<sup>+</sup>18, GSB<sup>+</sup>03, NHD11]. **submersible** [KFS<sup>+</sup>17]. **submersibles** [Sag18]. **Submesoscale** [HZW<sup>+</sup>23, WDD<sup>+</sup>22, WCL22, NBCT13, PS19, SD22, WSM<sup>+</sup>22, WPD22]. **suboxic** [GLK<sup>+</sup>06a, GLK<sup>+</sup>06b, MASVB<sup>+</sup>19, OE06]. **subpinnata** [dMGPT<sup>+</sup>14]. **Subpolar** [LGB13, BLG11, BHAL13, RKHK<sup>+</sup>11]. **subsea** [LAPL<sup>+</sup>16]. **subseafloor** [SB98]. **subsequent** [CHN<sup>+</sup>10, LVJC17, MAH<sup>+</sup>12]. **subsistence** [FBB<sup>+</sup>13, RH14]. **substances** [Ano99a]. **Substantial** [WAK<sup>+</sup>12]. **substrata** [PPFS17]. **substrate** [RN96]. **Subsurface** [SRF09b, SSG<sup>+</sup>11, BGS<sup>+</sup>08, BLP<sup>+</sup>15, HVBO08, JB01, JEK<sup>+</sup>15, MZD<sup>+</sup>11, MSRM08, NSKG96, NM18, RBMY02, RS02, SYT<sup>+</sup>10, ULTL16, XWZ24]. **subthermocline** [FKH05, WPD22]. **Subtidal** [NR00, GGP<sup>+</sup>14, HSHM02]. **Subtropical** [BMP<sup>+</sup>09, BHAL13, HMH<sup>+</sup>02, JPM99, KBL01, KD13, LKL<sup>+</sup>13, MSC04, MFE<sup>+</sup>02, NGS<sup>+</sup>15, AMJRD19, AKBD13, Ang10, ARF<sup>+</sup>13, AL13, Bat01, BGWF08, BGKB06, BLS<sup>+</sup>08, CTGD08, CM99a, CSH<sup>+</sup>13, CHSVB<sup>+</sup>19, DSN<sup>+</sup>20, DCK01, DKJ13, EHL02, FSL<sup>+</sup>01, FKH13, GPCT23, GGTMG<sup>+</sup>10, GGRJD<sup>+</sup>10, GWWL03, HLG<sup>+</sup>21, HK01, JZ93, KQ02, KKNH02, LBR<sup>+</sup>08, LDS<sup>+</sup>08, LSGM02, LGB13, MFPL19, MDM<sup>+</sup>13, MV19, MWF<sup>+</sup>19, MHM<sup>+</sup>14, NRBO<sup>+</sup>05, OBWK01, PPRHLF02, PW12, RJM<sup>+</sup>15, RR10, SGA<sup>+</sup>15,

SRHP23, SSMC10, SCWK08, SMM<sup>+</sup>06, WSB08, ZJH08, GSW<sup>+</sup>09, TPS<sup>+</sup>15].  
**subtropical/tropical** [SSMC10]. **success**  
 [BHB<sup>+</sup>07, HH03, HNB<sup>+</sup>13, MCBC08, RDBP14, SBL<sup>+</sup>18]. **succession**  
 [LDFS93, MTB09, MLK<sup>+</sup>12]. **sugars** [KMD<sup>+</sup>01]. **suggest**  
 [BFSK08, CFK15]. **suggests** [YK16]. **Suginohara** [YFY<sup>+</sup>10]. **suitability**  
 [DW15b, EWF<sup>+</sup>18, PSZ<sup>+</sup>19, RDW<sup>+</sup>22, WTA<sup>+</sup>18]. **suitable**  
 [CV17, PRORSV<sup>+</sup>19]. **Sula** [GMD07]. **Sulawesi** [CSS<sup>+</sup>10, WYIT13].  
**Sulfate** [PTD<sup>+</sup>17, TCG<sup>+</sup>18, BSS<sup>+</sup>00, RDV<sup>+</sup>09]. **Sulfate-** [PTD<sup>+</sup>17].  
**Sulfate-dependent** [TCG<sup>+</sup>18]. **sulfate-reducing** [RDV<sup>+</sup>09]. **sulfide**  
 [CWdE99, DZL<sup>+</sup>17, ODP<sup>+</sup>17, TLF97]. **sulfide-rich** [DZL<sup>+</sup>17, ODP<sup>+</sup>17].  
**sulfidic** [LZM<sup>+</sup>13]. **sulfur** [BSS<sup>+</sup>00, TBC<sup>+</sup>17, TSP<sup>+</sup>18, ZHD<sup>+</sup>08].  
**sulfur-oxidizing** [TSP<sup>+</sup>18]. **sulphide** [AGN<sup>+</sup>02, BAR<sup>+</sup>02, TNBL95].  
**Sulphur** [LWLS98, HTML99, HML99, LSS<sup>+</sup>09, PLdL97, TTD13].  
**sulphur-rich** [TTD13]. **Sulu** [GKH<sup>+</sup>07, KTF07, MNN10, NG07, NMC<sup>+</sup>07,  
 NEN<sup>+</sup>07, ODH<sup>+</sup>07, OOG<sup>+</sup>07, SNS<sup>+</sup>07, SNK07, TRM<sup>+</sup>07, WYIT13, YNK07].  
**Summary**  
 [KTB<sup>+</sup>05, BL01a, BEG07, EMEP18, SDB<sup>+</sup>97, SBvdL<sup>+</sup>02, WHLR13].  
**Summer** [BOKA16, DBL<sup>+</sup>05, FLTCV10, LKD<sup>+</sup>15, LPZ<sup>+</sup>04, PSHF<sup>+</sup>13,  
 RBS<sup>+</sup>17b, SMV<sup>+</sup>03, WvdEM00, ASMH08, AHGCNM<sup>+</sup>04, ATJ05, ÁRR02,  
 AAMF<sup>+</sup>02, AGN<sup>+</sup>02, ACBMQ08, AGP05, BSM01a, BMCF97, BLO04,  
 BTR95, BCH<sup>+</sup>11, BCDV02, BGDT11, BLO<sup>+</sup>17, BND<sup>+</sup>04, BL01b, CRDP02,  
 CSGC03a, CSW<sup>+</sup>17, CMG<sup>+</sup>12, CPEN08, DSB<sup>+</sup>18, DEL<sup>+</sup>17, DPS<sup>+</sup>14,  
 DSO<sup>+</sup>97, DKN<sup>+</sup>97, DSN<sup>+</sup>20, DO01, DKGT04, DSvR<sup>+</sup>18, DLB02, ETDB11,  
 EGL<sup>+</sup>16, FLTV04, FLM10, FWP<sup>+</sup>07, FWC<sup>+</sup>12, Fig02, Fro04, FPB04,  
 FAMY20, FHYI03, GMK<sup>+</sup>08, GCR<sup>+</sup>02, GTTKB14, GdRGH<sup>+</sup>14, GGLP02,  
 GP16, GCB04, HZL<sup>+</sup>12, HHW<sup>+</sup>08, HKN<sup>+</sup>04, HCS05, HKP10, HSK<sup>+</sup>00,  
 ITMG18, JD08, KNV<sup>+</sup>10, KFF<sup>+</sup>94, KYKJ16, LHM14a, LLH<sup>+</sup>15, LAF<sup>+</sup>02,  
 MKKB14, MGR<sup>+</sup>03a, MMY<sup>+</sup>20, MWK<sup>+</sup>20, McP08, MLG<sup>+</sup>02, MAB<sup>+</sup>01,  
 MiSW08, NSH<sup>+</sup>10, NMK<sup>+</sup>20, NKK<sup>+</sup>00, NTH10, NYH<sup>+</sup>20, OACA19,  
 OSCS00, PF02, PF04a, PF04b, PSA14, PSUH<sup>+</sup>16, PDA<sup>+</sup>20, PMS<sup>+</sup>20].  
**summer** [PNH<sup>+</sup>00, PAVGBG02, PTD<sup>+</sup>14, PE17, PWJF20, PFW<sup>+</sup>20,  
 PCAS05, PRB<sup>+</sup>11, RAC<sup>+</sup>20, RVJG<sup>+</sup>02, RVJG<sup>+</sup>05, RW95, SLC<sup>+</sup>20,  
 SCM<sup>+</sup>02, SRS<sup>+</sup>20, SMB<sup>+</sup>93, SMZ<sup>+</sup>08, SVJRSON04, SMS<sup>+</sup>07, SMS01,  
 SLMP07, SDL22, SMP<sup>+</sup>15, SET<sup>+</sup>09, SMB<sup>+</sup>17, SZV<sup>+</sup>19, SWH08, SWSL14,  
 SWG14, SAM<sup>+</sup>12, SBS<sup>+</sup>02, SLP<sup>+</sup>17, SFP<sup>+</sup>09, SKMS08, SMLS02, SHKW05,  
 TCG00, TWD<sup>+</sup>08, TFR<sup>+</sup>10, TLK<sup>+</sup>02, TPS<sup>+</sup>15, UKJ<sup>+</sup>20, VGBGPA02,  
 VFS02, VMI<sup>+</sup>08, VKM<sup>+</sup>10, WL20, WFW<sup>+</sup>17, XZM<sup>+</sup>23, YMC<sup>+</sup>22, YWW23,  
 YCA<sup>+</sup>20, YZZ<sup>+</sup>16, YKJ<sup>+</sup>15, ZSZ<sup>+</sup>19, ZG15, dBC<sup>+</sup>09, dCHdOF<sup>+</sup>18,  
 dSSB<sup>+</sup>01, vdLBB<sup>+</sup>02, HBK<sup>+</sup>98, PMM<sup>+</sup>16]. **summer-time** [NSH<sup>+</sup>10, RW95].  
**summer/early** [EGL<sup>+</sup>16]. **summers** [KIM08, OYM<sup>+</sup>13]. **Summertime**  
 [FHP94, GP15, PLS<sup>+</sup>10, WNRM08, ECS<sup>+</sup>17, GVW<sup>+</sup>19, VSGM03a,  
 VSGM03b]. **summit** [CMH09]. **sunfish** [CLC<sup>+</sup>20]. **sunken** [NMS09].  
**superba** [BLBW<sup>+</sup>11, BKCV10, CHPF10, CWD<sup>+</sup>10, CKL03, Dal04, HH03,  
 JKK<sup>+</sup>10, JH04, KKM<sup>+</sup>10, NKK<sup>+</sup>00, NCR<sup>+</sup>08, PAM<sup>+</sup>04, PNH<sup>+</sup>00, RQNO04,

VMF<sup>+16</sup>, ZD04]. **superfluous** [SAVP12]. **supergiant** [JLL<sup>+13</sup>].  
**supersaturation** [SE96]. **supplementary** [CVA<sup>+13</sup>]. **supplies** [MMC11b].  
**Supply** [HLM<sup>+01</sup>, AAG02, BHC<sup>+01</sup>, CM00, DBS98, FBBW<sup>+10</sup>, FGH<sup>+13a</sup>,  
HHH<sup>+14</sup>, HTA<sup>+17</sup>, HLNO96, LK98, LML<sup>+01</sup>, MLP<sup>+10</sup>, MGG<sup>+17</sup>, SS09,  
TWG00, WLM23, Wit00]. **Support**  
[ZDP<sup>+16</sup>, DKC<sup>+17</sup>, DJCF09, MES<sup>+23</sup>, MXC15]. **supporting** [KUT<sup>+20</sup>].  
**Suppression** [YK04, ASH<sup>+11</sup>]. **suprabenthic** [AFC<sup>+17</sup>, FS14, SE14].  
**SURF** [TFP<sup>+16</sup>]. **Surface**  
[BTR95, CWS<sup>+23</sup>, CIMT19, DIM<sup>+12</sup>, DDL06, DTR<sup>+09</sup>, Grü99, HRT14, HS98,  
LNDH<sup>+17</sup>, MDI<sup>+12</sup>, MDM<sup>+13</sup>, MSB96, RS02, RTI<sup>+16</sup>, SMY<sup>+98</sup>, SGGW11,  
SWLW11, WNA<sup>+10</sup>, YK16, YCYTKB06, AVA23, ATD<sup>+11</sup>, ATJ05, ACV<sup>+01</sup>,  
AGHS04, ATS<sup>+96</sup>, ACQ<sup>+08</sup>, ATN<sup>+12</sup>, ALT<sup>+13</sup>, BSG<sup>+11</sup>, BMS<sup>+18</sup>, BDB97,  
BAS00, BLO04, BCM02, BMML06, BHMK08, BD02, BSM01b, BTRL99,  
BFH<sup>+23</sup>, BSS<sup>+00</sup>, BGS<sup>+08</sup>, BW99b, BVB<sup>+14b</sup>, BL01b, BLG15, BBB13,  
CHW<sup>+12</sup>, CV17, CHM<sup>+17</sup>, CC15, CSW<sup>+18</sup>, CFT<sup>+04</sup>, CKY23a, CKY23b,  
CKS05, CFL<sup>+16</sup>, CG18, CWdE99, Dan95, DBG<sup>+16</sup>, Di 03, Dia04, DL01,  
Eif05, ECM<sup>+06</sup>, EHK<sup>+20</sup>, FVSRR14, FLTV97, FvFC<sup>+11</sup>, FCA04, FCAD04,  
FKW01, GLCP12, GMCR18, GGM<sup>+16</sup>, GRSW00, GMPS04, HSS<sup>+12</sup>,  
HLL<sup>+10</sup>, HHH01, HZK<sup>+05</sup>, HA03, HAP03, HH05, HHKH<sup>+04</sup>, HZ19, HZZ10,  
HF21, HAD19, Ike03, JW05a, JW05b, JAP<sup>+13</sup>, KKMSM12, KOM17, KAI21].  
**surface** [KL06, KT05, KR95, KSH12, KMM<sup>+08</sup>, KSU<sup>+06</sup>, KFTE14, KIS02,  
KS10, Kos01, KFW01, KLM13, LMM<sup>+17</sup>, LPK<sup>+17</sup>, LN05, aLCS15, LZC<sup>+16</sup>,  
LB96, LGVK<sup>+14</sup>, LLG<sup>+16</sup>, LMF<sup>+21</sup>, MPMD<sup>+06</sup>, MZD<sup>+11</sup>, MvSHD01,  
MB01, MCS07, MKRY01, MV99, MFN<sup>+02</sup>, MLR07, Met09, MC12, MGR03b,  
MS12, MDGF01, MZR<sup>+95</sup>, MLS<sup>+15</sup>, NYNK05, NGS<sup>+20</sup>, NLHB01, NFD<sup>+02</sup>,  
NWZL23, NDD<sup>+14</sup>, OM14, OMS06, OHK<sup>+02</sup>, OPV11, OBA02, PCT18,  
Pal04, PS20, Pin93, PTA<sup>+99</sup>, PJ99, PDG<sup>+03</sup>, PdBK<sup>+03</sup>, RMB05, Ric05,  
RWL<sup>+93</sup>, RFLW00, RBB<sup>+97</sup>, RBCG10, SA14, SCL<sup>+04</sup>, SMB<sup>+93</sup>, SYT<sup>+10</sup>,  
SA18, SE96, SWB<sup>+09</sup>, SRW<sup>+10</sup>, SLP<sup>+09</sup>, SDL22, SHWW22, SGW<sup>+15</sup>,  
SNB02, SPEPS18, SK02, SBN<sup>+15</sup>, SMS03, SBR<sup>+97</sup>, SABP<sup>+16</sup>, SMPSD04,  
SBH<sup>+02</sup>, SMH<sup>+11</sup>, SBB<sup>+05</sup>, SJ00, SB05, SFZ<sup>+13</sup>, SJSI00, TSS<sup>+02</sup>, TSW<sup>+09</sup>,  
Tho97, TS03, TSB<sup>+14</sup>, TNIW02, TCH<sup>+16</sup>, TTL<sup>+16</sup>]. **surface**  
[VLK06, VPA<sup>+09</sup>, VMGO<sup>+09</sup>, VNBW18, VPS97, VTD<sup>+20</sup>, VM01,  
WDFK<sup>+22</sup>, WFA<sup>+95</sup>, WCL<sup>+15a</sup>, WDMEL01, XAY<sup>+11</sup>, YKS<sup>+19</sup>, YAS<sup>+93</sup>,  
ZHD<sup>+08</sup>, ZWC<sup>+15</sup>, ZLZ<sup>+15</sup>, ŽSN<sup>+18</sup>, Zon97, dLC<sup>+14</sup>, vdLCS<sup>+11</sup>, DKdS<sup>+03</sup>].  
**surface-active** [MZR<sup>+95</sup>]. **surface-dwelling** [BMS<sup>+18</sup>, JAP<sup>+13</sup>].  
**Surface-ocean** [DTR<sup>+09</sup>]. **surface-water** [OHK<sup>+02</sup>]. **surfaces**  
[BCWT00, BGCH20, JS14, KC03]. **surfacing** [EPHE18]. **surfactants**  
[PPS<sup>+16</sup>]. **surfclams** [BCL14]. **surficial**  
[BN05, CML<sup>+09</sup>, KLL03, RGTV97, WHL<sup>+97</sup>]. **surrogates** [ANS<sup>+11</sup>].  
**surrounding** [CBG02, CSM<sup>+13a</sup>, SHH03, TD16, WCL<sup>+15a</sup>, YHC<sup>+11</sup>].  
**Survey**  
[MWFS17, AA15, BSS<sup>+17</sup>, BVL04, BND<sup>+04</sup>, CHU<sup>+00</sup>, CGG<sup>+19</sup>, CLB13,  
CMC<sup>+02</sup>, CM99b, DTWW17, DTWW21, DCS<sup>+18</sup>, Dem04, DT03, DSW20,

