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## Title word cross-reference

**2**  
[CJ14a, CV12, HYWA09, RSD23b, SMT<sup>+</sup>17].  
20 [NPS<sup>+</sup>20]. **3**  
[ARLB18, AGD<sup>+</sup>20, BAT<sup>+</sup>22, VRBS16,  
BLKM23, BCT<sup>+</sup>13, CKC<sup>+</sup>18, CMK<sup>+</sup>21,  
CJ14a, CBK<sup>+</sup>22, CH14, CRKP22, FRB08,  
KSB<sup>+</sup>08, KYEB15, KKC17, KWW17,  
LKC15, LDK<sup>+</sup>18, LKK<sup>+</sup>22, LDP<sup>+</sup>20,  
MRG22, SCL17, SKRX13, TJ13b, TTS22,  
TZS14, VOB19, WL22a, XLBB06, XCF08,  
XDX14, XPD12, ZJS10, ZMC15, ZCB<sup>+</sup>22]. **4**  
[LCSP14]. *K* [VOB19].  $\kappa$  [MP10].  $\mu$   
[RFDT15].  $\Sigma\Delta$  [GGTG<sup>+</sup>20]. *T*  
[YYC07, MPZ21].  $\Theta(\sqrt{n})$  [CV12].  $V_{th}$   
[MP10].

**-Analog** [CFK22]. **-Bit** [LCSP14]. **-D**  
[HYWA09]. **-depth** [CV12]. **-means**  
[VOB19]. **-Phase** [SMT<sup>+</sup>17]. **-Qubit**  
[NPS<sup>+</sup>20]. **-SNE** [MPZ21]. **-tree** [YYC07].  
**/high** [MP10]. **/high-** [MP10].  
**1** [LZBW20]. **100GBd** [XLL<sup>+</sup>18]. **10nm**  
[GVRR17]. **14nm** [TGCJ16]. **19** [KKNM22].  
**1S1R** [BSL<sup>+</sup>18].  
**2** [ZLWB20]. **2.0** [BLKM23]. **2006** [CS07].  
**2007** [LC08]. **2008** [Bah09]. **2011**  
[AD14, SN10]. **22nm** [TGCJ16].  
**a-Si** [HCTK08]. **ABC** [PPM<sup>+</sup>13].  
**Abnormality** [TW22]. **Abstraction**  
[DRL<sup>+</sup>19]. **Accelerate**