ESL<sup>+</sup>10, GR10, GG02, HWS<sup>+</sup>98a, JSWB21, LCH<sup>+</sup>09, LSF<sup>+</sup>01, MWB95, NPBS00, NMR10, NA09, PDB<sup>+</sup>16, RDW<sup>+</sup>12, TMP<sup>+</sup>19, WGB<sup>+</sup>04, WHNS04, WGMW10, WGWW11, WRBS10, WvdE00, JR04, KGE<sup>+</sup>04, WHNS04]. **surveys** [CSCP13, DO19, DDB<sup>+</sup>17, LPK<sup>+</sup>17, MRE<sup>+</sup>11, MSM10, PLD<sup>+</sup>17, PDA<sup>+</sup>17, PLA<sup>+</sup>17, PMJ20, PBD<sup>+</sup>02, SBS<sup>+</sup>08]. **Survival** [ŽSN<sup>+</sup>18, CSS<sup>+</sup>22b, LWO<sup>+</sup>09, TBH09, VCM<sup>+</sup>14, VM13, WWB04]. **survive** [LLW01]. **susceptibility** [AKZL16]. **Suspended** [FA02, HFD<sup>+</sup>23, Kaw02, KTP05a, RLP<sup>+</sup>98, ABG<sup>+</sup>20, BBDL98, CFL<sup>+</sup>99, ÇYFB<sup>+</sup>06, ÇYAYT06, CBS<sup>+</sup>01, DKN<sup>+</sup>97, DJS<sup>+</sup>08, FCP99, HD02, KVB<sup>+</sup>09, LKH<sup>+</sup>07, RHB<sup>+</sup>95, SFG98, WBM96, dMCNC99]. **suspension** [GAP<sup>+</sup>06]. **sustainability** [Bro19]. **Sustainable** [ZQW19, SPDW19]. **Sustained** [MMS<sup>+</sup>16, JR15, LBM10, LBJ<sup>+</sup>13, MDS<sup>+</sup>16]. **Sustaining** [MSMS08, OGBF08, TAL<sup>+</sup>12]. **Svalbard** [BSSK<sup>+</sup>08, HP08, SFPH<sup>+</sup>08]. **SVP** [BTRL99]. **SW** [DLHH11, DC00, GNT<sup>+</sup>17, HCBL<sup>+</sup>17, JLL<sup>+</sup>13, LMLJ18, CJA<sup>+</sup>06, CAFK03b, EBS99, FLTV97, HNRGL06, NRSL17, PJ99, RIHGS00, SRAL<sup>+</sup>17, SBE<sup>+</sup>99, TBEW99, vC97]. **Swallow** [Gou05]. **swarms** [CWD<sup>+</sup>10, WH98]. **Swatch** [KSB<sup>+</sup>03, MSB<sup>+</sup>03]. **SWEDARP** [TBFP04]. **Sweden** [OM02]. **Swimming** [HCZ<sup>+</sup>07, CB00a, RG06a, VAM97]. **swordfish** [EEAC<sup>+</sup>20, LPK<sup>+</sup>17, SAA<sup>+</sup>17]. **Sycamore** [WCK<sup>+</sup>18]. **symbiont** [OCG<sup>+</sup>09]. **Symmetric** [TTFJ13, DJFK<sup>+</sup>22, LHX<sup>+</sup>22]. **Sympagic** [KBF<sup>+</sup>08, KSM<sup>+</sup>11, TRH<sup>+</sup>08]. **sympatric** [FJF<sup>+</sup>11]. **Symphurus** [TTD13]. **Symposium** [Ano06b, Ano07b, Ano07c, HD07, PTP09]. **synchronies** [DSC<sup>+</sup>19]. **Synchronization** [TLP<sup>+</sup>19]. **Synchronous** [GSPT13, OCT<sup>+</sup>19]. **syndepositional** [WKM<sup>+</sup>07a]. **Synechococcus** [BLOM93, CLC<sup>+</sup>03, LCL<sup>+</sup>98, Uys06]. **synergy** [SHB14]. **Synoptic** [FB05, JKN<sup>+</sup>05, BES11, CMR<sup>+</sup>18, DHM<sup>+</sup>22, DT03, LCH<sup>+</sup>09, PPRL02, RG93, WCL<sup>+</sup>15a]. **synopticity** [MLW<sup>+</sup>01]. **Synthesis** [Ano06d, Ano07d, DKSF01, MBT<sup>+</sup>14, MSV18, CLQ<sup>+</sup>18, DCA<sup>+</sup>98, DD06, DGS<sup>+</sup>05, EDF<sup>+</sup>04, GBSL98, HWCT11, HRG<sup>+</sup>16, KD01, LSF<sup>+</sup>01, LFM02, LPSS03, MC13, ÖHÜ<sup>+</sup>93, PHS<sup>+</sup>11a, PDB<sup>+</sup>20, RSA<sup>+</sup>10, SMD06, SD08, WAV<sup>+</sup>12]. **Synthesising** [MBG18]. **Synthesizing** [OAH<sup>+</sup>16, SPW<sup>+</sup>22]. **synthetic** [NGF09]. **synthetic-based** [NGF09]. **SyPRID** [BKY<sup>+</sup>17]. **Syracuse** [RBCG10]. **Syringamina** [VWTK18]. **SYSTCO** [GJ11, MLBB14, NKE11]. **System** [CC00, GBDM<sup>+</sup>14, LPS14, MM97, SGPD<sup>+</sup>14, ZDP<sup>+</sup>16, AYMSAS19, AJ95, AGS<sup>+</sup>02, AGAB19, BN97, BKY<sup>+</sup>17, BG94, BFF<sup>+</sup>10, BRPI02, CCG04, CDP<sup>+</sup>02, CLF<sup>+</sup>09, CFZ<sup>+</sup>18, CSW<sup>+</sup>18, CCW<sup>+</sup>08, CWL<sup>+</sup>23, CMW<sup>+</sup>05, CBB<sup>+</sup>95, CPC<sup>+</sup>03, CW18, DLF<sup>+</sup>09b, DBC<sup>+</sup>02, EFR<sup>+</sup>19, EDF<sup>+</sup>04, EHK09, FMFW07, FKS18, FCA04, GPÇ18, Gau07, GBP00, HWP<sup>+</sup>11, HMLS<sup>+</sup>06, HEV<sup>+</sup>10, HTT15, KOLA<sup>+</sup>18, KGdC<sup>+</sup>18, KHGL<sup>+</sup>02, KHL<sup>+</sup>01, KWH<sup>+</sup>05, LLL<sup>+</sup>15, LBM<sup>+</sup>17, LAGK<sup>+</sup>18, LMF<sup>+</sup>21, LPPK14, MWS<sup>+</sup>15, MFPL19, MLW<sup>+</sup>01, MTWC<sup>+</sup>15, dJMTGG11, MDS<sup>+</sup>16, MNB02, MDO<sup>+</sup>98, MYL<sup>+</sup>98, ML04, MMSS14, MKS<sup>+</sup>02, NS93, NHS<sup>+</sup>13, OC00, QC10, RAS23, SHF<sup>+</sup>95, SCGDL02, SCGDU09, SSHB03, SHM<sup>+</sup>07, Sot09, SPH<sup>+</sup>08, THJ<sup>+</sup>17, TTDR13, TWC<sup>+</sup>07, TNIW02,

VSGGPR14, VBF<sup>+02</sup>, VD98, WCK<sup>+18</sup>, ZSIW21, ZX12, ZHY<sup>+13</sup>, Ant10, BPS00, BPC05, BV98, BKM07, BCW03, BL03, CMRI13, Di 03]. **System** [DMW<sup>+07</sup>, EPPR09, FEB<sup>+13</sup>, GGAMV<sup>+23</sup>, GMCR18, GQ09, HV03, JR15, MHG<sup>+04</sup>, MPI07, PO15, QLU09, Reb03, SRF09b, SJ00, TAB<sup>+05</sup>]. **Systematics** [PPC<sup>+07</sup>]. **Systems** [HM14, Ano05d, BH14, BMR<sup>+14</sup>, BLD<sup>+06</sup>, BEB<sup>+13</sup>, BL06, CK03, CL15, DB02, HHH<sup>+22</sup>, KC03, LLM<sup>+17</sup>, MS18, NCSO13, OCT<sup>+19</sup>, PNS<sup>+09</sup>, RBMY14, Rai14, SL15b, SBL<sup>+18</sup>].

**T** [Ano97b, DI00]. **tabular** [MM15, SL11]. **tactics** [CRJ<sup>+08</sup>]. **tag** [BTL98, PWL07]. **tagged** [RAT<sup>+13</sup>]. **tagging** [MRE<sup>+11</sup>]. **tags** [CFK15, HBM<sup>+07</sup>, MML07]. **tailed** [HBJ02, PWB<sup>+06</sup>, SSB<sup>+06</sup>]. **tailings** [RSS01]. **taint** [DKP<sup>+14</sup>]. **Taiwan** [CLC<sup>+20</sup>, CHL<sup>+15</sup>, CCM<sup>+20</sup>, JC03, JLK03, LTY<sup>+03</sup>, LPSS03, SZH<sup>+04</sup>, TS03, WCL<sup>+15a</sup>, WYL<sup>+20</sup>, ZGW<sup>+23</sup>]. **Taiwanese** [MWT<sup>+17</sup>]. **Takahashi** [MTD<sup>+09</sup>]. **taken** [BG10]. **takes** [Col16]. **Tales** [SK07]. **tamarensis** [BKS<sup>+10</sup>, TFR<sup>+10</sup>]. **Tampa** [CLW<sup>+23</sup>, CWL<sup>+23</sup>, NWZL23]. **Tanaidacean** [BPPJ15, BPKJ15]. **Tanaidaceans** [BPBJ13]. **Tanaididae** [BPKJ15]. **tank** [AHML95, TCM<sup>+22</sup>]. **TAPS** [LDHO<sup>+14</sup>]. **targeted** [MGT16]. **Taro** [MTD<sup>+09</sup>]. **Tasman** [WW23, BSL11, DWM<sup>+15</sup>, KBW<sup>+11</sup>, KFTE14, PWN<sup>+11</sup>]. **Tasmania** [CEG<sup>+11</sup>, DPS<sup>+11</sup>, DSJ<sup>+11</sup>, HBR11, JLTD11, JDD<sup>+11</sup>, WGWW11]. **taxa** [BCE18, BBT<sup>+18</sup>, CP05, Dau18, LYN<sup>+13</sup>, MAN<sup>+20</sup>, SKL<sup>+22</sup>, SNFK20, SRS11]. **taxon** [BLC<sup>+02</sup>, SLT<sup>+11</sup>]. **taxon-specific** [BLC<sup>+02</sup>, SLT<sup>+11</sup>]. **Taxonomic** [LPJ<sup>+16</sup>, MHP<sup>+07</sup>, Ano97b, CG04, DGMS96, GBLS00, IHI<sup>+97</sup>, Kam18, KB15, Mar13, WMS<sup>+96</sup>]. **Taxonomy** [DDAH<sup>+14</sup>, RRT<sup>+17</sup>, DLB<sup>+11</sup>, LCL<sup>+22</sup>, OBKA17, TB98]. **TBCOM** [CWL<sup>+23</sup>]. **TCO** [CSL<sup>+07</sup>]. **technical** [JZ01, KHL<sup>+01</sup>]. **technique** [KJB<sup>+08</sup>, YKN07]. **techniques** [JLAD95, LWSA08]. **technological** [MPM<sup>+16</sup>]. **Technologies** [ELP13, MV23, dLWFB08]. **Technology** [JFC18, PTO<sup>+16</sup>]. **tectonic** [CHL<sup>+15</sup>, GHD<sup>+18</sup>, MWS<sup>+15</sup>, SKS<sup>+16</sup>, THM<sup>+13</sup>, WH98]. **tectonically** [LSA14, RVC<sup>+13b</sup>]. **Tehuantepec** [GSdAMNMM04, FLLGR04]. **telemetry** [CLQ<sup>+18</sup>, DWG<sup>+15</sup>, PWL07]. **teleost** [Gau07]. **Teleostei** [MGN<sup>+18</sup>]. **teleosts** [DW15b, LFKF<sup>+17</sup>]. **Telepresence** [DCS<sup>+18</sup>, RBG18]. **Telepresence-enabled** [DCS<sup>+18</sup>]. **telescopus** [VFFM13]. **tell** [RLGG07]. **temperate** [Dau18, FKS18, HCG<sup>+09</sup>, RBJW16, SSJ<sup>+22</sup>, VRL<sup>+02</sup>, VBF<sup>+02</sup>, WSLC15]. **Temperature** [BCL14, BRB<sup>+13</sup>, BKCV10, DHM<sup>+22</sup>, DIM<sup>+12</sup>, MDI<sup>+12</sup>, SPH<sup>+03</sup>, SKMS08, TY98, AVA23, ALT<sup>+13</sup>, BCBB12, BZS<sup>+16</sup>, BL96, BSM01b, Blo02, BFH<sup>+23</sup>, BAKF03, BY09, BLG15, CV17, CAS<sup>+97</sup>, CC15, CWB02, CKY23a, CKY23b, CMW<sup>+08</sup>, CSS<sup>+22b</sup>, CKB<sup>+07</sup>, Eif05, ER05, ECM<sup>+06</sup>, FB05, GLCP12, HSS<sup>+12</sup>, HDGM19, HiII<sup>+19</sup>, HiII<sup>+20</sup>, HIA<sup>+16</sup>, HZZ10, HF21, JW05a, JW05b, KRB95, KMC05, KIS02, KNN<sup>+06</sup>, LLL<sup>+15</sup>, LT16, aLCS15, Loh08, MAH<sup>+12</sup>,



MDJS11, MB01, MCS07, MKRY01, MXC15, MC12, MS12, MSNL09, NOFP14, NWZL23, Pal04, PC00, PW12, PFPJ+09, PZL+09, RVGF02, RBB+97, RN06, SLdB+15, SRW+10, SBR+97, SMPSD04, SCD+22, SH16, SMH+11, TSS+02, TRM+07, TSB+14, VGGLB15, VCM+14, VLK06, WDMEL01, Zon97].

**temperature-specific** [HIA+16]. **temperature-tolerant** [BAKF03].

**temperatures** [BFC+06, EHK+20, MMH+08, NBBBT13, OMS06, OUJ+19].

**template** [Eks07]. **template-fit** [Eks07]. **Temporal** [AISR+16, BS03, BDWG02, BB98, BMRP02, CCP+18, CWE+17, FGU04, GCCG13, GBH+17, HSBT19, HGMA+02, HHKH+04, HNRGL06, IGN+10, IS07, Ike03, IPTH03, KBG+10, KSH+09, KFG+03, KDMH18, LPdR+14, LSM+06b, MRB+14, MGGTM19, MPS+03, NKF+10, OHK+02, OTOH05, PLT+13, PdBK+03, RGH+24, SSWM18, SiSA+02, SFV+98, SFG98, SE14, SPB+10, SW99, SBS+08, SMLS02, THJ+17, TLSW15, TSP+18, TWD+08, TWC+07, YSMW05, ZZX+13, vdMLB+11, ALHP18, ÁRR02, AMH+01, AGAB19, ALR+14, ACG19, BGIJ+06, BTP+18, BFC+06, BBH05, BDM+03, BO96, BCS99, CJA+06, CLL+03, CMR+18, CGR+96, CHH19, CRBK03, CHR97, DKN+97, EGL+16, GMR+09, GLK+06b, GKR+18, GHB+05, HP98, HdMR+99, HPY+15, HSSN08, HV03, JBC+21, KAI21, KWW04, KL13, LBD+02, LPPC+10, bLHsL+13, MDH08, MMID17, MSI+08, MMS+19, MPH+22, MG13, NR06, NBBBT13, OYK15, OS02]. **temporal** [OS04, PPA10, PH96, PLPS98, PAM+14, QLU09, RJB+04, RSW+13, RSCFT+13, RSCFT+16, SDMC03, SMS+08, SWBKK10, SM20, SMSI08, SMGB02, SMGB03, SL12, SBA18, TWA+12, TBH09, TM22, TMGLM19, TKP+20, WCMB06, YCD+06, YKS+19, TRF+97]. **Temporally** [HDW+20, BMH+94, DBS98, LK98]. **Temporally-resolved** [HDW+20].

**Ten** [Ano14, DPK+14, DKP+14]. **tenuissima** [GAJ+13]. **TEP** [Jac95b, LPA+95, PA95, PNC+06]. **tephra** [DNG+12]. **term** [ASS02, ADRS19, AKK+14, AMTE09, BC08, BG08, BBR+10, BMOW09, BL03, Bre93, DHW98, DVCG+12, Duc08, DEK+08, GLCP12, HWK+14, HZK04, HNCW23, JPM99, KBL01, LSdC+10, LdBvdB17, LO03, LBD+22, LWZ+23, LMF+21, LDW22, MDT+08, NLS+10, PCT18, PZP93, PRB+11, Reb03, RPF01, RVGF02, RSS01, SZH+04, SS09, SRS+15, SM03, SWLL23, SBC+16, SGP+11, WSLP10, WP17, WAC+09, YPY+13, YKO15, dLC+14].

**terminal** [Kli09, RBDO17, SSB+17]. **terms** [SD96]. **Terra** [Ano14, DPK+14, DKP+14, DTJ+14, NLDJ14, PDK+14, WPW+14]. **Terre** [EBG+11]. **terrestrial** [LWL+16, SSB+17, SHS+12, SBSW07]. **terrestrially** [MMSS14, PDS+17]. **terrestrially-derived** [PDS+17]. **terrigenous** [ATN+12, Cha03, CRP+05, JLK03, KW03, PTD+17, PCB+17, SRH+11, TBC+17, YBHM05]. **test** [CWE+17, SH00]. **testate** [GBBS00]. **Testbed** [DZY+01]. **Testing** [FLMF07, LdSN+18, MDTS08, MGK19, DCD+14, LW04]. **Tests** [MLR07, vGCM00]. **Tetractinellida** [SKS+23]. **Tetraparma** [HPN+12].

**Tevnia** [ZJFV15]. **Texas** [Cha07]. **textures** [CYB+18]. **Th** [ACH02, AFB+94, BCH+96, BMK+13, CM99a, CMB99, CAFK03b, CBB+00,

CMA<sup>+09</sup>, DMY<sup>+97</sup>, FRC<sup>+10</sup>, FA03, FS02, GAC<sup>+02</sup>, HAF<sup>+15</sup>, LKK<sup>+95</sup>,  
 MDTS08, MES97, MSTT07, MYN<sup>+96</sup>, NKB95, OOG<sup>+07</sup>, PDSS96, RFB97,  
 STJ<sup>+08</sup>, Svdlm95, SFV<sup>+01</sup>, SSL98, SSH<sup>+11</sup>, SRF95, SCM<sup>+09</sup>, TTLP06,  
 VMGO<sup>+09</sup>, YA03, YCT<sup>+22</sup>, YHL<sup>+12</sup>, vdLCS<sup>+11</sup>]. **Th-Based**  
 [SSH<sup>+11</sup>, STJ<sup>+08</sup>]. **Th-derived** [MSTT07]. **Th**  
 [?]Amiel:2002:DIS,Moran:1997:DCA,Thomalla:2006:POC,Verdeny:2009:PEO.  
**Thailand** [HKY<sup>+13</sup>, PCY<sup>+13</sup>, SYK<sup>+13</sup>]. **Thalassiosira** [NGM<sup>+20</sup>].  
**Thallwitz** [NCL13]. **thanatocoenoses** [DJC<sup>+14</sup>]. **thanatofacies** [RVD<sup>+10</sup>].  
**Thaumastosoma** [KBK<sup>+18</sup>]. **Thaumeledone** [ACPV04]. **Their**  
 [JAP<sup>+13</sup>, SID19, ARNB01, AN05, AN06, ARLA03, ASF<sup>+12</sup>, BWC<sup>+02</sup>,  
 BEJS93, BES95, CV17, CH24, CRF04, CMC11, DZL<sup>+17</sup>, DB97a, DC96,  
 ELP13, FBP<sup>+17</sup>, FJG<sup>+00</sup>, FHW06, HNW<sup>+08</sup>, HCL<sup>+22</sup>, HTPM14,  
 HAGW<sup>+13</sup>, HBC<sup>+12</sup>, HSY08, HZN<sup>+16</sup>, JKJ<sup>+22</sup>, JRK<sup>+17</sup>, KLL03, KxF22,  
 Kla97, KKD06, KIM08, KRGT14, LC16, LCS16, LBD<sup>+02</sup>, LMvDA16,  
 bLHsL<sup>+13</sup>, LSHB09, LBGW97, LD07, MC05, MMMC07, NKA<sup>+11</sup>, NOFP14,  
 OT03, PHOM09, PM10, PWMC01, PSS<sup>+16</sup>, RSB<sup>+17</sup>, ROC<sup>+21</sup>, RT20, RN06,  
 SVJRSON04, SHC<sup>+22</sup>, SHKW05, SBG<sup>+06</sup>, VSV<sup>+97</sup>, WPJW96, XSM<sup>+19</sup>,  
 ZCG<sup>+12</sup>, ZXH<sup>+13</sup>, vHSM04b]. **Themisto** [WT12]. **theoretical**  
 [BWA02, CM01]. **theory** [Gut06, Jac95a, MBP<sup>+20</sup>, Pal19, SS05a].  
**Theragra** [Blo02, CBSS02, HSFN13, LSWH07, SHM13, SSDA13]. **there**  
 [KGB<sup>+11</sup>, KVB<sup>+09</sup>, KVL<sup>+19</sup>, PHH<sup>+16</sup>, VAK<sup>+09</sup>]. **Thermal**  
 [LP14, MDSA19, MRD13, SL15b, SBM<sup>+13</sup>, GBJ<sup>+15</sup>, HSZS17, LTH05,  
 MSW11, SA14, XZM<sup>+23</sup>]. **thermochemical** [HS96]. **Thermocline**  
 [YCYK10, BL98, CBF<sup>+13</sup>, CBF<sup>+16</sup>, FHP94, KOO<sup>+24</sup>, LRM07, NBCT13,  
 RR10, San13, VV23]. **thermodynamic** [CBB<sup>+95</sup>, WZW<sup>+22</sup>].  
**Thermodynamics** [JVL<sup>+16</sup>, GMM<sup>+20</sup>, KIY<sup>+05</sup>]. **thermography** [MCS07].  
**Thermohaline** [BSM01a, MCM06, ASMH08, BV98, BMS99, KST<sup>+99</sup>,  
 OGG<sup>+20</sup>, RR96, SGJ<sup>+20</sup>, VCRDF99]. **Thermophilic** [SB98].  
**thermophilus** [TTD13]. **thermotolerant** [BSH<sup>+11</sup>]. **Thick**  
 [TMH<sup>+08</sup>, WTI<sup>+20</sup>]. **Thick-billed** [TMH<sup>+08</sup>, WTI<sup>+20</sup>]. **thickening** [JS14].  
**thickness** [DGA<sup>+11</sup>, FHvFM08, HNW<sup>+08</sup>, SET<sup>+09</sup>, SHW<sup>+16</sup>, WLA11,  
 WSL<sup>+11</sup>, XAY<sup>+11</sup>, bsBD<sup>+20</sup>]. **Thin**  
 [JCPC09, FGF<sup>+14</sup>, OM14, TMC<sup>+14</sup>, YLU<sup>+14</sup>]. **thinning** [PSA14]. **Thirty**  
 [MLH14, SHR20]. **Thirty-year** [SHR20]. **thompsoni** [KCMT<sup>+20</sup>, PH17].  
**Thorium** [OPB15, BAH<sup>+95</sup>, BBA<sup>+98</sup>, CBB<sup>+00</sup>, VvdLS11]. **Thorium-234**  
 [OPB15, BAH<sup>+95</sup>, BBA<sup>+98</sup>]. **those** [Jac95a]. **thouarsii** [WTS08].  
**thraustochytrids** [RRMM05]. **Three**  
 [Ano07d, CWD<sup>+10</sup>, GWP<sup>+98a</sup>, KDMH18, LMS15, TMC04, VAT23,  
 AMK<sup>+05</sup>, BGIJ<sup>+06</sup>, Bas19, BTR20, BSJ13, BSR<sup>+18</sup>, CSL<sup>+22</sup>, CSM13b,  
 CKFC18, CRA<sup>+20</sup>, CPA<sup>+11</sup>, DFMW13, GSK02, GGCM17, GGSC03, GK04,  
 GFPM02, HNM<sup>+20</sup>, ITMG18, KB99, KGB<sup>+14</sup>, KCD<sup>+17</sup>, KKUK10, KRHS20,  
 LVJC17, LLM<sup>+17</sup>, MC09, MSD<sup>+18</sup>, MFFM03, NSLAP<sup>+17</sup>, NRH<sup>+20</sup>,  
 NCSB<sup>+98</sup>, PVK<sup>+20</sup>, RAS23, RI05, RTM<sup>+20</sup>, RT20, RNP93, SSK<sup>+05</sup>,  
 SSK<sup>+07</sup>, STD<sup>+20</sup>, VGBGPA02, WTS08, YLH<sup>+10</sup>, ZHM<sup>+24</sup>, vOSG<sup>+11</sup>].

**Three-dimensional** [CWD<sup>+10</sup>, GWP<sup>+98a</sup>, TMC04, Bas19, DFMW13, GSK02, GGSC03, KB99, KKUK10, YLH<sup>+10</sup>, ZHM<sup>+24</sup>]. **three-layer** [GK04]. **three-layered** [CSL<sup>+22</sup>]. **threshold** [LGF03]. **thresholds** [EF98, LWM<sup>+09</sup>]. **through-flow** [Jur20]. **Throughflow** [SWK<sup>+23</sup>, SPH<sup>+03</sup>, VGF02, PHS03, TSS<sup>+21</sup>, SWCB02, WSFB02]. **throughout** [CB16, CBK<sup>+22</sup>, PBNF<sup>+16</sup>]. **throughput** [LEP14]. **thrust** [WCK<sup>+18</sup>]. **Thunnus** [BFDB17, BSN<sup>+15</sup>, DABMAMA04, DWM<sup>+15</sup>, GLCU<sup>+17</sup>, IABR<sup>+17</sup>, KHT<sup>+20</sup>, KOT<sup>+20</sup>, LCW20, WAN<sup>+15</sup>, WLT20, ZKSS06]. **thynnus** [BFDB17, GLCU<sup>+17</sup>, IABR<sup>+17</sup>]. **Thysanoessa** [FLM10, FPS10, HPL<sup>+12</sup>, KYI10a, KYI10b, PSS<sup>+16</sup>, WMW<sup>+20</sup>]. **Tidal** [DRVVS<sup>+14</sup>, GOC09, HHW<sup>+08</sup>, LM01, OGC09, BHS<sup>+19</sup>, DL01, HSHM02, LH06, LCG03, LBB<sup>+06</sup>, MT96, PRP15, RAR04, RSC<sup>+09</sup>, SSC<sup>+23</sup>, SCS<sup>+98</sup>, TCM<sup>+22</sup>, WTJ<sup>+19</sup>, WOU06, YO96]. **Tidal-front** [LM01, LBB<sup>+06</sup>, YO96]. **tidal-mixing** [DL01]. **tidal/subtidal** [HSHM02]. **tidally** [HTW14, JMW<sup>+20</sup>, ZPG14]. **tidally-driven** [ZPG14]. **tide** [AGHS04, MBC<sup>+14</sup>, PHM06, SHA04, TBT05, WZ14]. **Tides** [PHOM09, GLM04, HAC<sup>+14</sup>, IGP<sup>+06</sup>, JR15, MML06, PFDG08, SN04, WMB<sup>+08</sup>, WCD<sup>+09</sup>, WXL<sup>+23</sup>, Ynd09, ZG15]. **tikhookeanskaya** [CC<sup>+23</sup>]. **Time** [Ano96g, BMK96, CFJL96, CMA<sup>+09</sup>, CRR01, DGN96, DOC01, EFR<sup>+16</sup>, GOP<sup>+01</sup>, INTS02, IF95, KM96, KL96a, LHS96, MHS01, MK96, MSNL09, OLG<sup>+01</sup>, RD97, SMA01, SCB<sup>+01</sup>, SMB03, STS<sup>+15</sup>, WLP<sup>+09</sup>, WWW<sup>+02</sup>, WKM<sup>+07b</sup>, WKM<sup>+07c</sup>, ANL13, AKK<sup>+14</sup>, BCH<sup>+96</sup>, BGS98, BFH<sup>+11</sup>, Blu93, BLO<sup>+17</sup>, CSL<sup>+07</sup>, CLMK13, CRI18, DHM<sup>+22</sup>, DIM<sup>+12</sup>, DJCF09, DBH<sup>+20</sup>, Eif05, EPK<sup>+10</sup>, FHR<sup>+11</sup>, FM03b, FG07, FNYK02, GBP00, GUSB03, GLK<sup>+06a</sup>, GG02, HFM<sup>+02</sup>, HGM<sup>+11</sup>, HBCC13, ITT12, JW05a, JW05b, JMM<sup>+13</sup>, KLK<sup>+15</sup>, KVPK20, LSST20, LBM10, LK98, LWL<sup>+24</sup>, LPW<sup>+09</sup>, Lip01, MPL15, Mar02, MCPA02, MC02, MFH04, MLVM02, MLS<sup>+15</sup>, NSH<sup>+10</sup>, PST<sup>+05</sup>, PPL<sup>+07</sup>, PBO<sup>+11</sup>, RCW<sup>+15</sup>, RT14, RR10, RMC<sup>+08</sup>, RW95, RAL<sup>+01</sup>, SKM01, SBG<sup>+98</sup>, SD98, SBG<sup>+03</sup>, SHM<sup>+20</sup>, SHR20, SGM<sup>+14</sup>, SSB<sup>+06</sup>, TCEW07, TTA<sup>+16</sup>, WHLR13, WWC<sup>+99</sup>, WLT20, XA09, YA03, YSBH06, BL96]. **Time** [LSM96, Mit96]. **Time-dependent** [STS<sup>+15</sup>]. **Time-lapse** [EFR<sup>+16</sup>]. **time-scale** [FM03b]. **Time-Series** [Ano96g, BMK96, CFJL96, CMA<sup>+09</sup>, DGN96, DOC01, GOP<sup>+01</sup>, KM96, KL96a, MHS01, MK96, MSNL09, OLG<sup>+01</sup>, SCB<sup>+01</sup>, SMB03, WWW<sup>+02</sup>, WKM<sup>+07b</sup>, WKM<sup>+07c</sup>, ANL13, BCH<sup>+96</sup>, BGS98, CSL<sup>+07</sup>, CLMK13, DBH<sup>+20</sup>, FNYK02, GBP00, GUSB03, GG02, HBCC13, ITT12, JMM<sup>+13</sup>, LSST20, LPW<sup>+09</sup>, Lip01, Mar02, MCPA02, MC02, RCW<sup>+15</sup>, RAL<sup>+01</sup>, SKM01, SBG<sup>+98</sup>, SD98, SBG<sup>+03</sup>, TTA<sup>+16</sup>, XA09, YA03, BL96, LSM96, Mit96]. **time-slice** [HFM<sup>+02</sup>]. **time-varying** [Blu93]. **Timelines** [EBM<sup>+18</sup>]. **times** [FRBB13, PHDK11]. **timescale** [LRM07]. **Timescales** [HWP<sup>+11</sup>, Ano96f, CHL<sup>+95</sup>]. **Timing** [NYH<sup>+20</sup>, BFL<sup>+20</sup>, BKP<sup>+20</sup>, FPS10, NSWY20, OHS10, SP19b, SFH<sup>+18</sup>, VSM17, WYOS18, ZXH<sup>+13</sup>]. **tintinnid** [AYMSAS19]. **tintinnids** [LZC<sup>+16</sup>].

**tip** [SBK<sup>+16</sup>, vGFGS02]. **Tissue** [MSW<sup>+13</sup>]. **Todarodes** [PNVJ13]. **Todos** [DCH04]. **together** [SCQ<sup>+09</sup>]. **Togiak** [FBB<sup>+13</sup>]. **tolerance** [BRB<sup>+13</sup>, TTDR13]. **tolerances** [BY09, TY98]. **tolerant** [BAKF03]. **Tom** [Ver13]. **tomography** [SGGW11]. **Toms** [PPM02]. **tongue** [BW99b, HS96, WW99]. **tonguefish** [TTD13]. **tool** [DLB<sup>+11</sup>, WBCB06]. **toothfish** [SHC<sup>+22</sup>]. **Top** [Ano06g, RCF<sup>+08</sup>, SFZ<sup>+13</sup>, YSMW05, DLW<sup>+17</sup>, EAB<sup>+20</sup>, HAE<sup>+15</sup>, HAE<sup>+17</sup>, HPS<sup>+11</sup>, JNBJ17, LWO<sup>+09</sup>, LLD<sup>+17</sup>, LPD<sup>+17</sup>, MPJ<sup>+13</sup>, NGS<sup>+15</sup>, SBR<sup>+97</sup>, SJST13, SBG<sup>+06</sup>, VBM97, YKO15, YHC<sup>+15</sup>]. **Top-down** [SFZ<sup>+13</sup>, HPS<sup>+11</sup>, LWO<sup>+09</sup>, NGS<sup>+15</sup>]. **TOPEX** [BSS<sup>+02</sup>, KFH01, MMXS02, SMS03]. **TOPEX/POSEIDON** [BSS<sup>+02</sup>, MMXS02, KFH01, SMS03]. **Topical** [CSM93, PNLFS02, PNLF02, RGL06b]. **Topographic** [LS04, GGI03, KVPK20, SGB<sup>+08</sup>, SPH<sup>+08</sup>, VMB17]. **Topographically** [BLM13]. **topography** [ASM06, DL04, LH06, NHS<sup>+13</sup>, RPM07, WZZ<sup>+23</sup>, WGB01, XZM<sup>+23</sup>]. **Torquaratoridae** [ELG<sup>+22a</sup>, ELG<sup>+22b</sup>]. **Tortonian** [RMG<sup>+23</sup>]. **Total** [HGAB04, LSC02, BL00, CMB12, ER05, FLM10, HP98, HC01, JSP<sup>+17</sup>, LBM98, PH96, SSV02, SP09, SHW<sup>+16</sup>, ZQ97]. **tourism** [PJLO<sup>+17</sup>]. **towed** [BCT21, KCTG16, MT98, PBD<sup>+02</sup>]. **Tower** [RBXM15]. **Toxic** [Ano05a, BFF<sup>+10</sup>, BKS<sup>+10</sup>, BFK<sup>+14</sup>, DPS<sup>+14</sup>, KCMA05, KCA05, PTD<sup>+14</sup>, SAKP<sup>+22</sup>, TMC<sup>+14</sup>, TMTR14, VB98]. **Toxicity** [WPW<sup>+14</sup>, ACK<sup>+14</sup>, ER05, FHR<sup>+14</sup>, GKQ<sup>+05</sup>, HTW14, LTH05, MLH14, MAST05]. **toxicological** [HTPM14]. **Toxin** [PKA05, BCL14, DPS<sup>+14</sup>, ER05, PTD<sup>+14</sup>, DPS<sup>+14</sup>, DTP<sup>+05</sup>]. **toxins** [dSVC<sup>+14</sup>, DVC14, DRR<sup>+14</sup>, DTP<sup>+05</sup>, TDKA05]. **Trace** [CBC02, DGK<sup>+22</sup>, FJG<sup>+00</sup>, Mas01, PPS<sup>+16</sup>, TTCD14, WSS<sup>+08</sup>, Ano99a, AELP14, BLO<sup>+17</sup>, CVA<sup>+13</sup>, Cha03, CMVS<sup>+10</sup>, FdBGP11, FBCP01, GJC98, HWS<sup>+07</sup>, KWN<sup>+09</sup>, LBL08, MBTM97, NSMBN08, NEN<sup>+07</sup>, RVC<sup>+13b</sup>, SHF<sup>+95</sup>, SVD97, TRM<sup>+15</sup>, VCRDF99, VOK<sup>+24</sup>, Zon07]. **trace-metal** [FBCP01, SHF<sup>+95</sup>]. **traced** [BFM<sup>+14</sup>]. **tracer** [AIW03, BWD20, BBDL98, CAS<sup>+97</sup>, CM99a, CMB99, CLGM05, FS02, GF97, LBM98, LWLS98, LML<sup>+01</sup>, LMS09, OPB15, PRJW05, PDTS08, RKS<sup>+95</sup>, RFB97, SRF09b, SE95, SHL<sup>+11</sup>, SLW98, TOF04]. **tracers** [AFM93, AKHR<sup>+20</sup>, CGM<sup>+07</sup>, HdVGHM02, Jen03, LNDH<sup>+17</sup>, MW05b, SRS11, WMW96, ZGW<sup>+23</sup>]. **Tracing** [CRM<sup>+16</sup>, LKK<sup>+95</sup>, WCSA<sup>+16</sup>, YBHM05, Tho97, TPP<sup>+20</sup>, ZLJ08]. **track** [JCP<sup>+22</sup>]. **tracked** [BTRL99, GGC19, Grü99, HRSJ23, JDS<sup>+08</sup>, MFPL19]. **Tracking** [EQW<sup>+13</sup>, FG07, Gre01, SL11, VPdP06, WH01b, RTC<sup>+07</sup>]. **tracks** [RBO07, WLD<sup>+07</sup>]. **Tradeoffs** [JMP<sup>+19</sup>]. **Trader** [DCS<sup>+18</sup>]. **traditional** [HBB<sup>+13</sup>]. **trail** [APT11]. **Trailing** [RHPR15]. **Trait** [CDM23]. **Trait-based** [CDM23]. **traits** [GJ11, LMG17, RLB<sup>+18a</sup>, RS15, SHC<sup>+22</sup>]. **trajectories** [CDDC03, ECM<sup>+06</sup>, GMCR18, HRT14, PK13, RF99, RP05, STP<sup>+16</sup>, SGL99]. **trajectory** [LWZ<sup>+23</sup>]. **Trans** [HTT15, PH17, NMK<sup>+20</sup>]. **Trans-Atlantic**

[HTT15, PH17, NMK<sup>+</sup>20]. **transatlantic** [SWL<sup>+</sup>18]. **transcription** [BMB<sup>+</sup>18]. **Transect** [BMML06, BAC<sup>+</sup>15, LOA15, RHJ06, RPH<sup>+</sup>06, RHJL09, ABC<sup>+</sup>04, BRG<sup>+</sup>19, CFT<sup>+</sup>04, CG04, GRWW01, HAF<sup>+</sup>15, KF95, KOM17, KR95, KT02, KHL<sup>+</sup>17, NGS<sup>+</sup>20, NESB<sup>+</sup>15, OvdRvA<sup>+</sup>22, OL15, PDG<sup>+</sup>03, RPB02, SMCA01, SH99c, SLB18, SWL<sup>+</sup>18, SSUB15, SZV<sup>+</sup>19, SIFS10, VKG93, BJB<sup>+</sup>06, FCW<sup>+</sup>15].

**transects** [CGR<sup>+</sup>96, HMH<sup>+</sup>02, JNBJ17, LAJP13, MPB<sup>+</sup>18, PDA<sup>+</sup>20, SML15].

**Transfer** [FPHH<sup>+</sup>09, HKFL03, KW00, MSM<sup>+</sup>02, NC97, AHV<sup>+</sup>00, GSB<sup>+</sup>23, GBP00, HDJP05, KB95, PDS<sup>+</sup>17, RBDO17, RHL<sup>+</sup>22, RdGM<sup>+</sup>09, RHB<sup>+</sup>04, RBXM15, SBHS20, TBB<sup>+</sup>08, UW99]. **transform** [PUP<sup>+</sup>07].

**Transformation** [AGN<sup>+</sup>02, FCAD04, CBB<sup>+</sup>98, GP16, HH93, KM05b, You99].

**Transformations** [BSB<sup>+</sup>99, HMGD17, HD02, VBF<sup>+</sup>02]. **transformed** [PWP<sup>+</sup>05]. **Transience** [GPMS<sup>+</sup>16]. **transient** [RBN<sup>+</sup>08, TOF04]. **transit** [WZL<sup>+</sup>16, CP18b, RKB18]. **Transition** [HAC<sup>+</sup>14, AMJRD19, BCI02, DNM<sup>+</sup>16, HBC<sup>+</sup>23, HiI<sup>+</sup>19, HiII<sup>+</sup>20, LJHAA19, LTW<sup>+</sup>11, MNG<sup>+</sup>11, MHM<sup>+</sup>14, SvdMC<sup>+</sup>16, SMP<sup>+</sup>15, TT01, UWvdE<sup>+</sup>16, VMF<sup>+</sup>16, WSE<sup>+</sup>16].

**transitional** [LCWJI<sup>+</sup>19, WSP19]. **transmission** [GOH<sup>+</sup>15].

**transmissions** [SWC<sup>+</sup>02]. **transparent** [LPA<sup>+</sup>95, PA95]. **Transport** [Ano06f, AGP05, BTS<sup>+</sup>08, HYK<sup>+</sup>02, JPC06, dJMTGG11, MBC<sup>+</sup>20, RPS<sup>+</sup>11, RGL<sup>+</sup>06a, SRN02, SS99a, THJ<sup>+</sup>05, TCJ<sup>+</sup>11, AAG06, AGS<sup>+</sup>02, AKK<sup>+</sup>17, BBB94, BC03, BH99a, CMG<sup>+</sup>12, CHN<sup>+</sup>18, Cra05, CMPB18, DCN<sup>+</sup>02, DHS<sup>+</sup>09, EGG<sup>+</sup>05, FKW01, GGLP02, GAC<sup>+</sup>02, GHÖ<sup>+</sup>13, HWP<sup>+</sup>11, HGMA<sup>+</sup>02, HS05a, HP08, HTM<sup>+</sup>03, HK19, HZ19, JKN<sup>+</sup>05, JC03, JZ01, JCM<sup>+</sup>13, JMSW05, KCMA05, KM98, KFHR05, KLM13, LLR<sup>+</sup>06, LMS09, LCD01, Liv95, LBB11, LDX<sup>+</sup>23, MBW<sup>+</sup>03, MMS<sup>+</sup>16, MR01, MSB<sup>+</sup>03, MTWH04, NS93, NPF<sup>+</sup>09, PFC19, PHDK11, RSC07, SMS01, SSLP95, SHD<sup>+</sup>14, SHB02, SF99, SWC<sup>+</sup>02, SDK<sup>+</sup>16, SBS<sup>+</sup>02, TP99, TdFAL19, TP96, VCDAL14, VPSL15, VGF02, WGFS03, WHL<sup>+</sup>97, WDD<sup>+</sup>22, WCH05, WOU06, XZM<sup>+</sup>23, You99, ZTZ09, Zim09, ZB00, dMCNC99, dSJB<sup>+</sup>11].