[CRSSBMR21, IGGR19]. **Accelerated** [JCK23, KKNM22, ZJT+14]. **Accelerating** [AAO21, CRKP22, DEW+23, ERGK21, LWY22]. **Acceleration** [ASP+18, BRZ21, KMC+22, LZXL22, ORC+24]. **Accelerator** [DCP+21, DK21, DBS+21, GLL+21b, HM21, KPM22, KPPB17, LLX+18a, NAY24, PJSM17, PAP+22, SBZT20, YLR+23, ZBF+22, ZK18]. **Accelerators** [BBB+22, CMZR23, GGHP+24, HFLZ22, KAS+22, KKK22, LTO22, LYL19, MEHT21, MMAAK23, WL19, WL22a, XCS+19]. **Accelerators-based** [MEHT21]. **Access** [AIK21, GLMG+15, LBJ+16, RSD23b, AKW+13, CSKM13]. **Access-Transistor-Free** [GLMG+15]. **accessibility** [GN08]. **AccHashtag** [JCK23]. **Accumulation** [BSS16]. **Accumulation-Mode** [BSS16]. **Accuracy** [ACH+17, GKT+18, NPH18, TKBM12, WWZ+22]. **Accurate** [CMJ14, CQZ+21, CLZ+22, ZF15, KTW08]. **Achievable** [KAKSP14]. **achieving** [WWJ09]. **ACM** [BC08, SLCJ22, Shu09, ZLWB20]. **across** [AMVG12, JRL15]. **Activation** [HLH+12, LQYL19, YMWH21]. **active** [ABS+12, PDLS06]. **Activity** [MKG+23]. **Actuators** [ZF15]. **Adaptation** [LJL18]. **Adapting** [AIK21]. **Adaptive** [GLMG+15, MGK18, KMD12, LCT12]. **ADC** [MSB+22]. **Adder** [BSL+18, ISI+18, MGMU22, MGZ+17, NV14, CV12, TR13]. **Adders** [AHHS21]. **Addition** [CV11]. **Address** [IASK20]. **Addressable** [GG17]. **addressing** [SRD+06]. **Adiabatic** [KT20]. **Advanced** [GHHW19, YWF18]. **Advances** [TSB15]. **Adversarial** [HMP+22, HYPW22, LDZ22, XZL+21]. **AER** [KWG+20]. **AES** [YWF18]. **Against** [DCSA22, PHS+23, GCC+23, GSC17, LDZ22, RSBA23, ZCX+17]. **aggregated** [HMP+22]. **aging** [AMA+14, CNPR14, KCC+14]. **Agnostic** [CTP14]. **AI** [JHPG22, PYSJ22]. **AI-enhanced** [PYSJ22]. **Algorithm** [CRSSBMR21, CEW+13, DBS+21, LCSP14, LFDS22, MPZ21, MCT18, PP21, RDH14, SKB13, VOB19, YL14, BBB+22]. **Algorithms** [CLKG17, CLSD18, CQL21a, CQL21b, MS19, PT14a, SCLW19b, SCLW19a, GMM12, PSM+06]. **alive** [ABS+12]. **All-Optical** [GB18, EDCL+22]. **All-Spin** [MS17, VSRR15, XZR+22]. **Alleviate** [WXW+17]. **Allocation** [KXY16, LKL+18, WWJ09]. **Allocator** [WL22b, YXD+17]. **Allow** [KMS+20]. **alternate** [LBGR08]. **Alternative** [RKM15, TV17]. **ALU** [SDSS14]. **Amplifier** [SFD17]. **Analog** [ASP+18, BY18, BSS16, CHA20, KKK22, MSC+21, RSD+23a, WWZ+22, YLR+23, ZSPC19, CFK22]. **Analog-Trojan-resilient** [RSD+23a]. **Analysis** [AHPC21, ARLB18, AHS22, AHHS21, BBB+16, BWL+21, GRPT13, GG17, GFZ13, GPW+15, HON21, KBT24, KYEB15, KCWL+16, LTKP16, MLW+23, NLK+13, PYSJ22, RPBA21, RBHG21, WDG+20, WYZ+20, CCTP08, CSKM13, CWT14, DWL10, HCTK08, KSG14, PHS+23, PFOL07, RBGC14, ZFT13]. **Analytic** [VOB19]. **Analytical** [KYEB15, REL+22]. **Analytics** [CRKP22]. **Analyzing** [PAC+22]. **Annotation** [PPM+13]. **Anomaly** [KPFM16]. **Anonymous** [PHS+23]. **ANT** [CLZ+22]. **ANT-UNet** [CLZ+22]. **Anti** [CCW18]. **Anti-Reverse** [CCW18]. **API** [RBG+22]. **Application** [AIK21, DKK+15, DJH+19, FC18, LZX+21, Tah06, WDG+20, AMVG12, XS14]. **Application-driven** [WDG+20]. **Application-independent** [Tah06]. **Application-Level** [LZX+21]. **Application-Specific** [DKK+15, FC18]. **Applications** [ASP+18, BOAC+20, FNO+19, GYM+17, GLL+21b, HVB22, IGGR19, JWJ+17,

KPPB17, KHC<sup>+22</sup>, SJKS20, SLCJ22, SHAC19, TTS22, MFA<sup>+13</sup>, PFOL07].

#### **Approach**

[ARD24, BM15, BBB<sup>+22</sup>, BS15, DRSR14, DJ16, JRLR15, LDK<sup>+18</sup>, SMR23, SMR<sup>+21</sup>, ZY18, ZGSA15, CQZK14, RT08, SZSS10].

**Approaches** [EDZ<sup>+23</sup>, SMZ<sup>+19</sup>].

#### **Approximate**

[AHHS21, GP17, JLL<sup>+17</sup>, LQYL19, MEHT21, SJKS20, SVA<sup>+18</sup>, SBT20, TT20].

**Approximation** [HYPW22]. **Arbitrary**

[Mog14]. **Architecting** [KBM21, Mit17].

#### **Architectural**

[ABM21, Mit16, VO06, WKL16].

**Architecture** [AMH<sup>+24</sup>, AM18, BYHT18, CRKP22, CNH12, CTT<sup>+20</sup>, DPB11, GLL<sup>+21a</sup>, GLL<sup>+21b</sup>, JOF<sup>+15</sup>, JMKM21, JRJ22, LZXL22, LLX<sup>+18a</sup>, LZBW20, LDP<sup>+20</sup>, LPM<sup>+19</sup>, MAC<sup>+21</sup>, NLL<sup>+17</sup>, SGR<sup>+12</sup>, VK18, VDB<sup>+16</sup>, VOB19, WX15, YYBK19, ZLB<sup>+22</sup>, ZLWB20, ZK19, dLBHC22, CQZK14, CV12, CA11, MTC<sup>+08</sup>, Moh12, PDLs06, PDL07, SCI<sup>+09</sup>, TWL09, TCSV09, ZJS09a, ZJS10, ZJS09b].

**architecture-level** [Moh12].

**Architectures** [ACM<sup>+20</sup>, AMF<sup>+15</sup>, CMM<sup>+18</sup>, CDP17, CCWCC15, DJ16, ERGK21, GCO<sup>+11</sup>, GMGA23, GNY<sup>+22</sup>, KK23, LGL15, MSB<sup>+22</sup>, MPZ21, Rez23, RMG15, Shu09, WZL16, YJ18, YP17, BPH<sup>+11</sup>, CDG<sup>+12</sup>, Deh05, FGZ14, KWFH12, WVG13, XLBB06, ZMT13].

**Area** [CKC<sup>+18</sup>, CCH16, KCWL<sup>+16</sup>, PFRR17, XZR<sup>+22</sup>, RT07]. **Area-efficient**

[XZR<sup>+22</sup>]. **Arithmetic** [JLL<sup>+17</sup>, PAP<sup>+22</sup>, VMNI08, Gla14, WL22a].

**AroMa** [CMZR23]. **Array** [KKY<sup>+20</sup>, LZXL22, LYWW13, MZZ23, MTC<sup>+08</sup>].

#### **Arrays**

[BSL<sup>+18</sup>, CEW<sup>+13</sup>, CCH16, HHD<sup>+23</sup>, WHL<sup>+21</sup>, ZJK22, CCTP08, CSKM13].

**Artifact** [KRP<sup>+21</sup>]. **Artificial** [Dea14, KBM21, WLJC21, XYJ<sup>+21</sup>].

**ASBUS** [YWF18]. **ASIE** [KWG<sup>+20</sup>]. **ASL**

[ALY<sup>+21</sup>]. **Assays** [GCB14]. **assembled**

[GRS05]. **Assertions** [WJWM23].

**Assessment** [RNN<sup>+22</sup>, VOB19].

**Assignment** [YJ18, SLS<sup>+14</sup>, ZS08].

**Assisted** [MPR<sup>+22</sup>]. **Associated**

[GCO<sup>+11</sup>]. **Associative**

[CCWCC15, JRJ22, SBR19]. **Assurance**

[BWL<sup>+21</sup>, GCC<sup>+23</sup>, AML<sup>+23</sup>, JDPH<sup>+23</sup>].

**assured** [MEHT21]. **Asymmetric**

[CJ16, GVRR17, GJ17, GZZ<sup>+21</sup>, LPW18].

**Asynchronous**

[GRPT13, GGTG<sup>+20</sup>, KWG<sup>+20</sup>, SM11,

VGZ11, VSM19, ZSXY11, CB09].

**Asynchrony** [SN11]. **Attack**

[DDG<sup>+22</sup>, GCTF20, HMP<sup>+22</sup>, LZXL21,

WHB<sup>+21</sup>, ZLGL21]. **Attacks**

[ABM21, ASK23, BGX<sup>+21</sup>, CMZR23,

DCSA22, GCC<sup>+23</sup>, JCK23, JWJ<sup>+17</sup>,

LYEK22, LTO22, LDZ22, PHS<sup>+23</sup>, RSBA23].

**Audio** [HYPW22]. **Audit** [SPS<sup>+24</sup>].

**Authentic** [TFR23].

**Authentic/Counterfeit** [TFR23].

**Authentication**

[Bis17, IGR<sup>+16</sup>, MKMS22, RDS24].

**Authorization** [ASMK22]. **Autoencoders**

[HYPW22]. **Automata**

[DPB11, TNWD20, dLBHC22, DWL10].

**Automated**

[DMR06, GCJ17, WJWM23, XHSC07, ZS08].

**Automation** [WD22, ZCB<sup>+22</sup>, CZ05].

**Autonomous** [LPB<sup>+15</sup>]. **Auxiliary**

[LDZ22]. **Aware** [GLMG<sup>+15</sup>, GUP11,

MPM13, MKW<sup>+14</sup>, NPS<sup>+20</sup>, PFRR17,

PRG<sup>+15</sup>, SLCJ22, WX15, DJH<sup>+19</sup>, DLL<sup>+19</sup>,

LHHZ19, MSCS19, RHB<sup>+20</sup>, RMBC12,

SAAR20, STA<sup>+12</sup>, TMG<sup>+21</sup>, YWH<sup>+13</sup>].

**B** [FCR23]. **B-open** [FCR23]. **Back**

[NLW<sup>+20</sup>]. **Backpropagation** [DCP<sup>+21</sup>].

**Backside** [DDR<sup>+16a</sup>]. **ballistic**

[HYWA09, PFOL07]. **bar** [KKY<sup>+20</sup>].