**transport-retention** [ZTZ09]. **transported** [SSP<sup>+</sup>09]. **transports** [CMC11, DD15a, DD15b, HGM<sup>+</sup>11, MMXS02, SH99b, SBG05, SWCB02, YCYK10]. **trap** [AKHR<sup>+</sup>20, CMA<sup>+</sup>09, CDH<sup>+</sup>00, HLG<sup>+</sup>21, HSM<sup>+</sup>01a, HIN<sup>+</sup>02, KGKS20, KNG02, KKNH02, MYN<sup>+</sup>96, NW01, PFW<sup>+</sup>09, RSRL00, SLS<sup>+</sup>07, Thu98, TTA<sup>+</sup>16, XA09, vGCM00]. **trap-** [MYN<sup>+</sup>96]. **trap-derived** [HLG<sup>+</sup>21]. **Trapped** [JR15]. **Trapping** [SFV<sup>+</sup>01]. **traps** [ETDB11, FA03, LPW<sup>+</sup>09, RCW<sup>+</sup>15, RFLW00, SFV<sup>+</sup>01, SHM<sup>+</sup>11, SAB<sup>+</sup>07, WLP<sup>+</sup>09, WWC<sup>+</sup>99, YA03]. **trawl** [CAJE15, CSCP13, DLWW23, NCSB<sup>+</sup>98, UGSK<sup>+</sup>20, YLG<sup>+</sup>18]. **Trawled** [ARB<sup>+</sup>13]. **Trawling** [GIPLL<sup>+</sup>14, MPPR14, AFC<sup>+</sup>17, DGN<sup>+</sup>17].

**Trawling-induced** [MPPR14]. **trawls** [DTWW17, DTWW21, SL12].

**treated** [Joh19]. **trees** [Sig17]. **Trench** [JLL<sup>+</sup>13, JSWB21, LMLJ18, LAT<sup>+</sup>18, Mun16, SLB18, SWL<sup>+</sup>18, SNIT02,

Ala15, BPPJ15, BCNS15, BSCE15, BEM<sup>+</sup>15, BFB<sup>+</sup>18, BAF<sup>+</sup>18, CKFC18, CAK15, CBMM15, DAB<sup>+</sup>18, DJ15, FMZ15, FEB<sup>+</sup>15, Gol15, GC15, Kam15, KWPB15, KBR18, KKVP15, LMLJ18, LMS15, LVP15, LS18, MA15, MA18a, MA18b, MB15, Mun14, RKB18, SA15a, SA18, SA15b, SC15, VVV04a].

**trenches** [CW18, XGF18]. **Trend**

[AVA23, DVCG<sup>+</sup>12, IIM<sup>+</sup>09, KxF22, WP17]. **Trends**

[DCF<sup>+</sup>18, KKMSM12, PBO<sup>+</sup>11, SWB<sup>+</sup>09, AGAB19, AMTE09, AL13, BFSK08, BMRP02, BFML<sup>+</sup>08, BD06, BSR08, CTW<sup>+</sup>15, Cam18, CPF<sup>+</sup>14, CG04, DB05, EEAA<sup>+</sup>19, GLCP12, HC15, HALV18, KSBK01, KL13, KLČ<sup>+</sup>19, LSdC<sup>+</sup>10, NWZL23, PLS<sup>+</sup>10, PdBK<sup>+</sup>03, RVGF02, SIS<sup>+</sup>02, SM03, SL12, TGK<sup>+</sup>11, TRF<sup>+</sup>97, TKP<sup>+</sup>20, VGZ<sup>+</sup>19, VCG<sup>+</sup>20, VHC<sup>+</sup>17]. **treska**

[CCC<sup>+</sup>23]. **trials** [SS13b]. **tribute**

[Ano18l, BCD<sup>+</sup>09, BDG<sup>+</sup>04, Goe02, Row13, SL15a, SLM98].

**Trichodesmium** [HSM<sup>+</sup>01b, KDG<sup>+</sup>97, OLG<sup>+</sup>01, SBH<sup>+</sup>01]. **tricuspis**

[GNB<sup>+</sup>17]. **tridactyla** [VM13]. **Trieste** [KLČ<sup>+</sup>19]. **trigger** [KK19].

**triggered** [EEAC<sup>+</sup>20]. **Tripes** [ADE22]. **triterpenes** [MRP<sup>+</sup>17]. **Triticella**

[GC15]. **tritium** [JLL<sup>+</sup>15]. **TRMM** [HZZ10]. **Trophic**

[BSKD<sup>+</sup>07, CHV<sup>+</sup>15, CDRB16, DYEJ08, DSO<sup>+</sup>00, DTP<sup>+</sup>05, FLTV04, KBKW13, MSJS08, NCSO13, ODR<sup>+</sup>09, PGFP<sup>+</sup>08, PKZ<sup>+</sup>19, SKL<sup>+</sup>22, TDKA05, BLSW05, BRD<sup>+</sup>18, Car10, CHH<sup>+</sup>21, CCM<sup>+</sup>20, CNOC13, DMJ93, DKP<sup>+</sup>17, FLLGR04, HPS<sup>+</sup>11, IHPA16, JTW00, JCF<sup>+</sup>06b, KCZ<sup>+</sup>19, KWPB15, KME18, KKUK10, LMKL09, LSGM02, LHZJ13, LL13, LGP<sup>+</sup>15, MMID17, OYK15, OKY<sup>+</sup>17, PPYN15, RHL<sup>+</sup>22, RDW<sup>+</sup>12, TR02, TSW<sup>+</sup>12, TBB<sup>+</sup>14, TŠŠ<sup>+</sup>19, WBD17, ZTZB09]. **Trophodynamic**

[CGPM13, WPLN96]. **Trophodynamics**

[KYKJ16, MD14, MD17, HFK<sup>+</sup>02, LPL<sup>+</sup>20, RSW<sup>+</sup>13, YHC<sup>+</sup>15]. **Tropical**

[AKBD13, CFV<sup>+</sup>18, CM03, FDC<sup>+</sup>18, GSdAMNMM04, LS18, MV19, MHA<sup>+</sup>15, PHD<sup>+</sup>18, SBN<sup>+</sup>15, AVA23, ADV<sup>+</sup>01, AHHCR23, ACG19, AMN<sup>+</sup>02b, BHS<sup>+</sup>19, BTR20, BG10, BFB<sup>+</sup>18, CBS<sup>+</sup>96, CVM<sup>+</sup>01a, CVM<sup>+</sup>01b, CHSVB<sup>+</sup>19, DLR<sup>+</sup>01, DW15a, DABMAMA04, DHGO23, FM03b, GKH<sup>+</sup>07, GMM<sup>+</sup>20, GKB<sup>+</sup>18, GLMB18, Har96, HAH<sup>+</sup>01, HC15, HMSMK04, HAM<sup>+</sup>15, JZ93, Joh96, KxF22, KEPZ93, KDSR19, LK02, LRM07, MCSF15, MCS<sup>+</sup>02, MCS<sup>+</sup>03, MF09, NDD<sup>+</sup>14, OLP<sup>+</sup>20, PSE<sup>+</sup>93, PP20, RR96, RBMY02, RAS23, RF99, SPSM23, SSMC10, SSJ<sup>+</sup>22, SS99b, SPD<sup>+</sup>11, SLB<sup>+</sup>15, SMM<sup>+</sup>06, JMP<sup>+</sup>19, SJJ19, TRB<sup>+</sup>19, WZW<sup>+</sup>95, WMC06, WWcW<sup>+</sup>15, WSLC15, YKS<sup>+</sup>19, ZDWR95, MLR07]. **tropical-subtropical**

[CHSVB<sup>+</sup>19]. **tropicalization** [PPYN15]. **tropics** [NGS<sup>+</sup>20]. **Troposphere**

[LCW<sup>+</sup>07, ACV<sup>+</sup>01]. **trossulus** [BCB<sup>+</sup>18, BMB<sup>+</sup>18]. **Trough**

[VPSL15, CCC<sup>+</sup>03, DFA<sup>+</sup>20, IOK03, iTT<sup>+</sup>15, KLL03, KW03, Tan03, VT09, YA03, YKS03]. **trout** [WWB04]. **true** [GRC<sup>+</sup>03]. **truthing** [NKE11].

**tsunami** [WA02]. **Tsushima** [NSH<sup>+</sup>10, SJL05, THJ<sup>+</sup>05].

**Tsushima/Korean** [SJL05]. **tube** [BTM<sup>+</sup>98, DSD12]. **tube-dwelling**

[DSD12]. **tubeworm** [BPR<sup>+</sup>10, FR10, NLSL09, ZJFV15].

**tubeworm-associated** [FR10]. **tubular** [LCK<sup>+</sup>18]. **tuna**

[AKK<sup>+17</sup>, ADK<sup>+15</sup>, BFDB17, BSN<sup>+15</sup>, DABMAMA04, DWM<sup>+15</sup>, EMEP18, EPHE18, GLCU<sup>+17</sup>, HHMF11, IABR<sup>+17</sup>, KHT<sup>+20</sup>, KOT<sup>+20</sup>, LCW20, LSNH15, LPL<sup>+20</sup>, LMLC<sup>+17</sup>, LGP<sup>+15</sup>, LFKF<sup>+17</sup>, MCSF15, MGG<sup>+17</sup>, NDD<sup>+14</sup>, OLP<sup>+20</sup>, PPYN15, PHE<sup>+18</sup>, RSB<sup>+17</sup>, SLHS20, JMP<sup>+19</sup>, WAN<sup>+15</sup>, WLT20, YHC<sup>+11</sup>]. **tunas** [DKP<sup>+17</sup>, LH15]. **tunicate** [PH17].

**tunicates** [LO03, PDH<sup>+11</sup>]. **Turbidity**

[VKC09, GNG<sup>+22</sup>, HTM<sup>+03</sup>, SDT<sup>+17</sup>]. **Turbulence**

[HLNO96, LPJ<sup>+19</sup>, Ano05e, BU05, IAA96, LYL22, LM96, MBd05, PS19, SS05a, SS05b, TC06, WSM<sup>+22</sup>, WZZ<sup>+23</sup>]. **turbulent** [BLS<sup>+03</sup>, BMG<sup>+17</sup>, DSvR<sup>+18</sup>, EWG94, Fer06, KIS02, MLP<sup>+10</sup>, MW05a, Uml05]. **turnover**

[AT10, SMM<sup>+06</sup>, ZSB01, ZFA<sup>+02</sup>]. **turrids** [BLS09]. **turtle**

[ECM<sup>+06</sup>, WNHF<sup>+15</sup>]. **turtles** [DMC<sup>+17</sup>, PUB<sup>+06</sup>]. **TUSCH** [TTU01].

**Twilight**

[JDD<sup>+11</sup>, DJS<sup>+08</sup>, HFD<sup>+23</sup>, LBV<sup>+08</sup>, SBL<sup>+07</sup>, WLP<sup>+09</sup>, LAC<sup>+09</sup>]. **Two** [AS01b, AHVB<sup>+17</sup>, BV04, BB04, Che13, HSC<sup>+07</sup>, IUdV<sup>+12</sup>, LBJ<sup>+13</sup>, PRB<sup>+11</sup>, RPS<sup>+11</sup>, ACD<sup>+17</sup>, ACR<sup>+20</sup>, AMV<sup>+09</sup>, BWD20, BSCE15, BFF<sup>+10</sup>, CRNP06, CC15, CP18b, CMAO<sup>+12</sup>, CL15, CM00, CBW01, CW09, CGD<sup>+15</sup>, DTWW17, DTWW21, DP02, DRVVS<sup>+14</sup>, DCL<sup>+21</sup>, DAGK<sup>+17</sup>, Dud06, DDB<sup>+97</sup>, DBH<sup>+20</sup>, FM03b, FMFW07, FARLR<sup>+13</sup>, GTSC08, Gol15, GM22, GFW07, HBP<sup>+14</sup>, HMC09, HKO<sup>+17</sup>, JWS01, KMB11, KHT<sup>+20</sup>, LPdR<sup>+14</sup>, LGO08, LPS14, Mal15, MFB18, MG22, MCB<sup>+15</sup>, MBO07, OKH<sup>+22</sup>, PP93, PWF03, PCY<sup>+13</sup>, PRSS23, RLB<sup>+18a</sup>, RAT<sup>+13</sup>, RMD<sup>+12</sup>, RSF<sup>+99</sup>, SZM10, SAG<sup>+10</sup>, SRDV07, SCM<sup>+08</sup>, SKL<sup>+22</sup>, SHC<sup>+22</sup>, SGM<sup>+14</sup>, STS11, Thi98, VMGO<sup>+09</sup>, VSR<sup>+10</sup>, VFFM13, WMH<sup>+07</sup>, WPG<sup>+07</sup>, WW23, ZRG16].

**two-component** [BWD20]. **two-phase** [CL15]. **two-year** [FM03b]. **Tyler**

[Row13]. **type** [KWF<sup>+19</sup>, MARFP08, NSMBN08]. **types**

[APB<sup>+09</sup>, BRBD17, OCKA<sup>+11</sup>, SDT<sup>+17</sup>]. **Typhoon** [HZYZ10]. **typhoons**

[NMW<sup>+09</sup>, CW22]. **Tyrrhenian** [DCA09, LSA14, Ano09a, BG09b, BGS09,

GDD<sup>+09</sup>, LTG<sup>+09</sup>, TGA<sup>+09</sup>, YLD09, dBC<sup>+09</sup>].

**U** [ACH02, FRC<sup>+10</sup>, MES97, TTLP06, VMGO<sup>+09</sup>]. **U.K.** [TOP95]. **U.S**

[MSD<sup>+18</sup>, WAL<sup>+11</sup>]. **U.S.**

[Ano96g, BBB94, BMK96, BG94, BRBD17, BHLS15, BAC<sup>+15</sup>, BSS15, DTWF17, Eck94, FK98, HMW<sup>+15</sup>, HAF<sup>+15</sup>, JLL<sup>+15</sup>, JSBC15, MK96,

Mil94b, MJG95, NESB<sup>+15</sup>, OBC<sup>+14</sup>, SSUB15, Urb20, ZDWR95]. **U.S.A.**

[KFF<sup>+94</sup>]. **U/Th** [FRC<sup>+10</sup>]. **U1340** [Hus16]. **U1341**

[IOTS16, ITK<sup>+16</sup>, OTN16, WOM<sup>+16</sup>]. **U1341B** [KOS<sup>+16</sup>]. **U1342A**

[SKS<sup>+16</sup>]. **U1343** [AKI<sup>+16</sup>, PBVC<sup>+16</sup>, Hus16]. **U1343E**

[KOS<sup>+16</sup>, KKT16, TSOT16]. **U1344A** [OM16]. **U1345** [PBVC<sup>+16</sup>]. **UAV**

[MRE<sup>+11</sup>]. **UK** [SDGH14]. **Ulleung**

[JCP17, JSP<sup>+17</sup>, KKK<sup>+17</sup>, KHH<sup>+17</sup>, MWW<sup>+05</sup>, TTW<sup>+05</sup>]. **ultimate**

[HSM<sup>+01a</sup>]. **ultra** [AKHR<sup>+20</sup>, DO96, LLS<sup>+19</sup>, PKZ<sup>+19</sup>, SHF<sup>+95</sup>, SKD<sup>+16</sup>].

**ultra-** [DO96]. **ultra-clean** [SHF<sup>+95</sup>]. **ultra-high** [SKD<sup>+16</sup>].

**ultra-oligotrophic** [AKHR<sup>+20</sup>, LLS<sup>+19</sup>, PKZ<sup>+19</sup>]. **ultrafiltered**

[MGS<sup>+</sup>10]. **ultraoligotrophic** [OFD<sup>+</sup>22]. **ultraphytoplankton** [BCO<sup>+</sup>96]. **ultraplankton** [MZH<sup>+</sup>10, VKG93]. **ultraviolet** [WW04a]. **ultraviolet-B** [WW04a]. **Umitaka** [CHU<sup>+</sup>00, SHM<sup>+</sup>07]. **Umitaka-Maru** [CHU<sup>+</sup>00]. **Uncertainties** [EBG<sup>+</sup>15, SHL<sup>+</sup>11, CAJE15, HKAM12]. **uncertainty** [IHPA16]. **under-ice** [BBLS14, CFL<sup>+</sup>16, KHL<sup>+</sup>15, LS14a, LvDA14, NRS14, ORFA<sup>+</sup>14, SPB<sup>+</sup>14, ZAC<sup>+</sup>15]. **undercurrent** [CGR<sup>+</sup>00, CRMI18, NR00, PSK<sup>+</sup>00b, SA02, RPM07, ZSIW21]. **undercurrents** [EO02]. **underdeveloped** [OBKA17]. **underlying** [SW00]. **undersaturations** [MCM<sup>+</sup>14]. **Undersea** [ESW<sup>+</sup>16, Mah16]. **understand** [PMJ20, RDW<sup>+</sup>12]. **Understanding** [ACK<sup>+</sup>14, ALR<sup>+</sup>14, BMR<sup>+</sup>14, BL08, DKP<sup>+</sup>17, EAB<sup>+</sup>20, LBD<sup>+</sup>22, LCWJI<sup>+</sup>19, RHD<sup>+</sup>18, RBH<sup>+</sup>20, Smi01, BFL<sup>+</sup>20, BFA<sup>+</sup>08, ELP13, Har06, HWCT11, HAM<sup>+</sup>15, Lin16, OBH<sup>+</sup>19, Pra04, SBL<sup>+</sup>18]. **Understood** [HB19, HBV19, HBVG20, HBVG22]. **understudied** [CHH<sup>+</sup>22]. **Underwater** [SHY<sup>+</sup>08, ZLOR02, DLF09a, DDB<sup>+</sup>17, KR11, MMY<sup>+</sup>20]. **underway** [CDG00, PNS<sup>+</sup>09]. **undiscovered** [BBG15]. **UNDP** [PH19]. **undulation** [WWL02]. **uneven** [CIMT19]. **unexpected** [HCBL<sup>+</sup>17, KEPZ93, MBH<sup>+</sup>96]. **Unexpectedly** [SA15b]. **Unicellular** [HWP<sup>+</sup>07]. **uniform** [GBJ<sup>+</sup>15]. **unifying** [FO05]. **Unimak** [SRN02]. **Uniporus** [CP18a]. **unique** [DGT14, GAP<sup>+</sup>06]. **United** [SDL22, BRB<sup>+</sup>13, DHS<sup>+</sup>14, PH19]. **unmanned** [KI18, MRE<sup>+</sup>11]. **Unmelted** [Kyt02c]. **unpredictable** [VAMPR<sup>+</sup>17, Wei07]. **Unravelling** [JRG<sup>+</sup>22]. **unsteady** [LS04]. **Unstructured** [TFP<sup>+</sup>16]. **Unusual** [Hec94, ULH<sup>+</sup>21]. **Unusually** [DFJ18, LJHAA19, LRN<sup>+</sup>14, HH20, MBB<sup>+</sup>02]. **unvarying** [DN97]. **update** [MDC<sup>+</sup>10]. **Updated** [TCM<sup>+</sup>22, WSB13]. **upon** [BSN<sup>+</sup>15, HS93, WRS99]. **Upper** [BBA<sup>+</sup>98, BBA<sup>+</sup>01, CSP05, CKH<sup>+</sup>08, FK98, HBK<sup>+</sup>98, LTY<sup>+</sup>03, MWW<sup>+</sup>05, MPH02, SGJ<sup>+</sup>20, ASBM02, ARF<sup>+</sup>13, BFT<sup>+</sup>97, CD95, CCM15, DGP20, DMW<sup>+</sup>07, DGN96, DLF<sup>+</sup>09b, DKI<sup>+</sup>00, DI00, DGB<sup>+</sup>98, DEK<sup>+</sup>08, ERR97, FWR<sup>+</sup>02, GSM<sup>+</sup>20, HBR11, HLNO96, KWF<sup>+</sup>19, KMSM11, KxF22, KSB<sup>+</sup>03, KLKB95, LJBF00, LHX<sup>+</sup>22, LSC02, LN01, LKK<sup>+</sup>95, MLS01, MBB<sup>+</sup>02, MV01, MNR<sup>+</sup>11, MNPT06, MC13, NL11, NRM<sup>+</sup>99, OPB15, PLRV22, PAR<sup>+</sup>08, PBGCD<sup>+</sup>13, PFW<sup>+</sup>09, PBN10, PSWF19, PNC<sup>+</sup>06, PRSS23, RPB02, RMC<sup>+</sup>93, RBS<sup>+</sup>17b, SSSC19, ST13, SDLZ13, TBB<sup>+</sup>14, TWC<sup>+</sup>07, WFR<sup>+</sup>02, WWH97, WF99, WGG98, WTSP07, Zon97, SKC99]. **upper-layer** [DKI<sup>+</sup>00, DI00]. **Upper-ocean** [CSP05, HBK<sup>+</sup>98, LTY<sup>+</sup>03, DMW<sup>+</sup>07, DLF<sup>+</sup>09b, FWR<sup>+</sup>02, KxF22, LJBF00, MNR<sup>+</sup>11, MNPT06, NL11, RBS<sup>+</sup>17b, WFR<sup>+</sup>02, WF99]. **Upslope** [Zim09]. **Uptake** [DJR<sup>+</sup>01, GGO<sup>+</sup>14, BNM<sup>+</sup>07, BDNS03, BOP95, CHM<sup>+</sup>17, COJ<sup>+</sup>09, CB01, DRBM97, FBCN00, HTA<sup>+</sup>17, JHS<sup>+</sup>17, KIIW03, KNB11, KNC<sup>+</sup>09, LJL<sup>+</sup>17, LSS<sup>+</sup>07, NSvH<sup>+</sup>11, PWD<sup>+</sup>11, RWR<sup>+</sup>02, RWJ06, RGS<sup>+</sup>97, RCF<sup>+</sup>16, RN96, SH99c, SYS05, TLKT00, TWPP07, WPG<sup>+</sup>07, WCY05, WWN<sup>+</sup>02, WWW<sup>+</sup>02, ZHB<sup>+</sup>07]. **Upward** [GHD<sup>+</sup>18, HVBO08]. **upward-looking** [HVBO08]. **upwelled** [HKM00, MMHB98, VLK06, WLD<sup>+</sup>06]. **Upwelling**