**Barely** [ABS<sup>+12</sup>]. **Barnes** [MPZ21]. **Based**

[AIK21, BBB<sup>+16</sup>, BSY<sup>+16</sup>, BYHT18,

CZW<sup>+19</sup>, DCP<sup>+21</sup>, DDP20, DKK<sup>+15</sup>,

DJH<sup>+19</sup>, FYJ<sup>+17</sup>, GCO<sup>+11</sup>, GRPT13, GG17, HFLZ22, HC15, HYPW22, KXY16, KBC<sup>+23</sup>, KHC<sup>+22</sup>, KT20, LTKP16, LPB<sup>+15</sup>, LQYL19, LLX<sup>+18b</sup>, LWY22, MZZ23, MPM13, MSB<sup>+22</sup>, MKSW17, MAC<sup>+21</sup>, NLL<sup>+17</sup>, NPA<sup>+12</sup>, OBLD14, QGW20, RNN<sup>+22</sup>, STSG17, SGR<sup>+12</sup>, SSF<sup>+15</sup>, TZS14, TSÁ<sup>+24</sup>, VAK18, VDB<sup>+16</sup>, VSRR15, WX15, WL19, WLJC21, XLL<sup>+18</sup>, YXW<sup>+12</sup>, YLF<sup>+17</sup>, YYPK17, ZJ11, ZCX<sup>+17</sup>, ZY18, ZF15, AMH<sup>+24</sup>, ABR<sup>+21</sup>, ABM21, ASK23, AHS22, BBB<sup>+22</sup>, BMTP24, Bis21, CKA23, CZ05, CHN09, DMR06, Deh05, DBS<sup>+21</sup>, FSD22, GD12, Gla14, GCTF20, HON21, HRR19, HMS<sup>+05</sup>, IBO22, KPM22, KKY<sup>+20</sup>, KKNM22, LYEK22, LJ10, LDK<sup>+18</sup>, LDP<sup>+20</sup>, LTO22, MDS21, MKMS22, MSCS19, MEHT21, MN06, MS20, NLW<sup>+20</sup>, NSBA23, Rez23, RDS24, RCYB22, SZSS10, SAAR20, SPR18, SC06, TCSV09, TR13, VOB19, WWG<sup>+19</sup>. **based** [WYZ<sup>+20</sup>, WL22a, XYJ<sup>+21</sup>, XZR<sup>+22</sup>, YYBK19, ZLB<sup>+22</sup>, ZCDD19, ZH20, WZSC09]. **Batching** [LML<sup>+19</sup>]. **BCD** [TR13]. **BD** [HYA<sup>+20</sup>]. **BD-Net** [HYA<sup>+20</sup>]. **Be** [ABM21]. **beamed** [KK12]. **Beat** [LTKP16]. **Behavior** [BOAC<sup>+20</sup>, GSC17, SMT21]. **Behaviors** [AIK21]. **Benchmark** [XCS<sup>+19</sup>]. **Benchmarking** [BHLD19]. **Benefit** [CKC<sup>+18</sup>]. **Best** [Bah09]. **between** [BMTP24, LDPPB21, TGCJ16]. **Beyond** [KAB<sup>+21</sup>, KZW<sup>+15</sup>]. **bias** [KCC<sup>+14</sup>]. **Biased** [WL19]. **Big** [MLP<sup>+20</sup>]. **BigBus** [BPS19]. **Binarized** [HYA<sup>+20</sup>, SBR19]. **Binary** [CCWCC15, GCJ17, HM21, LLX<sup>+18a</sup>, NHL<sup>+17</sup>, SBR19, TR13]. **biochemical** [RBGC14]. **Biochips** [BMB18, GCB14, HRR19, LBB<sup>+18</sup>, MPM13, OGB18, CZ05, DJRM09, DDM<sup>+06</sup>, RMBC12, RBGC14, SC06, SC08, XHSC07, XC08, YYC07]. **BioFoundries** [DHK<sup>+23</sup>]. **Bioinformatics** [Gui13]. **Biological** [BBR<sup>+23</sup>]. **Biology** [Dea14, FHFk14, HD14, MHW14, MSW14, OBLD14, VMV13]. **Biomedical** [LZCX22, MCH22]. **Biosequence** [GFZ13]. **Bit** [GZZ<sup>+21</sup>, LCSP14, LDZ22]. **Bit-plane** [LDZ22]. **Bit-Widths** [GZZ<sup>+21</sup>]. **Bitlet** [REL<sup>+22</sup>]. **Bitline** [LYWW13]. **Black** [HYPW22]. **Black-box** [HYPW22]. **Bladder** [MGS<sup>+12</sup>]. **Blind** [CVK15]. **Block** [CZQK15, ON15]. **Bluetooth** [EFRB22]. **Bluetooth-enabled** [EFRB22]. **Board** [PB21]. **Boards** [MGST22]. **Boltzmann** [YP17]. **bond** [XS14]. **Bonding** [KKC17]. **Boolean** [GKT<sup>+18</sup>, SWK<sup>+16</sup>]. **Bottom** [NLK<sup>+13</sup>]. **Bottom-up** [NLK<sup>+13</sup>]. **bound** [KHC<sup>+22</sup>]. **bounded** [PP21]. **box** [HYPW22]. **BPLight** [DCP<sup>+21</sup>]. **BPLight-CNN** [DCP<sup>+21</sup>]. **Brain** [BY18, KWWI17, WL22a]. **Brain-inspired** [BY18]. **Bridging** [LDPPB21]. **broad** [GN08]. **Brownian** [PLC<sup>+13</sup>]. **Budget** [TFZ<sup>+21</sup>]. **build** [KSB<sup>+08</sup>]. **buildable** [LRN05]. **Building** [BBR<sup>+23</sup>]. **Built** [CBK<sup>+22</sup>, IBO22, MRG22, CWL<sup>+13</sup>]. **Built-In** [MRG22, CBK<sup>+22</sup>, IBO22]. **Bulk** [BSS16]. **Bundled** [SMT<sup>+17</sup>]. **Bundled-Data** [SMT<sup>+17</sup>]. **Bundling** [SBR19]. **Cache** [ARD24, GB18, HAV<sup>+22</sup>, NLW<sup>+20</sup>, VSRR15, ZMC15, TJ13a]. **Caches** [ON15, PAB<sup>+17</sup>, SMT21, CWL<sup>+13</sup>]. **CAD** [FSDT23]. **Calculus** [DD14]. **Call** [SN10]. **Can** [ABM21, WGY21]. **Canonization** [GUP11]. **Capacity** [KXY16, TT21]. **Carbon** [DLWW08, GRPT13, HC15, LKK<sup>+22</sup>, HZY<sup>+12</sup>, MN06, SXL<sup>+12</sup>]. **Carry** [MGZ<sup>+17</sup>]. **Case** [AGD<sup>+20</sup>, PPM<sup>+13</sup>, SCT<sup>+22</sup>, HCTK08]. **Cash** [FMTP22]. **Causality** [MJ11]. **CBRAM** [MKSW17]. **CBRAM-Based** [MKSW17]. **Cell** [BCT<sup>+13</sup>, GG17, MGMU22, SFD17, XZR<sup>+22</sup>, SWJ07]. **Cell-based** [XZR<sup>+22</sup>]. **Cells** [CMJ14, DSB16, KCWL<sup>+16</sup>, MS17, CWL<sup>+13</sup>]. **Cellular** [DPB11, LLX<sup>+18b</sup>, TNWD20,