[FMH<sup>+02</sup>, RN06, AST<sup>+05</sup>, ADBU18, BN97, BPS00, BGWF08, BLD<sup>+06</sup>, BFF<sup>+10</sup>, BBV00, CCG04, CDP<sup>+02</sup>, CSW<sup>+18</sup>, CB00b, CDJM04, DH97, DDL06, DVCG<sup>+12</sup>, DRVVS<sup>+14</sup>, DWW<sup>+02</sup>, DBC<sup>+02</sup>, DWHM06, DDB<sup>+97</sup>, EDF<sup>+04</sup>, EHK09, FGU04, FWR<sup>+02</sup>, Fon96, GWL<sup>+15</sup>, GBP00, HCL<sup>+22</sup>, HSR<sup>+23</sup>, HEV<sup>+10</sup>, HZK04, HS93, JCPC09, KC03, KKK<sup>+17</sup>, KGB06, LWDH06, LPM<sup>+19</sup>, LPPK14, MAA<sup>+04</sup>, MAA<sup>+05</sup>, MKVT<sup>+04</sup>, NSH<sup>+10</sup>, OG11, OCP18, OC00, PCT18, PBS06, PWD<sup>+11</sup>, PPL<sup>+19</sup>, PLHMA06, RHI00, RAL04, RGL<sup>+06a</sup>, RMK<sup>+14</sup>, SGD<sup>+14a</sup>, SCGDU09, SRC98, SZH<sup>+04</sup>, SPF10, SSW05, SMBM00, SBB06, SPB<sup>+14</sup>, SVS<sup>+20</sup>, SCPP05, STS11, Thu98, VSGGPR14, WMB<sup>+08</sup>, vGTG<sup>+00</sup>, vRPD<sup>+18</sup>].

**upwelling-influenced** [DRVVS<sup>+14</sup>]. **Urania** [ABG<sup>+20</sup>]. **Uranium** [AFM93]. **Uranium-series** [AFM93]. **urchin** [BSH<sup>+11</sup>, GIPLL<sup>+14</sup>]. **urchins** [BVL04, PP13, PL04, SLS17]. **urea** [CHG15, TLKT00]. **Uria** [KIM08, WTI<sup>+20</sup>]. **urine** [DRR<sup>+14</sup>]. **ursinus** [CRJ<sup>+08</sup>]. **Uruguay** [RDdL<sup>+13</sup>]. **Uruguayan** [RSCFT<sup>+16</sup>, RSCFT<sup>+13</sup>]. **US-GEOTRACES** [SML15]. **USA** [ASBM02, TBA<sup>+02</sup>, BMH05, BR14, BWH<sup>+17</sup>, DDL06, DLKP14, FPS10, GKQ<sup>+05</sup>, LLK05, MBB<sup>+02</sup>, MC18a, PCF<sup>+18</sup>, SSV02, WKM<sup>+07a</sup>]. **Use** [NLY<sup>+13</sup>, Thi01, AWL<sup>+09</sup>, AD08, BFDB17, BCN<sup>+17</sup>, BLS<sup>+97</sup>, BCF<sup>+04</sup>, CLQ<sup>+18</sup>, CWE<sup>+17</sup>, DHS<sup>+14</sup>, FGB10, GAC<sup>+02</sup>, HWN<sup>+04</sup>, HCRX16, HON<sup>+13</sup>, Joh19, KM05a, KI18, MPF<sup>+17</sup>, OMAA18, PHE<sup>+18</sup>, PNVJ13, RG13, RCM<sup>+17</sup>, SGD<sup>+14a</sup>, SID19, SVJ<sup>+08</sup>, SFH<sup>+18</sup>, SCGB18, SSB<sup>+06</sup>, SBG<sup>+06</sup>, TMH<sup>+08</sup>, VMGO<sup>+09</sup>, XSL<sup>+17</sup>, YZ00]. **used** [DTWW17, DTWW21, KBR18, OSM<sup>+20</sup>]. **USGT10** [BAC<sup>+15</sup>]. **USGT11** [BAC<sup>+15</sup>]. **Using** [CWEHT22, LNDH<sup>+17</sup>, MBP<sup>+20</sup>, MCH<sup>+13</sup>, PDA<sup>+17</sup>, PLA<sup>+17</sup>, RLB<sup>+18a</sup>, ŠH11b, TCEW07, ZKSS06, ZRG16, ADBW16, ABE<sup>+11</sup>, AKK<sup>+05</sup>, ADGA01, AGP05, ADG<sup>+08</sup>, AMK<sup>+05</sup>, BES11, BDBB07, BCT21, BDL<sup>+14</sup>, BFH<sup>+23</sup>, BBT<sup>+18</sup>, Car01, CC15, CM99a, COJ<sup>+09</sup>, CLGM05, CG18, CKH<sup>+08</sup>, CWD<sup>+10</sup>, DGP20, DGMS96, DBMI17, DBBWH20, ESK06, EP18, FA03, Fre13, GBC<sup>+13</sup>, GDL22, GGAMV<sup>+23</sup>, GPF16, GdRGLS04, GGP<sup>+14</sup>, HSO04, HSM<sup>+01a</sup>, HPH<sup>+16</sup>, HSR<sup>+22</sup>, HBM<sup>+07</sup>, HZW<sup>+23</sup>, HVBO08, IS07, IFFGL<sup>+04</sup>, Jac95a, JLAD95, JBR<sup>+18</sup>, JDL<sup>+12</sup>, JMM<sup>+13</sup>, KTP<sup>+20a</sup>, KTP<sup>+20b</sup>, KOM17, KG20, KKUK10, KYW20, Kli09, KKD06, LLB<sup>+00</sup>, LDHO<sup>+14</sup>, LPW<sup>+09</sup>, LVP13, LCL<sup>+22</sup>, LL13, MZD<sup>+11</sup>, MGT<sup>+20</sup>, MCSF15, MRE<sup>+11</sup>, MRD13, MXC15, MW05b, Mit96, MYN<sup>+96</sup>, NMW<sup>+09</sup>, NDE14, OM16, OBPY10, PCDM11, Pas18, PBG<sup>+10</sup>, PHD<sup>+18</sup>, PFW<sup>+09</sup>, PDB<sup>+16</sup>, PSP<sup>+09</sup>, PCB<sup>+17</sup>, PR05, PFAZL09, RAS23]. **using** [RD97, RAL<sup>+01</sup>, SMY<sup>+98</sup>, SLS<sup>+07</sup>, SP19a, SYS05, SJL05, SSR96, STP<sup>+16</sup>, SMA01, SHY<sup>+08</sup>, SMSA05, SL11, SCSMT20, SSB<sup>+06</sup>, Thi05, TVLB08, TMGLM19, TBPS22, TPP<sup>+20</sup>, VGD14, WH01b, WDFK<sup>+22</sup>, WCSA<sup>+16</sup>, WTSP07, WLT20, ZNM<sup>+02</sup>]. **utilisation** [CRDP02]. **utility** [SHS<sup>+12</sup>]. **Utilization** [MP99, EHK<sup>+20</sup>, KBLA97, KSBK01, Kem94, MJW<sup>+06</sup>, MBL<sup>+15</sup>, MQACB08, RLP<sup>+98</sup>, RTI<sup>+16</sup>, SMB<sup>+93</sup>]. **UV** [CWWB04, ÖCB<sup>+04</sup>].

## V

[BH03, EBG<sup>+11</sup>, Kli09, PBO<sup>+11</sup>, PDBH03, CP22, CPM<sup>+18</sup>, RAB<sup>+17</sup>, Ste13].

**vagrant** [OCG<sup>+09</sup>]. **Valdez** [ALHP18, EBM<sup>+18</sup>, LMH<sup>+18</sup>, NM18, RP18].

**validation**

[CFZ<sup>+18</sup>, CWS<sup>+23</sup>, GGSC03, HKMS03, PDB<sup>+16</sup>, SABP<sup>+16</sup>, YHL<sup>+12</sup>].

**validity** [BWD20, SLC<sup>+15</sup>]. **vallentini** [HA10]. **Valley** [FR10]. **valleys**

[SBDB09]. **valuable** [ADK<sup>+15</sup>]. **valuation** [Sum19]. **value**

[FRBB13, RG13, JMP<sup>+19</sup>]. **values**

[CHG15, DSBS20, JHHK14, Osc01, SBL<sup>+18</sup>]. **Valvifera** [GMB18].

**Vancouver** [DGN<sup>+17</sup>, HVVWH09, PDC<sup>+99</sup>, SMLP04]. **vaporization**

[GDYW02]. **Variabilities** [CCC<sup>+03</sup>, RMC<sup>+93</sup>]. **Variability**

[ABD<sup>+13</sup>, BCBF03, CSM<sup>+13a</sup>, CFT<sup>+04</sup>, CMAO<sup>+12</sup>, DL04, ESWL20, EBDL08, FWG<sup>+97</sup>, HLZY10, HD07, KSU<sup>+06</sup>, LKL<sup>+13</sup>, LWC05, LRM<sup>+02</sup>, LSA14, LRM07, MDH<sup>+98</sup>, MZH<sup>+10</sup>, MHPS19, MJG<sup>+13</sup>, MBW<sup>+08</sup>, MHVM<sup>+08</sup>, RCW<sup>+15</sup>, SYT<sup>+10</sup>, SS01, SKSW02, TPGCCS<sup>+02</sup>, TMT14, TWPP07, VPSL15, WF99, WWS02, Yu03, ZDBG05, AMJRD19, AML<sup>+19</sup>, ALHP18, AISR<sup>+16</sup>, ÁRR02, AGGdC14, dSVC<sup>+14</sup>, ACK<sup>+14</sup>, Ano95b, Ano96g, AMH<sup>+01</sup>, ATS<sup>+96</sup>, ALR<sup>+14</sup>, ACG19, ALT<sup>+13</sup>, AGJ07, AL13, BCBB12, BG08, BTP<sup>+18</sup>, BL99, BLSW05, BB09, BMK96, Bat01, BRD<sup>+18</sup>, BDWG02, BEC<sup>+96</sup>, BB98, BO96, BSM01b, BKD06, BCS99, BRL<sup>+03</sup>, BL03, BY04, BHSJ16, BDR<sup>+03</sup>, BT04, BT03, BWC<sup>+02</sup>, CCG04, CBBM12, CCP<sup>+18</sup>, CHPF10, CBS<sup>+96</sup>, ILCCC07, CG07, CCS<sup>+16</sup>, CWS05, CVM<sup>+01a</sup>, CM03, CMR<sup>+18</sup>, CPS05, CMW<sup>+08</sup>, CRR01, CKH<sup>+08</sup>, CMJ<sup>+18</sup>, CS19, DSB<sup>+18</sup>].

**variability** [DS21, DDN<sup>+04</sup>, DKN<sup>+97</sup>, DC00, DDL06, DRVVS<sup>+14</sup>, DMS<sup>+98</sup>, DZY<sup>+01</sup>, DLF<sup>+09b</sup>, DTR<sup>+09</sup>, DRS10, DG18, DFMG01, ERR97, ESK<sup>+23</sup>, EBGCL08, ECD<sup>+17</sup>, FGU04, FBC<sup>+02</sup>, FM03b, FCA04, GLCP12, GSMG04, GOD<sup>+01</sup>, GSW<sup>+09</sup>, GLK<sup>+06b</sup>, GGTMG<sup>+10</sup>, GBP21, GHB<sup>+05</sup>, GK02, HXF<sup>+23</sup>, HAH<sup>+01</sup>, HC15, HHH<sup>+14</sup>, HS07, HFM<sup>+02</sup>, HGB<sup>+13</sup>, HGMA<sup>+02</sup>, dITGCAB<sup>+03</sup>, HBR11, HZT<sup>+06</sup>, HZK04, HTW14, HWL06, HXC<sup>+22</sup>, HNCW23, IS07, IIM02, IIM<sup>+09</sup>, ITMG18, JBC<sup>+21</sup>, KHS<sup>+02</sup>, KMLC<sup>+04</sup>, KK19, KAI21, KCD<sup>+96</sup>, KW03, KDMH18, KFH01, KMD<sup>+99</sup>, KIS02, KBE<sup>+04</sup>, KWW04, KN05, LUV99, Lad14, LDV<sup>+02</sup>, LBMvdB14, LSdC<sup>+10</sup>, LCW20, LK02, LK11, LJBF00, LPJ<sup>+16</sup>, LCG03, LCD01, LHM14b, LM13, LSGM02, LIS<sup>+02</sup>, LCT<sup>+07a</sup>, LSHP01, LD07, LSWH07, LBM<sup>+20</sup>, Loh08, LMC<sup>+12</sup>, LBB11, LG15, LSM96, LSOM16, MCL<sup>+19</sup>, MHB<sup>+23</sup>, MHG<sup>+04</sup>, MvSHD01, MDH08, MDTS11a, MRSLM<sup>+19</sup>]. **variability**

[MSI<sup>+08</sup>, MDB98, MPS<sup>+21</sup>, MHB05, MB01, MPH<sup>+22</sup>, MSC04, MAST05, MG13, Men23, MHA<sup>+15</sup>, MMH<sup>+08</sup>, MRD13, MiSW08, MFG<sup>+04</sup>, MMC11a, MTMK<sup>+13</sup>, MMMC07, MBC<sup>+20</sup>, MMM<sup>+00</sup>, MSBS01, NGM<sup>+20</sup>, NKF<sup>+10</sup>, NBB<sup>+02</sup>, NR06, NLSL09, NBSM01, NDD<sup>+14</sup>, NPF<sup>+09</sup>, NESB<sup>+15</sup>, ONSSVGR04, OHS10, OGRdO18, OWD13, OGG<sup>+20</sup>, PF02, PH17, PS23, PKR<sup>+01</sup>, PvRR18, PP95, PH96, PFC19, PK03, PNL<sup>+19</sup>, PAM<sup>+14</sup>, PRP15, PKA05, PLHMA06, PSWF19, Pri06, QLU09, RBMY02, ROPB03, RKTG14, RMA<sup>+20</sup>, RJB<sup>+04</sup>, RSW<sup>+13</sup>, RBO07, RJGBF02, RDG<sup>+95</sup>, RHM13,

RMBG11, SLC+20, SMLP04, SSH+02, SVJRSON04, SP19a, SMB+13, SPSM23, SiSA+02, SH00, SHB02, SdRvLR03, SHA02, SLM+20, SZH+04, SFG98, SW01, SGW+15, SET+09, SLB13a, SGB+08, SHFM01, SM03, SMS03, SP00, SPB+10, SCB+16, SPH+03, SKM+08, SM20, SMSI08, SMGB02, SMGB03, SJ00, STS11, TSS+21]. **variability** [TWA+12, THJ+05, TCM+04, TSWJ12, TM22, TKF07, TLP+19, TMW+05, TCH+16, UIS+03, UY04, VH99, VNBW18, VCDAL14, WHF+19, WCMB06, WAT12, Wei15, WDR05, WPW95, WMC06, WGST08, WSFB02, WSB13, WWC+99, YCD+06, YKS+19, YSMW05, YAS+93, YXZ+22, ZPT+13, ZXLL10, bsBD+20, vGFGS02]. **variabilty** [SMS+08]. **Variable** [ASF+12, BS05, BS06, BLD+06, CBV+16, JGM09, LGF03, LAPL+16, RSS01, SVS+20, ZG15]. **variables** [AST+05, ANS+11, AMTE09, CH24, DGR19, IBK+11, JRGLJ+19, OB22a, RLB+18a, SCD14, SRC98, UY04, XSM+19, ZFP+16, dLC+14]. **variants** [XSL+17]. **Variation** [BCB+18, GFS15, HKN+04, HTM+03, KMOM19, LWW+15, MDJS11, SNS+16, ADE22, AELP14, BN97, BFC+06, BLBW+11, BL00, CSGC03a, CJF+12, CSS+22a, CRBK03, CKL03, DKT+01, DPS+11, FRBB10, GBH+17, GWWL03, GKR+18, HSSN08, HRK14, INTS02, JC03, JYM+15, JKP+17, JLJ+12, LCL+10, MHS01, Man94, MMID17, MMS+19, MC18b, MLR07, MPF+17, MHSV18, MCG+98, MMG98, ONRW10, OYK15, OB22a, PPNY15, PDC+21, RWL+93, SHI06, SNH+23, SGC03, SSK+05, SSK+07, SAB08, TRB98, VSV+97, WGMC14, YQMB20, ZZX+13]. **variational** [FM03c, SJL05]. **Variations** [ABC+04, BFH+11, CFL+16, EFR+19, KR95, KRHS20, NMW+09, SLH+00, WCS07, WSP19, ZCG+12, ZZZ+16, ALWW04, BRJM18, BMH05, BH19a, BCM02, BHHM+12, CD95, CH24, CLC+03, CLL+03, CGR+96, CSS+02, DW15a, DEJ08, DN97, DHM+22, DSG+09b, DFK+06, DO96, EHL02, EGL+16, FBL+98, FGW02, FDM+97, HP98, HLL+10, HMW00, HK01, Hei02, HPY+15, HBC+12, HF21, Ike03, IKR+12, IPTH03, JRG+22, JZX10, KL03, KS10, LBD+02, LT16, LDWK96, bLHsL+13, LH07, LZZ+16, MZD+11, MT15, MC02, MBMM+99, MDTS08, MV99, MSC+19, MCJ+99, MPS+03, NI10, NOFP14, OENB01, PDA+20, PVK+20, PG07, PDA+17, PLA+17, PRB+11, RRMM05, RAR04, RP05, SSI+99, SVR+00, SRY04, SF04, SFW08, SBD+97, SSP+06, SBN+15, SFB19, SGP+11, TS93, TWC+07, TNIW02, VABCR+24, VLP+17, WFA+95, WMM02, YOK+10, ZDWR95]. **variations** [ZHY+13, ZLW+19, vRPD+18]. **Varied** [MKW11]. **vary** [BvGH+17, WAN+15]. **varying** [BN05, Blu93, BMH+94, Dal04, DBS98, HPS+13, HSFN13, LK98]. **vascular** [YERT13]. **vast** [RMPI+17]. **Vaughan** [WF13]. **vectors** [Ark13]. **veering** [NR00]. **Vehicle** [MCH+13, CSW+18, DDB+17, DBBWH20, HSM11, KI18, LAJP13, MRE+11]. **vehicles** [KR11]. **velocities** [BB03, ESA+09, RN06, SJ00, SS13b, VABCR+24, XA09]. **velocity** [APLW09, Fre13, Har96, HVBO08, LPW+09, RPS+11, SWCB02, SCM+09,