XLW<sup>+18</sup>, CCTP08, DWL10]. **center**  
 [BPB<sup>+12</sup>, KMD12, SMR<sup>+12</sup>]. **centers**  
 [AMVG12]. **Centric**  
 [KPPB17, NYL<sup>+20</sup>, GNY<sup>+22</sup>]. **CGRAs**  
 [JOF<sup>+15</sup>, TSÁ<sup>+24</sup>]. **Chain**  
 [MLP<sup>+20</sup>, GD12, WFCX09]. **chain-based**  
 [GD12]. **Challenges** [BVM<sup>+19</sup>, FMP<sup>+21</sup>,  
 Ko12, Nar05, Rez23, MN06, YW13].  
**Challenging** [SMR<sup>+21</sup>]. **Change**  
 [WZL16, JRC<sup>+13</sup>]. **Channel**  
 [ABM21, VDK<sup>+21</sup>, CDP17, PYSJ22,  
 PRV<sup>+20</sup>, ASK23, DDG<sup>+22</sup>, DCSA22,  
 MLW<sup>+23</sup>, RPBA21, RBHG21].  
**Characteristics** [KKKK18].  
**Characterization** [ASK23, AMA<sup>+14</sup>,  
 LCY19, NLW<sup>+20</sup>, TJ13b, KWFH12].  
**Charge** [RFDT15]. **Check** [LBJ<sup>+16</sup>].  
**Check-Pointing** [LBJ<sup>+16</sup>]. **Checking**  
 [MZR<sup>+14</sup>]. **Checks** [ABR<sup>+21</sup>]. **chemically**  
 [CNHL08]. **Chip**  
 [ASK23, BS21, VRBS16, BKJ19, Bis17, Bis21,  
 CLKG17, CMM<sup>+18</sup>, CZQK15, CKC<sup>+18</sup>,  
 CCW18, CTP14, DJ16, FNO<sup>+19</sup>, GMGA23,  
 KST<sup>+22</sup>, KDMT22, KK23, LDK<sup>+18</sup>,  
 LWM<sup>+14</sup>, LWY22, MSCS19, PDL15,  
 PRG<sup>+15</sup>, QCF<sup>+16</sup>, Rez23, SCLW19a, TZS14,  
 VK18, VSM19, WXW<sup>+17</sup>, XYM18, ACM<sup>+20</sup>,  
 BPH<sup>+11</sup>, CLSD18, CDG<sup>+12</sup>, CWL<sup>+13</sup>,  
 CJ14b, CA11, DLL<sup>+19</sup>, GMM12, KMC<sup>+22</sup>,  
 LMC<sup>+11</sup>, LWX<sup>+14</sup>, SCLW19b, WVG13,  
 ZFT13, ZXC10, PCD<sup>+11</sup>, YXW<sup>+12</sup>].  
**Chip-Level** [CCW18]. **Chips**  
 [CMK<sup>+21</sup>, TFR23, PHS<sup>+23</sup>]. **choices**  
 [Nar05]. **Chronic** [MGS<sup>+12</sup>]. **CIM**  
 [HVB22]. **Circuit**  
 [ACH<sup>+17</sup>, CJ16, DRSR14, GRPT13, GCJ17,  
 GB18, HSZM17, KHR<sup>+15</sup>, LZBW20, MCT18,  
 NPH18, PB21, SAAR20, TT20, TGCJ16,  
 TW22, TSMCB17, VAK18, ZLWB20, BJ10,  
 DLWW08, KCC<sup>+14</sup>, MRH12, MMJ09,  
 Moh12, SZSS10, XDX14, YWH<sup>+13</sup>].  
**Circuits** [AUDS22, AMF<sup>+15</sup>, BM15, BS15,  
 Che15, CV11, DDP20, DD14, DWK<sup>+16</sup>,  
 DNHL11, HM14, HLS14, HN12, JLL<sup>+17</sup>,  
 KZW<sup>+15</sup>, KKC17, LKK<sup>+22</sup>, LCSP14,  
 MZR<sup>+14</sup>, MJ11, PP21, PLC<sup>+13</sup>, RHB<sup>+20</sup>,  
 SMZ<sup>+19</sup>, SM11, SMT<sup>+17</sup>, TJ13b, TSB15,  
 VGZ11, WWG<sup>+19</sup>, XZR<sup>+22</sup>, ZM22,  
 BCT<sup>+13</sup>, HZY<sup>+12</sup>, KT14, LRN05, LWH14,  
 LJ14, MHL08, MN06, PSM<sup>+06</sup>, Sek07,  
 TR10, TR13, WFCX09, XCF08]. **Circular**  
 [Bis21]. **Classical** [DD14, MMD<sup>+20</sup>].  
**Classification**  
 [BYHT18, JLL<sup>+17</sup>, KPPB17, NYL<sup>+20</sup>].  
**Classifier** [MSC<sup>+21</sup>]. **Classifiers**  
 [LQYL19, LDZ22]. **Clock**  
 [CH14, Che15, ANR<sup>+14</sup>, MRH12, XPD12].  
**Clock-Controlled** [Che15]. **Clock-Tree**  
 [CH14]. **Clocking** [PP21, SSF<sup>+15</sup>].  
**Clockless** [MJ11]. **Closed**  
 [CTT<sup>+20</sup>, SSN12]. **Closed-Loop** [SSN12].  
**Cloud**  
 [DHK<sup>+23</sup>, KK23, PHS<sup>+15</sup>, AMA<sup>+14</sup>]. **CLU**  
 [DK21]. **Cluster** [DBS<sup>+21</sup>, YYBK19].  
**Cluster-based** [DBS<sup>+21</sup>, YYBK19].  
**Clustering** [DRSR14]. **Clusters**  
 [PPM<sup>+13</sup>, RT07]. **CMOS**  
 [ASP<sup>+18</sup>, CB09, Che15, HN12, HLH<sup>+12</sup>,  
 KHR<sup>+15</sup>, MP10, Nar05, NAY24, RT07,  
 RYT<sup>+07</sup>, SCI<sup>+09</sup>, SXL<sup>+12</sup>, ZJS09a, ZJS09c,  
 ZJS09b, ZJS10, ZC07, MRR12].  
**CMOS-Memristive** [NAY24].  
**CMOS-nano** [CB09]. **CMOS/** [MRR12].  
**CMOS/molecular** [RYT<sup>+07</sup>]. **CMPs**  
 [GB18, SKRX13]. **CNFET**  
 [MGMU22, PFOL07]. **CNN**  
 [DCP<sup>+21</sup>, KPM22]. **Co**  
 [GKT<sup>+18</sup>, IGGR19, KKY<sup>+20</sup>]. **Co-design**  
 [IGGR19]. **Co-optimization** [KKY<sup>+20</sup>].  
**Co-Processor** [GKT<sup>+18</sup>]. **Code**  
 [CKA23, HH11, LPW18]. **Code-based**  
 [CKA23]. **Codesign** [WXW<sup>+17</sup>]. **Cofactor**  
 [SSP14]. **Cognitive** [KZL15]. **Coherent**  
 [GB18]. **Color** [LM13]. **Combating**  
 [LPW18]. **Combination** [VMV13].  
**Combinational** [SBR19]. **combined**  
 [ZFT13]. **Communication** [KDMT22,  
 KK23, LGL15, NVW<sup>+22</sup>, LMC<sup>+11</sup>, SX11].