TSDG13, VT09, WLP+09]. **VEMA** [BBT+18, BFB+18, CP18b, DAB+18, GLMB18, LS18, RKB18, SLB18, SWL+18, ZV13]. **Vema-TRANSIT** [CP18b, RKB18]. **veneficum** [DLG+14]. **Venezuela** [MTMK+13]. **vent** [CSE+22, GFS15, HRS+23, HSZS17, KB15, KEA+17, LDSV98, MG22, MCB+15, MFS+23, MTDK98, MMM+13, Phi17, PPFS17, SBM+13, Sot09, ULH+21, ZJFV15]. **ventilation** [CMAO+12, MW05b, PRJW05, PGK15, PRB+11, SvdLM95, THJ+17, YCYK10, vCHM18]. **venting** [Bak98, BT15, MS18]. **vents** [Ala22, BBG15, EMV09, KCD+17, KM98, MTB09, MCH+13, MKD23, MMG98, NCK+22, OGG+15, PZL+09, RDV+09, SSK+23, SFV+98, TTD13, VB98]. **Verification** [ZDO19]. **Vernal** [BLdM+02, LMDW06, OT10]. **versus** [BTUV08, FHW06, RLP+98, SHF+95, TSWJ12]. **vertebrate** [FG07]. **vertebrates** [Pon07]. **VERTICAL** [BTS+08, AAMF+02, AKH+02, Bla94, CW15, FPLB+08, FGF+14, Fre13, FSGV+09, GSB+23, GGTMG+10, HA10, Har96, ISB+11, JYM+15, KMKA20, KOT+20, LCR+96, MDTS11b, NAB+02, NED09, OB22b, PHS03, RRWR08, RWRS08, SSDA13, SM20, SMGB02, SMGB03, SHY+08, SESS08, SPH+08, TR02, TS10, TKP+20, Uys06, WZZ+19, WLZ+19, WAN+15, Wit00, YMC+22, YSHS08, AVS+20, ASFI02, BFDB17, BFL00, BASLK04, CD95, CLC+20, CSP05, CDH+00, CMB02, CP05, DPS+14, DSvR+18, DB02, FGH+13a, GGF+08, GMK+08, GSGS01, HCBP97, HHH01, HH93, HHD+09, KFF+94, KL03, KH10, Lar04, LML+01, LSM+06b, LS10, LYL22, LDX+23, LOFC00, MMY+20, MRRG23, MR01, MPH+05, MLP+10, MNN10, MDM+13, MBK97, MBM+00, Mun14, Mun16, MSBS01, NMC+07, PFDG08, PWMC01, PFW+09, PTD+14, PBN10, PC98, PVT+21, RA98, RMA+20, RNP93]. **vertical** [RN06, SZV+19, SGM+02, SAM96, TRH+08, TPW07, TBT05, Uml05, WDD+22, WAL+11, WW04b, YOK+10, YTF02, YXC+19, YO96, ZD04, TBB+08]. **Vertically** [SS13b]. **VERTIGO** [BL08, TBB+08, EBB+08, BGS+08, BTS+08, LBL08]. **very** [PMLM+02]. **vesicomylid** [DZL+17]. **Vesicomylidae** [LVJC17, BBAL+20, KKVP15, vCO09]. **Vesicomylinae** [KKVP15]. **vessel** [ZNM+02]. **vestmentiferan** [BTM+98]. **vestmentiferans** [MHC+10]. **Vetigastropoda** [FHK18]. **VI** [DZ08, VMF+16]. **via** [AGN+02, BEB+13, CHN+18, GLK+06a, SVS+20, SDLZ13, WJS+10]. **viability** [VCM+14]. **Viable** [CLT94, TIS+13]. **vicinity** [BJK+22, DHST13, FWP+07, FSK+02, FPGH02, GFPM02, HKN+04, HPM02, KRS+11, LTW+22, LPSS03, MAN+20, MiSW08, MPTW11, NGM+05, PC08, PSF+07, RT20, RHZ+03, SLMP07, SLB13b, TS03, VTD+20, VHT+20, ZZP04, ZHB+07]. **Victoria** [LCVV06, MCCM+98]. **Video** [BL06, DGMS96, SHY+08, BBS+20, CGG+19, DFMW13, DDB+17, LAJP13, MMY+20, Mah16, NKE11, NDE14, SBS+08, TGU+06, ADGA01, AGP05, ADG+08, BDW+96, BWS+98]. **video-recorded** [DFMW13]. **video-spatial** [BBS+20]. **videography** [MCH+13]. **Vietnam** [NCT13]. **Vietnamese** [TAMTC+13]. **View**

[Ano06c, BW14, PPR02, PGC<sup>+</sup>11, RPH<sup>+</sup>06, RGL06b, STM04a, STM04b].  
**viewing** [STM04a, STM04b]. **Views** [STM04a, STM04b, CB09a, TSWJ12].  
**vigorous** [ROBV<sup>+</sup>18]. **village** [Col16]. **villosus**  
 [ASF<sup>+</sup>16, LSWH07, ODR<sup>+</sup>09]. **Vinciguerria** [GGAMV<sup>+</sup>23]. **Viral**  
 [BFML<sup>+</sup>08, GBVG<sup>+</sup>02, MNB02, DCL<sup>+</sup>09, JBS<sup>+</sup>98]. **virally** [BTUV08]. **virio**  
 [HCL<sup>+</sup>22]. **virio-** [HCL<sup>+</sup>22]. **Virioplankton** [BTUV08]. **Virus**  
 [WTZ02, HKN<sup>+</sup>09, MNB02]. **viruses** [Kel10, PvRR18]. **Visayan**  
 [BRCFP23]. **viscosity** [SLS<sup>+</sup>10]. **viscous** [SBB<sup>+</sup>05, Web19]. **visible** [BW93].  
**visits** [GBB<sup>+</sup>17]. **visual** [MSM10, OCKA<sup>+</sup>11]. **visualization**  
 [DGMS96, GWP<sup>+</sup>98a]. **vital** [RAF<sup>+</sup>14a, RAF<sup>+</sup>14b]. **vitrea** [PBG07]. **vitro**  
 [BGH99, RJWD01]. **Vityaz** [BM15, EMG<sup>+</sup>15]. **vivo** [DN97]. **vocalizing**  
 [MT98]. **Vol** [PNLF02, PNLFS03]. **volatile** [ABC<sup>+</sup>04]. **volcanic**  
 [CR06, FD98, GSB<sup>+</sup>03, IAC<sup>+</sup>03, RVC<sup>+</sup>13b, SKS<sup>+</sup>16, WH98]. **volcanism**  
 [DLHH11]. **Volcano** [CSE<sup>+</sup>22, MG22, MTB09, MS18, RKM<sup>+</sup>23b, BEZ<sup>+</sup>22,  
 IAC<sup>+</sup>03, KBW<sup>+</sup>11, MWK<sup>+</sup>18, MFS<sup>+</sup>23, PPR<sup>+</sup>20a, SKS<sup>+</sup>23, HRS<sup>+</sup>23].  
**volcanoes** [CSG<sup>+</sup>15, GPBV<sup>+</sup>07, TTD13]. **Volcanologists** [RKM23a].  
**Volume** [AS01b, Ano95g, DCN<sup>+</sup>02, DB16, GSF<sup>+</sup>20, HS13, HB19, LLK<sup>+</sup>16,  
 LS14b, PNLFS02, VNA<sup>+</sup>16, VGZ<sup>+</sup>19, VCG<sup>+</sup>20, Ano96c, Ano97b, Ano01a,  
 BC03, BKY<sup>+</sup>17, DGA<sup>+</sup>11, FL04, GSF<sup>+</sup>19, GHS09, Har11, HWP<sup>+</sup>11, Hol96,  
 HBV19, HBVG20, HBVG22, JC03, KD13, Kro05, OBH<sup>+</sup>19, SSV02, SD08,  
 WMS<sup>+</sup>96, YZ00]. **Voracious** [MBH<sup>+</sup>96]. **vortical** [Hol06]. **vorticity**  
 [OWD13]. **voyages** [TBB<sup>+</sup>08]. **vs**  
 [Che02, Che03, ETP<sup>+</sup>16, HCHD09, PF02, SBR<sup>+</sup>97, VCM<sup>+</sup>14]. **Vth**  
 [HBBD03, PS03, HB03]. **Vulcanellidae** [SKS<sup>+</sup>23]. **Vulnerability**  
 [BJF16, LFKF<sup>+</sup>17, DTR<sup>+</sup>09]. **vulnerable**  
 [AH17, DWG<sup>+</sup>15, FPB<sup>+</sup>14, VGD14].

**W** [Goe02, MWB<sup>+</sup>09, PWD<sup>+</sup>11, AF01, BK96a, BPD<sup>+</sup>11, BKD06, Bol08,  
 BZvHH00, BL01b, BBA<sup>+</sup>01, BBD<sup>+</sup>03, CMT93, CGR<sup>+</sup>96, CWTJ03, DURP03,  
 DMJ93, DJR<sup>+</sup>01, DNA97, FDM<sup>+</sup>97, FG97, GG93, HM93, HFM<sup>+</sup>00, ILWH03,  
 IF95, JPM99, KF95, KR95, KRB95, KEPZ93, LKC96, LSB<sup>+</sup>02, LBB95,  
 LDFS93, LFHM97, LKK<sup>+</sup>95, MH93, MGNB96, MAB<sup>+</sup>01, MGC<sup>+</sup>01,  
 NPF<sup>+</sup>09, PWD<sup>+</sup>11, PH96, Pfa93, PGS14, PDB<sup>+</sup>20, RWL<sup>+</sup>93, RW95,  
 RDG<sup>+</sup>95, SLT<sup>+</sup>11, TCJ<sup>+</sup>11, VSSN96, VPS97, WZW<sup>+</sup>95, ZBvH<sup>+</sup>00, ZSB01].  
**W-140°** [PWD<sup>+</sup>11]. **Wadleigh** [Ano06a]. **Waisiuconcha** [BBAL<sup>+</sup>20]. **wake**  
 [THJ<sup>+</sup>05]. **Wales** [OG11]. **Wallaby** [BNKJ23]. **walled**  
 [HdVGHM02, ZB00, dSG09a]. **Walleye**  
 [WWN<sup>+</sup>22, BCBB12, Blo02, BOKA16, CBSS02, DABF<sup>+</sup>16, EZB<sup>+</sup>20,  
 EBG<sup>+</sup>22, EMB<sup>+</sup>22, GEP<sup>+</sup>16, GBP21, HPH<sup>+</sup>16, MES<sup>+</sup>23, MZH16, PHH<sup>+</sup>16,  
 SHN<sup>+</sup>07, SHM13, SNS<sup>+</sup>16, SDAH<sup>+</sup>12, SSDA13, SCD<sup>+</sup>22, SHPM14]. **walls**  
 [PZL<sup>+</sup>09]. **walrus** [HNB<sup>+</sup>13, YBC<sup>+</sup>17]. **walruses** [KR07]. **Walter** [BLS05].  
**Walters** [DNR20, MGT<sup>+</sup>20]. **wane** [BCBF03]. **Ward** [Eif05]. **warfare**  
 [BSSE16, KSDE16]. **Warm** [NSH<sup>+</sup>10, ASF<sup>+</sup>16, BSG<sup>+</sup>11, Bre93, CCC<sup>+</sup>23,  
 DGR19, Dri09, FM03a, FHAH16, GOGCDB18, HHX<sup>+</sup>10, IIM<sup>+</sup>09, KNG02,

KIY<sup>+05</sup>, KHL<sup>+17</sup>, LJHAA19, LBD<sup>+02</sup>, LZC<sup>+16</sup>, LZZ<sup>+16</sup>, MFFM03, MST<sup>+14</sup>, OWW<sup>+12</sup>, ROC<sup>+21</sup>, RSC07, RYT01, SYT<sup>+10</sup>, SSK<sup>+05</sup>, SSK<sup>+07</sup>, SKM<sup>+12</sup>, SKW07, SNK07, TNT<sup>+15</sup>, ZDBG05, BLG15]. **warm-** [SKW07]. **warm-core** [BSG<sup>+11</sup>, FM03a, MFFM03, RYT01, TNT<sup>+15</sup>]. **warm/fresh** [IIM<sup>+09</sup>]. **Warming** [FHR<sup>+11</sup>, AHV<sup>+17</sup>, CSS<sup>+22a</sup>, DAA<sup>+20</sup>, EHK<sup>+20</sup>, FMC<sup>+20</sup>, GBJ<sup>+15</sup>, HNW<sup>+08</sup>, HK19, HV03, KCL20, LWJR22, MAH<sup>+12</sup>, SBM<sup>+18</sup>, SBS07, VAT23, XWZ24]. **Was** [Qua97, OIJ<sup>+19</sup>]. **Washington** [PCF<sup>+18</sup>, SMLP04]. **washingtonia** [TMBTS09]. **wastes** [KB95]. **wasting** [CRD<sup>+17</sup>]. **Water** [AKBD13, ACSG15, ADAM02, BCI02, BFH<sup>+11</sup>, BSZ99, BRSIW95, Cor10, DSK<sup>+13</sup>, DFF02, DKS11, DFK<sup>+06</sup>, EPPR09, GZGH22, GMS<sup>+02</sup>, GLDCA<sup>+06</sup>, GCR<sup>+02</sup>, HF01, JSBC15, JTDG13, KQ02, KD13, KHB<sup>+04</sup>, LKD<sup>+15</sup>, LGQ99, LLM<sup>+03</sup>, MBT97, NRBO<sup>+05</sup>, OWD13, PHOM09, PMM<sup>+94</sup>, QNL<sup>+16</sup>, RAF<sup>+11</sup>, SC10, SH99b, SMB02, SP19b, SRF09b, SK02, TGLN93, VPK<sup>+19</sup>, You99, You10, YCYK10, ZGGF22, Ala13, ACPV04, AAG19, AHVB<sup>+17</sup>, AL13, BN05, BCBB12, BOC18, BMP<sup>+09</sup>, BSK<sup>+97</sup>, BCBF03, BCN<sup>+17</sup>, BM17, BFT10, BFT<sup>+97</sup>, BDL<sup>+14</sup>, BW99a, BRW00, BY04, BL04, BBB<sup>+11a</sup>, BSSE16, BAKF03, BR14, BWH<sup>+17</sup>, BBW<sup>+15</sup>, BAC<sup>+02</sup>, BLSS10, BT15, CP13, CBCT09, CB16, CPF<sup>+14</sup>, CFT<sup>+04</sup>, CMAO<sup>+12</sup>, CMBPM04, CA06b, ÇYFB<sup>+06</sup>, ÇYAYT06, CMA<sup>+09</sup>, Cok16, CCM15, CJ19, CKS05, CRM<sup>+16</sup>, CJF<sup>+12</sup>, CMB02, CMVS<sup>+10</sup>, CG15, CNM17, CP05].

**water** [CPEN08, Cra05, CAGLV<sup>+06</sup>, Cri95, CMPB18, DMS<sup>+10</sup>, DCC<sup>+17</sup>, DLG<sup>+14</sup>, DEL<sup>+17</sup>, Dau18, DGT<sup>+17a</sup>, DRRBC16, DC12, DSO<sup>+97</sup>, Di 10, DGB<sup>+98</sup>, ETP<sup>+16</sup>, EFW<sup>+14</sup>, ESL<sup>+10</sup>, EP18, EMW<sup>+08</sup>, FBP<sup>+17</sup>, FHR<sup>+11</sup>, FDP<sup>+14</sup>, FCA04, FGH<sup>+13b</sup>, FKH13, FA02, GRS00, GDYW02, GS08, GPCC<sup>+17</sup>, GP16, GQ09, GHG<sup>+04</sup>, GGO<sup>+14</sup>, GRSW00, Gre08, GC18, GOC09, GSK96, HKR<sup>+01</sup>, HSS<sup>+18</sup>, HHH<sup>+15</sup>, HDD<sup>+11</sup>, HDF<sup>+01</sup>, HKSV11, HWK<sup>+14</sup>, Hen19, HMLS<sup>+06</sup>, HZK<sup>+05</sup>, HYK<sup>+02</sup>, HAP03, HHH<sup>+22</sup>, HLNO96, HSY08, HFP94, HSD04, HWS<sup>+07</sup>, HMSMK04, HCRX16, HHR<sup>+08</sup>, HBK<sup>+98</sup>, IBD10, IIM<sup>+09</sup>, JB01, JKB04, JBJ17, JCP<sup>+22</sup>, JASS02, KM05b, KWF<sup>+19</sup>, KNK15, KCTG16, KDMH18, KSH12, KBSS93, KS10, KMLT06, KFS<sup>+10</sup>, KL96c, KBFH14, KHL<sup>+17</sup>, LMM<sup>+17</sup>, LG09, LPdR<sup>+14</sup>, Las93, LDBvdB17, LMA08, LDBS<sup>+17</sup>, LZC<sup>+16</sup>, LWC05, LHZ<sup>+16</sup>, LLM<sup>+17</sup>, Lin04, LGR<sup>+14</sup>, LSC02, LM96]. **water** [LPM<sup>+15</sup>, LAT<sup>+18</sup>, MWS<sup>+15</sup>, MTR<sup>+10</sup>, MRB<sup>+14</sup>, Mar18, MMS<sup>+16</sup>, Mar13, Mar19, Mas01, MA05, MDM<sup>+13</sup>, MFN<sup>+02</sup>, MKB<sup>+10</sup>, Men23, MBD<sup>+17</sup>, MSV<sup>+17</sup>, MGC<sup>+14</sup>, MKH<sup>+05</sup>, MTM<sup>+13</sup>, MBMGK08, MST<sup>+14</sup>, MSA<sup>+14</sup>, NGS<sup>+20</sup>, NSKG96, NOFP14, NFD<sup>+02</sup>, NRS14, OHK<sup>+02</sup>, OACA19, OM02, OGC09, OGG<sup>+20</sup>, Pap05a, PBG07, PL04, Pee97, PFW<sup>+09</sup>, PPRHLF02, PWP<sup>+05</sup>, PMM<sup>+16</sup>, PNL<sup>+19</sup>, PE17, PFC09, PSE<sup>+93</sup>, PFG<sup>+03</sup>, PLS<sup>+03</sup>, PGK15, PFAZL09, RRL<sup>+14</sup>, RSR<sup>+19</sup>, RVC<sup>+13a</sup>, RLVF02, RTC06, RTFB09, RMCAR06, ROC<sup>+21</sup>, RKHK<sup>+11</sup>, RGHN<sup>+97</sup>, RG03, RS15, RSC07, RVD<sup>+10</sup>, RKS<sup>+95</sup>, RYT01, SLC<sup>+20</sup>, SGPD<sup>+14</sup>, SSWM18, SHB02, SvdLM95, SSUB15, SF04, SSL98, SFG98, SKdS<sup>+14</sup>, SHFM01, SBM<sup>+13</sup>, SHM<sup>+07</sup>, SBA<sup>+20</sup>,