**Community** [HIH18]. **Compact** [JMKM21, SCT<sup>+</sup>22, DLWW08]. **Comparative** [DDR<sup>+</sup>16a, JLL<sup>+</sup>17, KWC<sup>+</sup>20, KST<sup>+</sup>22, KCWL<sup>+</sup>16]. **Compare** [REL<sup>+</sup>22]. **Comparison** [LLSO17, PYSJ22]. **Compartmentalization** [RD22]. **Compatible** [KCD15, KCC<sup>+</sup>14]. **Compensation** [MRH12]. **Competitive** [KSA<sup>+</sup>22, KHC<sup>+</sup>22]. **Compilation** [HFLZ22, NPS<sup>+</sup>20]. **Compiler** [LKK<sup>+</sup>22, RBG<sup>+</sup>22]. **Compilers** [SPS<sup>+</sup>24]. **complete** [WWG<sup>+</sup>19]. **completion** [MNT14]. **Complex** [PSY<sup>+</sup>18, TT21, WVGP13]. **Complexity** [MCH22, SGR<sup>+</sup>12]. **Component** [AHPC21]. **Components** [Mit17]. **Composable** [MHW14, ZCDD19]. **Comprehensive** [VOB19]. **Compressing** [TFZ<sup>+</sup>21]. **Compression** [MCH22]. **Compressive** [QGW20]. **Compressors** [GP17]. **Computation** [AL17, CVK15, HVB22, HSZM17, MSB<sup>+</sup>22, MMD<sup>+</sup>20, TNWD20, YLF<sup>+</sup>17, ZLB<sup>+</sup>22, YWH<sup>+</sup>13, WDT14]. **Computation-In-Memory** [HVB22, MSB<sup>+</sup>22, ZLB<sup>+</sup>22]. **Computational** [KHC<sup>+</sup>22, MSW14, TT21]. **Computations** [MDS21]. **Compute** [WWZ<sup>+</sup>22]. **Compute-in-Memory** [WWZ<sup>+</sup>22]. **Computed** [XYJ<sup>+</sup>21, XZL<sup>+</sup>21]. **Computer** [AVK16, EDZ<sup>+</sup>23, GNY<sup>+</sup>22, WZL16, CV12]. **Computers** [JRLR15, PSY<sup>+</sup>18, SCT<sup>+</sup>22]. **Computing** [Ano18, ASP<sup>+</sup>18, BY18, BOAC<sup>+</sup>20, BH17, CQZ<sup>+</sup>21, DMYT15, EDCL<sup>+</sup>22, FYJ<sup>+</sup>17, FSD22, GIS<sup>+</sup>22, HN15, JRLR15, KZL15, KKK22, KWWI17, LGL15, LP17, Mit16, MS20, NLL<sup>+</sup>17, NV14, NYL<sup>+</sup>20, NHL<sup>+</sup>17, PAF18, RCYB22, SJKS20, SCL17, SMR23, SVA<sup>+</sup>18, SBR19, SDSS14, SK16, SHB<sup>+</sup>21, SPR18, TTS22, TSMCB17, TV17, VAK18, WYZ<sup>+</sup>20, WD22, XNK18, ZSPC19, ZK18, AMA<sup>+</sup>14, KMD12, KT14, MHL08, McK07, PG12, VO06, WZSC09, WDH<sup>+</sup>09, YW13]. **Computing-In-Memory** [KKK22, WYZ<sup>+</sup>20]. **CONCEALING** [RDM<sup>+</sup>21]. **CONCEALING-Gate** [RDM<sup>+</sup>21]. **Conditional** [PSR17]. **Configuration** [Bis17]. **configuring** [RT08]. **Congenital** [XYJ<sup>+</sup>21]. **Congestion** [MKW<sup>+</sup>14, RMBC12]. **Congestion-Aware** [MKW<sup>+</sup>14, RMBC12]. **Connected** [AGD<sup>+</sup>20]. **Connections** [LKC15]. **Conservative** [PPM<sup>+</sup>13]. **consideration** [LWH14]. **Considerations** [MRR12, UMB<sup>+</sup>18, ZM22, BJ10, WOW<sup>+</sup>10]. **considering** [RYT<sup>+</sup>07, SLS<sup>+</sup>14]. **Consistent** [XZL<sup>+</sup>21]. **Constants** [Mog14]. **Constrained** [OGB18, SCLW19b, SCLW19a, TSA<sup>+</sup>24, TMG<sup>+</sup>21, XHSC07]. **Constraint** [WXW<sup>+</sup>17]. **Constraints** [CCH16, CNHL08, XHSC07]. **Constructions** [CKA23]. **Consumption** [FC18, LBJ<sup>+</sup>16, LYWW13]. **Contactless** [RDM<sup>+</sup>21]. **Content** [GG17]. **Contradictory** [DWK<sup>+</sup>16]. **Control** [GYM<sup>+</sup>17, GCB14, QGW20, RSD23b, ZXC10]. **control-path** [ZXC10]. **Controllable** [MGZ<sup>+</sup>17]. **Controllable-Polarity** [MGZ<sup>+</sup>17]. **Controlled** [Che15, DNHL11, HZSA14, MSB<sup>+</sup>22, SXL<sup>+</sup>12]. **Controllers** [ARD24]. **Converter** [TZS14]. **Convolution** [HYA<sup>+</sup>20, KPM22, SPR18]. **Convolution-over-time** [SPR18]. **Convolutional** [AHS17, DK21, KRP<sup>+</sup>21, LLX<sup>+</sup>18a, LPM<sup>+</sup>19, ORC<sup>+</sup>24, PJSM17, PSL<sup>+</sup>19, TZR20, ZH20]. **Coprocessor** [ASP<sup>+</sup>18]. **Core** [BKJ19, DMYT15, KDMT22, KPFM16, Rez23, YWF18, DJH<sup>+</sup>19]. **correlated** [MLW<sup>+</sup>23]. **Correlation** [AAF13]. **Cortically** [DBS<sup>+</sup>21]. **Cosine** [DBG<sup>+</sup>14, KSA<sup>+</sup>22]. **COSMO** [GIS<sup>+</sup>22]. **Cost** [GLL<sup>+</sup>21a, GCJ17, HSZM17, KXY16, KHC<sup>+</sup>22, LCSP14, LNL19, MRG22, LBGR08, TR10]. **Cost-competitive** [KHC<sup>+</sup>22]. **Cost-Effective** [MRG22].