SABP<sup>+16</sup>, SKGD14, SSR<sup>+14</sup>, SSC<sup>+00</sup>, Ste13, SDGH14, SBS<sup>+02</sup>, SLB<sup>+16</sup>, SGP<sup>+11</sup>, SKM<sup>+14b</sup>, SAL95, TRM<sup>+07</sup>, TGRB02, TGA<sup>+09</sup>, TAC<sup>+17</sup>, TH99, TMTR14]. **water** [VVTM97, VK04, VKM13, VSR<sup>+10</sup>, VFFM13, VM01, VCO<sup>+15</sup>, WHL<sup>+97</sup>, WTS08, WFA<sup>+95</sup>, WCL<sup>+15a</sup>, WST15, WWH97, WF99, WGST08, WSFB02, WCJ97, XZM<sup>+23</sup>, YNG<sup>+16</sup>, YKS<sup>+19</sup>, YBRT17, YCYTKB06, YLBdR03, ZWK<sup>+15</sup>, Zon97, vBBR<sup>+08</sup>, ADS<sup>+02</sup>, ACH02, BCI02, BBR<sup>+96</sup>, BLB<sup>+02</sup>, BLdM<sup>+02</sup>, BLG11, FS05, GHM02, HdVGHM02, HWM02, HFK<sup>+02</sup>, HD02, IBB<sup>+02</sup>, JCF<sup>+06a</sup>, KH02, KKH<sup>+02</sup>, KLM<sup>+02</sup>, KLM13, LB93, LLM<sup>+02</sup>, MLG<sup>+02</sup>, MNB02, MYE<sup>+02</sup>, OHK<sup>+02</sup>, PG97, RFF<sup>+02</sup>, SSH<sup>+02</sup>, SRF09b, Spa99, SGL99, TGFP02]. **water-based** [PFAZL09]. **Water-column** [ADAM02, DFK<sup>+06</sup>, BT15, CPEN08, GQ09, RTC06, RTFB09]. **water-leaving** [BY04]. **Water-mass** [KHB<sup>+04</sup>, YCYK10, KM05b]. **water-sediment** [RGHN<sup>+97</sup>]. **watercolumn** [BCWT00]. **Watermass** [PPB<sup>+22</sup>, SGA<sup>+15</sup>]. **Waters** [SJA<sup>+97</sup>, WWcW<sup>+15</sup>, ATD<sup>+11</sup>, ABG<sup>+20</sup>, ATJ05, Ake19, ADBU18, ACV<sup>+01</sup>, ABKL96, AL14, ASH<sup>+11</sup>, AHK99, BDB97, BTP<sup>+18</sup>, BCM02, BPF<sup>+03</sup>, BD02, BSSK<sup>+08</sup>, BPBJ13, BPD<sup>+15</sup>, BMK09, BL01b, BBB13, CBG02, CHM<sup>+17</sup>, CKFC18, CMW<sup>+05</sup>, CFL<sup>+16</sup>, CKH<sup>+08</sup>, CWdE99, DMC<sup>+17</sup>, DHW98, DCD<sup>+14</sup>, DLW<sup>+17</sup>, DKJ13, DSJ<sup>+11</sup>, FPLB<sup>+08</sup>, FCG18, Fig02, GBG15, GGM<sup>+16</sup>, GVD<sup>+97</sup>, GF97, GBVG<sup>+02</sup>, GZZC10, Had11, HWTP07, HSO04, HA03, HM06, HKM00, HLS<sup>+02</sup>, HYMD11, HHNK<sup>+04</sup>, HHKH<sup>+04</sup>, IKR<sup>+12</sup>, IPTH03, JRG<sup>+22</sup>, JCM<sup>+13</sup>, KAI21, KL06, KMSM11, KL96b, KR95, KSU<sup>+06</sup>, KMA<sup>+18</sup>, KN97, KTF07, KTP<sup>+05b</sup>, LAÁ<sup>+14</sup>, LPA<sup>+17</sup>, LAB<sup>+17</sup>, LSS<sup>+11</sup>, LJL<sup>+12</sup>, LGO08, LZC<sup>+16</sup>, LLG<sup>+16</sup>, LRM<sup>+02</sup>, LCR<sup>+96</sup>, LGB13, LSM96, MN10, MSRM14, MMHB98, Mar18, MLS01, MCM<sup>+14</sup>, MAK<sup>+16</sup>, MV99, MV01, MBS<sup>+13</sup>, MTD<sup>+18</sup>, Met09, MYL<sup>+98</sup>, MDGF01, NSKG96, NCR<sup>+08</sup>]. **waters** [ÑB04, NMC<sup>+07</sup>, OA11, OW09, PWTH15, PW15, PRC<sup>+09</sup>, Pap05b, PvRR18, PAVGBG02, PHS<sup>+11b</sup>, Pin93, PJ99, PDG<sup>+03</sup>, PdBK<sup>+03</sup>, PRB<sup>+11</sup>, RAT<sup>+13</sup>, RBJW16, RVGF02, SMLP04, SWR<sup>+95</sup>, SCM<sup>+02</sup>, SMB<sup>+93</sup>, SSP14, SLDL93, SSV02, SHH03, SPEPS18, SGA97, SBN<sup>+15</sup>, SVKT20, SGD14b, SSJ<sup>+22</sup>, SAM96, SDLZ13, SB05, TAMTC<sup>+13</sup>, TMH<sup>+08</sup>, TAB<sup>+02</sup>, TB98, TLR<sup>+00</sup>, TLP<sup>+12</sup>, TS10, TRHA01, TDC08, TNBL95, TWPP07, VLK06, VSM17, VMB17, VMGO<sup>+09</sup>, VPS97, WKM<sup>+07a</sup>, WCY05, WS11, WCB98, WYW<sup>+02</sup>, YCN<sup>+10</sup>, YHC<sup>+11</sup>, ZHD<sup>+08</sup>, ZWM12, ZWK<sup>+15</sup>, ZDA<sup>+16</sup>, ZRG16, dLC<sup>+14</sup>, dSSB<sup>+01</sup>, vdLCS<sup>+11</sup>, LSGM02, WKLM15]. **wave** [BOHW22, ERR97, Hen19, JMW<sup>+20</sup>, Joh96, KWT<sup>+16</sup>, MS06b, Pal19, Pap05b, PP20, SDL22, SHA04, SBB<sup>+05</sup>, SFD04, WDFK<sup>+22</sup>, WZZ<sup>+23</sup>, Web19, WCK<sup>+18</sup>, WP17]. **wave-current** [PP20]. **wave-dependent** [SDL22]. **wave-induced** [KWT<sup>+16</sup>, WDFK<sup>+22</sup>, WZZ<sup>+23</sup>, Web19]. **wave-planed** [WCK<sup>+18</sup>]. **waveguide** [GK04]. **Waves** [CK10, ASM06, AHN23, BSS<sup>+02</sup>, BVGE<sup>+06</sup>, CW22, CIMT19, CH19, DBG<sup>+16</sup>, GK04, Hen19, HGM<sup>+11</sup>, Hol06, KVPK20, LH06, MV19, Pap05a, San13, SVKT20, SPD<sup>+11</sup>, WCL22]. **Wax** [PTWM12]. **way** [AS02a]. **WE92**

[SSK<sup>+07</sup>, SSK<sup>+05</sup>]. **Weather** [SBG<sup>+03</sup>, BG08, PGS14, RBH<sup>+20</sup>]. **web** [ADV<sup>+01</sup>, AM07, COV<sup>+08</sup>, CNOC13, DRD06, DIM<sup>+12</sup>, DGK10, DSN<sup>+20</sup>, EMV09, FHT<sup>+14</sup>, GGH<sup>+00</sup>, HS01, HFK<sup>+02</sup>, HAM<sup>+15</sup>, IBD10, JCF<sup>+06b</sup>, JSM<sup>+16</sup>, KYW20, MD17, NA13, PCP<sup>+17</sup>, SVR<sup>+00</sup>, SAM<sup>+12</sup>, SCSMT20, Thi05, TVL<sup>+00</sup>, VS99, VSR<sup>+00</sup>, WMH<sup>+07</sup>, WWH<sup>+10</sup>, WAV<sup>+12</sup>].

**web-based** [DIM<sup>+12</sup>]. **webs** [AMK<sup>+05</sup>, BFM<sup>+14</sup>, CS20, FTT<sup>+17</sup>, HWCT11, MMTT<sup>+20</sup>, PTO<sup>+16</sup>, PDS<sup>+17</sup>, PDTS08, RJDR06, RWN<sup>+08</sup>, Row13, vOSG<sup>+11</sup>]. **Weddell** [Dia04, HWS<sup>+07</sup>, JR11, TWD<sup>+08</sup>, VSC<sup>+11</sup>, ASMH08, BG08, BN04, CMK<sup>+18</sup>, CL06, CG04, DFMW13, DAGK<sup>+17</sup>, FHR<sup>+11</sup>, FHvFM08, FMWD07, GMS<sup>+02</sup>, GBH<sup>+17</sup>, GHG<sup>+04</sup>, HNW<sup>+08</sup>, HAGW<sup>+13</sup>, HHW<sup>+08</sup>, HKSV11, Hil04, HdBB<sup>+02</sup>, HSD04, HHR<sup>+08</sup>, IGP<sup>+06</sup>, JTT04, JT07, KDMH18, KGB<sup>+14</sup>, KMM<sup>+08</sup>, KFHR05, LRH<sup>+11</sup>, LBB<sup>+07</sup>, MB07a, MGMP02, McP08, MDT<sup>+08</sup>, MPHf02, RJT11, RVGF02, REWH11, SSMM<sup>+08</sup>, SSHM<sup>+08</sup>, SF99, SHA02, SRDV07, SRH<sup>+11</sup>, SWH08, VVV04b, ZHD<sup>+08</sup>, vHHH<sup>+11</sup>, vdLCS<sup>+11</sup>].

**Weekly** [CRP<sup>+05</sup>]. **Weibe** [Ano97b]. **Weichselian** [SSR<sup>+14</sup>]. **weight** [BMHR08, GEP<sup>+16</sup>]. **weight-dependent** [BMHR08]. **Weiss** [IFFGL<sup>+04</sup>]. **well** [Joy16, JBÖ<sup>+16</sup>, PWMC01, PFAZL09, RKB18, SSAF02]. **well-mixed** [PWMC01]. **well-preserved** [SSAF02]. **Wellhead** [CDM<sup>+16</sup>]. **WEST** [Ano06f, CHM<sup>+17</sup>, CG21, DHS<sup>+14</sup>, DNR20, DRR17, HNM<sup>+20</sup>, KFS<sup>+17</sup>, LBM<sup>+17</sup>, MS18, NMR10, NRH<sup>+20</sup>, RTM<sup>+20</sup>, RAB<sup>+17</sup>, Rog17, SBBP<sup>+15</sup>, SBC17, VTD<sup>+20</sup>, VM01, Bol08, CKH<sup>+08</sup>, Dal04, DNK<sup>+08</sup>, DK04, Duc08, DEK<sup>+08</sup>, GRWW01, HVVH09, HTA<sup>+17</sup>, JGM09, KB95, KHB<sup>+04</sup>, LWA<sup>+04</sup>, MDH08, MT11, MAR<sup>+15</sup>, MSV<sup>+17</sup>, MS12, MTMH11, MFS<sup>+23</sup>, Pin93, RAL04, RQNO04, RQM<sup>+08</sup>, SSWM18, SG99, SZV<sup>+19</sup>, SK02, TBW<sup>+11</sup>, TWPP07, VMI<sup>+08</sup>, WMB<sup>+08</sup>, WZL<sup>+16</sup>, WNA<sup>+10</sup>, WRS99, ZRC<sup>+11</sup>, ZGGF22, LLR<sup>+06</sup>, LWDH06, VLK06, WLD<sup>+06</sup>, AJR<sup>+15</sup>, BMG<sup>+17</sup>, BMGC09, DKS11, DT08, DFK<sup>+06</sup>, GFK24, GSM<sup>+08</sup>, IYM10, JFK<sup>+10</sup>, JFM<sup>+17</sup>, KKSA19, LWL<sup>+24</sup>, LDBS<sup>+17</sup>, LWZ<sup>+23</sup>, LGR<sup>+14</sup>, MCD<sup>+09</sup>, MSJS08, NWZL23, NMR10, PMJW10, PPZ93, PHS<sup>+17b</sup>, SMCA01, SV09, SWLL23, SBS<sup>+08</sup>, SKH10b, TFR<sup>+10</sup>, VJP<sup>+10</sup>, WB09, WGMW10, WNA<sup>+10</sup>, WRBS10].

**westerly** [ERR97, RMCAR06]. **Western** [BLO<sup>+17</sup>, BLI<sup>+09</sup>, CDT11, FJF<sup>+11</sup>, HDR<sup>+11</sup>, JDBP<sup>+05</sup>, LOA13, MDTS11a, ORFA<sup>+14</sup>, PLD<sup>+17</sup>, PDA<sup>+17</sup>, SS99a, SDGH14, TCJ<sup>+11</sup>, ASMH08, AV97, ACBV<sup>+18</sup>, Ala13, AKH<sup>+02</sup>, ATLD<sup>+20</sup>, ACR<sup>+20</sup>, AHV<sup>+17</sup>, BRCFP23, BFD<sup>+23</sup>, BG08, BMCF97, BLO04, BBN97, BS21, BPM18, BCDV02, BSZ99, BLS<sup>+97</sup>, BSW<sup>+13</sup>, BG09b, CSA<sup>+09</sup>, CBCT09, CZP<sup>+08</sup>, CDRA08, CMB<sup>+97</sup>, CWP<sup>+15</sup>, CW97, CCC<sup>+03</sup>, CRR01, CG04, CMTS97, CNM17, CCFL01, CC01, DSB<sup>+18</sup>, DBJ97, DB05, DDB<sup>+97</sup>, EBG<sup>+22</sup>, EMB<sup>+22</sup>, FL02, FHvFM08, FKH13, GP08, GBH<sup>+17</sup>, GDAMS19, GGLP02, GWDP11, GVD<sup>+97</sup>, GNB<sup>+17</sup>, GMC97, GK02, HNW<sup>+08</sup>, HHH<sup>+15</sup>, HOD<sup>+09</sup>, HHH<sup>+93</sup>, HTS<sup>+09</sup>, HHW<sup>+08</sup>, HWCT08, HHP04, HZN<sup>+16</sup>, HPK<sup>+97</sup>, HHR<sup>+08</sup>, INTS02, IIM<sup>+09</sup>, JCP05, JYM<sup>+15</sup>, JLJ<sup>+12</sup>, KM05a, KSH<sup>+09</sup>, KOS<sup>+16</sup>, KNG02, KCA05, KBVM13, KMM<sup>+08</sup>, KYI10a, KHC<sup>+09</sup>, KY17, KTSI07, KSU<sup>+08</sup>, KT02].



**western**

[KNI<sup>+05</sup>, LLD<sup>+17</sup>, LDHI93, LLH<sup>+15</sup>, LSGM02, LIS<sup>+02</sup>, LLK<sup>+09</sup>, LSA14, LRDS18, LLK05, LAT<sup>+18</sup>, MN10, MPH<sup>+95</sup>, MPG<sup>+97</sup>, MGR<sup>+03a</sup>, MDTS11b, MM97, MCPA02, MCSF15, MAK<sup>+16</sup>, MES<sup>+23</sup>, McP08, MPJ<sup>+13</sup>, MSvL17, MDT<sup>+08</sup>, MSS<sup>+02</sup>, MHVM<sup>+08</sup>, MSM10, MR08, MQD06, MBTM97, MST<sup>+14</sup>, MHM<sup>+14</sup>, NHS<sup>+09</sup>, NOT<sup>+09</sup>, NSLAP<sup>+17</sup>, NTF01, NPF<sup>+09</sup>, NTK<sup>+09</sup>, NMWH19, OE06, OYK15, OKY<sup>+17</sup>, OTN16, PAVGBG02, PKA95, PPT<sup>+10</sup>, PBN10, PHDK11, PGK14, PRSS23, PHKW10, RR96, RV00, RMC<sup>+08</sup>, RF99, RHPC<sup>+19</sup>, RHI00, RTM14, RL97, RFLW00, RN96, SSSN19, STK02, STN<sup>+09</sup>, SiSA<sup>+02</sup>, STF09, SSMM<sup>+08</sup>, SSHM<sup>+08</sup>, SNIT02, SSK<sup>+07</sup>, SDB<sup>+19</sup>, SGA97, SE95, SMS<sup>+08</sup>, SMD08, SFH<sup>+18</sup>, SMSI08, SGM<sup>+14</sup>, SWH08, SAM96, SMSA05, SLB<sup>+15</sup>, SKF<sup>+10</sup>, SFP<sup>+09</sup>, TT05, TRF<sup>+97</sup>, TNIW02, VMB17, VKM13, WT14, WLZ<sup>+19</sup>, WZW<sup>+22</sup>, WTCB09, WYL<sup>+20</sup>, WC07a, YWI<sup>+02</sup>].

**western** [YTF02, YHK15, YWW23, YKO15, YOI<sup>+09</sup>, ZCG<sup>+12</sup>, vWWR<sup>+17</sup>, Ano05b, ANI09, BIP<sup>+02</sup>, BTP<sup>+18</sup>, Bat01, BLBW<sup>+11</sup>, BOB20, BSR<sup>+18</sup>, BCF<sup>+04</sup>, CHG20, CB18, CPS05, DCA09, DBL<sup>+19</sup>, DGS<sup>+05</sup>, ERPF11, ECD<sup>+17</sup>, ECS<sup>+17</sup>, FMZ15, FMFW07, GCS<sup>+12</sup>, GCR<sup>+02</sup>, Gau07, GOM<sup>+09</sup>, GH05, GHS09, HWTP07, HBT<sup>+08</sup>, HZL<sup>+12</sup>, HC05, HM06, HFM<sup>+00</sup>, IBK<sup>+11</sup>, IABR<sup>+17</sup>, KNV<sup>+10</sup>, KMC05, LPA<sup>+17</sup>, LWSA08, LWAS08, LJL<sup>+12</sup>, LFKF<sup>+17</sup>, MSI<sup>+08</sup>, MISC<sup>+02</sup>, MORB<sup>+15</sup>, MJG<sup>+13</sup>, Men23, MM15, MMMC07, PIP<sup>+02</sup>, PDT11a, PKW07, PWP<sup>+05</sup>, RMBG11, RBCG10, SAKP<sup>+22</sup>, SAG<sup>+10</sup>, SSH09, SSK<sup>+05</sup>, ŠHW<sup>+04</sup>, ŠH11b, SABP<sup>+16</sup>, SKW07, SYK<sup>+13</sup>, TCM<sup>+04</sup>, TWD<sup>+08</sup>, VNBW18, VKM<sup>+10</sup>, WGNH15, WAL<sup>+11</sup>, WDC<sup>+15</sup>, WCL<sup>+15b</sup>, YKJ<sup>+15</sup>, ZCP<sup>+08</sup>, TMP<sup>+13</sup>]. **WESTPAC** [ZMYS13].

**Westward** [SWO10, MRC05, RSC07]. **westward-propagating** [MRC05].

**wet** [LT16]. **whale** [ALSF<sup>+17</sup>, AGW<sup>+13</sup>, BJK<sup>+22</sup>, BCKH07, BFS<sup>+17</sup>, BOH<sup>+04</sup>, CdST<sup>+17</sup>, DBL<sup>+19</sup>, DCF<sup>+18</sup>, EF98, ESWL20, ECM<sup>+06</sup>, FRH<sup>+98</sup>, LAP<sup>+17</sup>, MGJ<sup>+18</sup>, MHSV18, OCP18, SSAL<sup>+17</sup>, SRAL<sup>+17</sup>, ŠHW<sup>+04</sup>, ŠH11b, SMB<sup>+98</sup>, SCGB18, TCM<sup>+04</sup>, TSSR20, TMBTS09, ZFP<sup>+16</sup>]. **whale-fall** [ALSF<sup>+17</sup>, SSAL<sup>+17</sup>, TMBTS09]. **Whales** [LCD<sup>+24</sup>, BRG17, BCT21, BEC<sup>+96</sup>, Ber07, COQ<sup>+18</sup>, CBK<sup>+07</sup>, LSHB09, MBG18, MML07, MT98, MSM10, MHM<sup>+14</sup>, OMAA18, PTS17, RHB<sup>+04</sup>, SGB<sup>+08</sup>, SFH<sup>+18</sup>, SMB<sup>+18</sup>].

**Where** [BBG15, BY09, BCBB12]. **Whirl** [HKM00, WWS02]. **whisker** [GHM18]. **white** [MDC<sup>+10</sup>, RAT<sup>+13</sup>]. **white-beaked** [RAT<sup>+13</sup>]. **Whittard** [MTM<sup>+13</sup>]. **whole** [DVC14, SBL<sup>+18</sup>]. **Wicksten** [SR08b]. **Wide** [STM04a, STM04b, ATI<sup>+23</sup>, DLL<sup>+15</sup>, MW05b, XSL<sup>+17</sup>]. **widely** [KGB<sup>+14</sup>].

**Widening** [RJB<sup>+04</sup>]. **Widespread** [KDSR19]. **wild** [WWB04]. **wildlife** [EBM<sup>+18</sup>]. **Wilkes** [EWA<sup>+03a</sup>, EWA<sup>+03b</sup>, BCA<sup>+03</sup>, DBD03, DBDT03, WLR<sup>+00</sup>]. **William** [Cam18, CBA<sup>+05</sup>, GKR<sup>+18</sup>, LB18, LMH<sup>+18</sup>, MC18b, MOA<sup>+18</sup>, SNMH18].

**Williams** [Ano97c, DCBS98]. **williamsae** [KMA<sup>+18</sup>]. **Wind** [LDG94, VLSS<sup>+04</sup>, AGGdC14, AAG19, BV98, DBG<sup>+16</sup>, DRVVS<sup>+14</sup>, DDLK06, DKI<sup>+00</sup>, ERR97, FLLGR04, HH05, HWL06, HNB<sup>+13</sup>, KKD06, LLR<sup>+06</sup>, LCD01, LPM<sup>+19</sup>, LDW22, MBNB<sup>+08</sup>, NI10, NR00, OACA19,

PN93, PPL<sup>+19</sup>, PF06, RMCAR06, SCL<sup>+04</sup>, SP19a, SRW<sup>+10</sup>, SSSC19, SGW<sup>+15</sup>, WLD<sup>+06</sup>, YAOW05, Ano06f]. **wind-driven** [LLR<sup>+06</sup>, LPM<sup>+19</sup>, MBNB<sup>+08</sup>, NR00]. **wind-energy** [HWL06]. **wind-event** [DRVVS<sup>+14</sup>]. **wind-forced** [PPL<sup>+19</sup>]. **Wind-induced** [VLSS<sup>+04</sup>]. **wind-stress** [AAG19, KKD06, YAOW05]. **Winds** [MS01, AVS<sup>+20</sup>, BLD<sup>+06</sup>, KB99, LC16, LCS16, LWL<sup>+24</sup>, LPPK14, PBS06, RAC<sup>+20</sup>, SF11, SMH<sup>+11</sup>, ZG15]. **Winners** [LWJR22]. **Winter** [AHB<sup>+17</sup>, ARW<sup>+04</sup>, BFH<sup>+11</sup>, BCF<sup>+04</sup>, GBP21, KHB<sup>+04</sup>, PEC<sup>+04</sup>, SLC<sup>+20</sup>, SP19b, SBS<sup>+02</sup>, TT01, ZZM<sup>+13</sup>, ZNPR09, ADG<sup>+08</sup>, BSM01a, CRF04, CMB02, DNM<sup>+16</sup>, DJFK<sup>+22</sup>, DC06, ERPF11, FGW02, FMS08, GKR<sup>+18</sup>, GSdS<sup>+14</sup>, HLL<sup>+10</sup>, HMS<sup>+13</sup>, HAGW<sup>+13</sup>, HH20, HHX<sup>+10</sup>, HZN<sup>+16</sup>, HPS<sup>+11</sup>, JH04, KSM<sup>+11</sup>, LCD01, LTW<sup>+11</sup>, LHZ<sup>+16</sup>, LPM<sup>+15</sup>, MBHP99, MCBC08, MNG<sup>+11</sup>, MBC<sup>+20</sup>, NSY04, NVK<sup>+04</sup>, OVKN11, PF02, PMLM<sup>+02</sup>, PWP<sup>+05</sup>, PMM<sup>+16</sup>, PFX<sup>+02</sup>, RCF<sup>+08</sup>, RBO07, RQNO04, RFHL99, SCGDU09, SvdMC<sup>+16</sup>, Sco05, SMP<sup>+15</sup>, SKF<sup>+10</sup>, TMT<sup>+11</sup>, THT11, TML<sup>+16</sup>, UWvdE<sup>+16</sup>, VMF<sup>+16</sup>, WSE<sup>+16</sup>, WMP<sup>+11</sup>, YH10, ZZP04]. **winter-early** [OVKN11]. **winter-spring** [MNG<sup>+11</sup>, UWvdE<sup>+16</sup>]. **winter-transformed** [PWP<sup>+05</sup>]. **winter/spring** [DC06, PFX<sup>+02</sup>, SvdMC<sup>+16</sup>]. **wintering** [SMB<sup>+18</sup>]. **Wintertime** [KFJ<sup>+05</sup>, WB03, ST13, WMM02]. **WIOURI** [RT20]. **wise** [BRJM18]. **within** [BPKJ15, BHSJ16, BNFS01, BAR<sup>+02</sup>, CAS<sup>+97</sup>, CCW<sup>+08</sup>, DNM<sup>+16</sup>, DCF<sup>+18</sup>, FRBB10, GGI03, GK16, HA10, HO99, JLY<sup>+16</sup>, JTDG13, KFG<sup>+03</sup>, KCMA05, KRW03, KGB16, KCO<sup>+19</sup>, LVJC17, LPA<sup>+17</sup>, LAB<sup>+17</sup>, LDHO<sup>+14</sup>, LGF03, LGML00, LMKL09, MBNB<sup>+08</sup>, MASVB<sup>+19</sup>, MRL01, MR01, NS93, NSKG96, NRSL17, NOFP14, NSMBN08, NMWH19, PSE<sup>+93</sup>, RMBW07, RLVF02, RJWD01, SLDL93, SSHB03, SBA<sup>+20</sup>, Sor99, SGD<sup>+03</sup>, SAL95, VKGQ<sup>+09</sup>, VMM<sup>+08</sup>, VVV04b, VMI<sup>+08</sup>, VD98, WDM<sup>+05</sup>, Wit00]. **WOCE** [BTRL99, FM03c, SWCB02, WSFB02]. **WOCE-SVP** [BTRL99]. **WOD** [CMR<sup>+18</sup>]. **wollastoni** [ROS<sup>+17</sup>]. **Wood** [SBBP<sup>+15</sup>, ACD<sup>+17</sup>, BPKJ15, KB15, NMS09]. **Wood-associated** [SBBP<sup>+15</sup>, BPKJ15]. **Woodfall** [Sig17]. **Woodward** [Ano97c]. **work** [OAH<sup>+16</sup>, ROY13, Ver13]. **works** [Row13]. **Workshop** [Ano05c, WHLR13]. **world** [BSCR11, LKLK17, Aar03, HWL06, MDGF01, NP03, RDP<sup>+02</sup>, CMR<sup>+18</sup>]. **worldwide** [NCSO13]. **worm** [BAKF03, DCA<sup>+98</sup>, PGC<sup>+11</sup>]. **worms** [ALSF<sup>+17</sup>, APT11, BTM<sup>+98</sup>, ELG<sup>+22a</sup>, ELG<sup>+22b</sup>, MA13, MA18b, QNL<sup>+16</sup>]. **wrong** [BHS<sup>+10</sup>].

**X** [AWL<sup>+09</sup>, RSD<sup>+97</sup>, SDB<sup>+97</sup>]. **X-ray** [AWL<sup>+09</sup>]. **X/6** [RSD<sup>+97</sup>, SDB<sup>+97</sup>]. **xenophyophore** [VWTK18]. **Xenophyophores** [GdSP11]. **XGBOOST** [GGAMV<sup>+23</sup>]. **xi** [Ano96l]. **XII** [Kyt02b, Kyt02c]. **XII/4** [Kyt02b, Kyt02c]. **XIII** [SBvdL<sup>+02</sup>]. **XIII/2** [SBvdL<sup>+02</sup>]. **Xiphias** [LPK<sup>+17</sup>]. **Xisha** [TWL<sup>+15</sup>]. **XXIII/3** [BPRS11, FdBGP11, SGP<sup>+11</sup>]. **XXIV** [GJ11]. **XXIV/2** [GJ11]. **XXIV/3** [FdBGP11].

**Yakutat** [JWO<sup>+</sup>09]. **Year** [Ano14, CBK<sup>+</sup>22, SGL99, WMA11, AAL<sup>+</sup>17, BEGC04, BA02, BSR08, CMC<sup>+</sup>02, DSC<sup>+</sup>01, DABF<sup>+</sup>16, FM03b, ITT12, JVDH08, JMM<sup>+</sup>13, KAHS20, KC04, LWO<sup>+</sup>09, LK98, LWL<sup>+</sup>16, NLDJ14, OAH<sup>+</sup>16, OWW<sup>+</sup>12, ROPB03, SBM16, SHR20, SGM<sup>+</sup>02, SLLT10, TMP<sup>+</sup>19, TWD<sup>+</sup>08, TTA<sup>+</sup>16, VMF<sup>+</sup>16, WAW05b]. **year-class** [LWO<sup>+</sup>09]. **Year-long** [SGL99]. **Year-round** [CBK<sup>+</sup>22, DSC<sup>+</sup>01]. **year-to-year** [SBM16]. **Years** [MSS15, BIP<sup>+</sup>02, BM17, BFSK08, BSJ13, Bor01, CAFK03a, CCC<sup>+</sup>23, DPK<sup>+</sup>14, DKP<sup>+</sup>14, DZY<sup>+</sup>01, DFA<sup>+</sup>20, Fir96, FMH<sup>+</sup>02, GNT<sup>+</sup>17, GSB<sup>+</sup>03, IOTS16, IPLCHRM19, JBÖ<sup>+</sup>16, LTF<sup>+</sup>19, LJHAA19, LM13, LPM<sup>+</sup>19, LMH<sup>+</sup>18, LZZ<sup>+</sup>16, LBJ<sup>+</sup>13, MRB<sup>+</sup>14, MLH14, MTG18, NCR<sup>+</sup>08, PDK<sup>+</sup>14, PdBK<sup>+</sup>03, RRL<sup>+</sup>14, RMD<sup>+</sup>12, RLPF07, Sag18, SRY04, SSK<sup>+</sup>05, SSK<sup>+</sup>07, SKM<sup>+</sup>12, SDK<sup>+</sup>16, SGM<sup>+</sup>14, SFB16, YSBH06]. **Yelkouan** [POI17]. **Yellow** [LYN<sup>+</sup>13, LS10, NLY<sup>+</sup>13, SFW<sup>+</sup>13, SFZ<sup>+</sup>13, AIW03, GZZC10, HZZ10, JZX10, JLR<sup>+</sup>13, LHZJ13, LXS<sup>+</sup>13, RZL<sup>+</sup>10, SZG<sup>+</sup>13, SLZ<sup>+</sup>16, SDLZ13, SHY10, TSZ10, TSZT13, WWH<sup>+</sup>10, WSLP10, WYT19, YKSI19, YH10, ZSKL19, ZQW19, ZXLL10, ZZX<sup>+</sup>13, ZXH<sup>+</sup>13]. **yellowfin** [BSN<sup>+</sup>15, DABMAMA04, DWM<sup>+</sup>15, DKP<sup>+</sup>17, HHMF11, LCW20, LGP<sup>+</sup>15, WLT20]. **Yemen** [DDB<sup>+</sup>97]. **yield** [HWN<sup>+</sup>04, SS01, ZSKL19]. **yields** [Ake19, MTBB00, VMBS03]. **yongei** [SI09]. **York** [RGS<sup>+</sup>15]. **Yoron** [DAN23]. **young** [GK16, LCH<sup>+</sup>09, NMWH19, SLLT10, vAvVV<sup>+</sup>03]. **young-carrying** [GK16]. **young-of-the-year** [SLLT10]. **Yukon** [ARWM13, MHG<sup>+</sup>17, NAT<sup>+</sup>12]. **Yutu** [CW22].

**Zealand** [MMSS14, OM98, SRHP23]. **zeehaani** [DWG<sup>+</sup>15]. **Zemlya** [SEN<sup>+</sup>95]. **Zenk** [BLS05]. **zero** [CP02, SOW01, vdLCS<sup>+</sup>11]. **zero-age** [CP02]. **zero-dimensional** [SOW01]. **Zhongjiannan** [CSG<sup>+</sup>15]. **Zhujiang** [ZZY<sup>+</sup>19]. **zinc** [BC11, CWTJ03, CBS11, LSC02]. **Ziphiidae** [IATK17]. **Zn** [NOT<sup>+</sup>09, NEN<sup>+</sup>07]. **Zonal** [AMP<sup>+</sup>03, BPD<sup>+</sup>11, LOA15, YTF02, ZW23, BHLS15, LBD<sup>+</sup>02, MHFM15, SBG05, SSUB15]. **zonally** [SF11]. **zonation** [GPC<sup>+</sup>04, KCM<sup>+</sup>14, PLR02, WR09]. **Zone** [CLJ<sup>+</sup>13, CLB13, FVW08, GLMB18, HLL<sup>+</sup>09, JFC18, KJB<sup>+</sup>08, KMD<sup>+</sup>01, LAJP13, MSW<sup>+</sup>13, MMC11b, PBB<sup>+</sup>13, AT10, Ano95b, BRM18, BRJM18, BSJ13, BTD11, BLW<sup>+</sup>09, BBT<sup>+</sup>18, BES95, BOP95, CC13, CLH<sup>+</sup>00, CL09, Cri95, CHSVB<sup>+</sup>19, DAKR20, DLR<sup>+</sup>01, DSN<sup>+</sup>10, DGN<sup>+</sup>17, DJS<sup>+</sup>08, EHK09, FGW02, FDC<sup>+</sup>18, FSGV<sup>+</sup>09, GMT<sup>+</sup>09, GPC<sup>+</sup>04, GG95, GLK<sup>+</sup>06a, GLK<sup>+</sup>06b, GQ09, GBLS00, GW98, HDD<sup>+</sup>11, HFD<sup>+</sup>23, HYK<sup>+</sup>02, HK08, IIM02, JLTD11, JDD<sup>+</sup>11, JLY<sup>+</sup>16, JCPC09, JFM<sup>+</sup>17, JVL<sup>+</sup>16, Kam18, KGS23, KPBK08, KSS00a, LBV<sup>+</sup>08, LJHAA19, LAGK<sup>+</sup>18, LGML00, LWM<sup>+</sup>09, LL00, LAMLB18, MASVB<sup>+</sup>19, MMWM00, MF09, MCS<sup>+</sup>99, MFM<sup>+</sup>18, Mun14, Mun16, MWB95, MMM<sup>+</sup>00, MPB<sup>+</sup>18, NC97, PPA10, PRC<sup>+</sup>09, PBS06, PHS17a, PWD<sup>+</sup>11, PHD<sup>+</sup>18, PKZ<sup>+</sup>19, QSA<sup>+</sup>09, RHB<sup>+</sup>95, RSA<sup>+</sup>10, RQM<sup>+</sup>08, RÇG18, SRHP23, SBL<sup>+</sup>07, SWL<sup>+</sup>18, SWC09, SLA<sup>+</sup>01, SPF10, SMBM00, SRF95]. **zone** [SW00, SLH<sup>+</sup>00, SESS08, SRS11, STS11, TRH<sup>+</sup>08, TOSH08, TLF97, Thu98, TPGCCS<sup>+</sup>02, TLP<sup>+</sup>12, THT11, TKF16, UP09, VJP<sup>+</sup>10, VCSCM09, VKGQ<sup>+</sup>09, VMI<sup>+</sup>08, WLP<sup>+</sup>09, WSE<sup>+</sup>16, WPW95, WNRM08, WSB08, WMA11, WvdE00, YCD<sup>+</sup>06, ZDW<sup>+</sup>20].

ZFA<sup>+02</sup>, ARLB00, ARNB01, AF01, Ano06b, BFB<sup>+18</sup>, CMG<sup>+11</sup>, CSP05, CA06b, CSGV13, CSCP13, DEJ08, DYEJ08, DAB<sup>+18</sup>, DHST13, EQW<sup>+13</sup>, FBCN00, HRM<sup>+11</sup>, HPM02, JDD<sup>+11</sup>, KMB11, LAC<sup>+09</sup>, LS18, PAR<sup>+08</sup>, PDT<sup>+11b</sup>, PHD<sup>+11</sup>, RKB18, RHPC<sup>+19</sup>, SLB18, SWL<sup>+18</sup>, SAM<sup>+13</sup>, TLK<sup>+02</sup>, dSEDW11]. **Zone** [?]ElephantSelph:2013:PDS. **zones** [DSJ<sup>+11</sup>, FSK<sup>+02</sup>, FG97, KHL<sup>+15</sup>, MNV<sup>+20</sup>, PNC<sup>+06</sup>, Sei13, SVS<sup>+20</sup>, SFMG13, TTDR13, TS13, VMAW12, WOM<sup>+16</sup>.] BGD<sup>T11</sup>, CEG<sup>+11</sup>, DPS<sup>+11</sup>, ETDB11, WGWW11]. **zoobenthic** [Gut06]. **zoogeographical** [Hil94, Hil04]. **zoogeography** [MB07b, SMB<sup>+17</sup>]. **zooplankters** [MCCM<sup>+98</sup>]. **Zooplankton** [CAH<sup>+09</sup>, CTC05, CTBNL08, CLB13, CPEN08, EBS99, EHK09, HMC09, HLS<sup>+02</sup>, HKP10, LDHO<sup>+14</sup>, LPMS09, MTGY05, MHS01, MWK<sup>+20</sup>, PF04a, PF04b, PMGH01, PBD<sup>+02</sup>, PZT<sup>+19</sup>, RDG<sup>+95</sup>, SHY10, WSE<sup>+16</sup>, WOU06, vC97, AML01, AS02a, Arm03, AGAB19, ARW<sup>+04</sup>, ADGA05, ADGA06, ADG<sup>+08</sup>, BES11, BW04, BEC<sup>+96</sup>, BWS<sup>+98</sup>, BSKD<sup>+07</sup>, BWWG98, BL06, BD06, BOJ<sup>+10</sup>, CSM<sup>+13a</sup>, CBJ<sup>+23</sup>, CP05, DYEJ08, DBR22, DTP<sup>+05</sup>, ENM<sup>+14</sup>, ENM<sup>+16</sup>, FLLGR04, FLTV04, FWS94, GRWW01, GLF<sup>+03</sup>, GWP<sup>+98b</sup>, GWP<sup>+98a</sup>, HHH01, HCWW01, HS07, Hug14, JOD98, JSM<sup>+16</sup>, JKP<sup>+17</sup>, KYS94, KAM<sup>+20</sup>, KW00, LWA<sup>+04</sup>, LR97, LOFC00, MPZ04, MDTS11a, MDTS11b, MC09, MBMM<sup>+99</sup>, MTE<sup>+02</sup>, MC18b, MCH22, MGC<sup>+14</sup>, MARFP08, NBB<sup>+02</sup>, NDG96, NED09, OYM<sup>+13</sup>, PE17, PO15, ROPB03, RMB05, RWRS08, RHB<sup>+95</sup>, RDLZ02, RQM<sup>+08</sup>, SSM<sup>+08</sup>, SRB<sup>+11</sup>, SRP<sup>+98</sup>, SHR02]. **zooplankton** [SHM<sup>+20</sup>, SNFK20, SBE<sup>+99</sup>, SBSW07, SM96b, SCPP05, TRH<sup>+08</sup>, TB05, TDKA05, VALM17, WH01a, WGR<sup>+95</sup>, WZW<sup>+95</sup>, WSSN10, WSB08, YXC<sup>+19</sup>, YSHS08, YLK<sup>+15</sup>, ZTZB09, ZTZ09, Zim09, TDKA05]. **zooplanktonic** [LSUB94]. **ZooScan** [LDHO<sup>+14</sup>]. **Zr** [CRS<sup>+19</sup>]. **Zr/Hf** [CRS<sup>+19</sup>]. **Zunongwangia** [LZS<sup>+18</sup>]. **Zygochlamys** [SGB14].

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