**Cost-Efficient** [GLL<sup>+</sup>21a]. **count** [MCT18]. **Counter** [HON21]. **Counterfeit** [TFR23]. **Countering** [LYEK22]. **Countermeasure** [BBB<sup>+</sup>16, GCTF20]. **Countermeasures** [DLTSNA20]. **Counting** [VAK18]. **Coupled** [GKT<sup>+</sup>18, YLF<sup>+</sup>17, WWG<sup>+</sup>19]. **Coupling** [AGR<sup>+</sup>23, KKC17]. **COVID** [KKNM22]. **COVID-19** [KKNM22]. **CPDI** [XDX14]. **CPU** [REL<sup>+</sup>22]. **Critical** [CWT14, SPS<sup>+</sup>24, SHAC19]. **Critical-reliability** [CWT14]. **Criticality** [DRL<sup>+</sup>19, WDG<sup>+</sup>20, YWH<sup>+</sup>13]. **Cross** [BS15, DDG<sup>+</sup>22, DKK<sup>+</sup>15, KWC<sup>+</sup>20, KST<sup>+</sup>22, KKY<sup>+</sup>20, LYWW13, PRG<sup>+</sup>15, SS15, ZGSA15, XDX14]. **Cross-bar** [KKY<sup>+</sup>20]. **Cross-device** [DDG<sup>+</sup>22]. **Cross-Layer** [BS15, DKK<sup>+</sup>15, KST<sup>+</sup>22, PRG<sup>+</sup>15, SS15, ZGSA15, KWC<sup>+</sup>20]. **Cross-Point** [LYWW13]. **cross-power** [XDX14]. **Crossbar** [BSL<sup>+</sup>18, KZL15, LLSO17, MZZ23, NHL<sup>+</sup>17, UMB<sup>+</sup>18, WDW13, WRWW17, YL14, ZJK22, ZH20, ZK18, CQZK14, Tah09, ZMT13]. **Crossbar-based** [ZH20]. **Crossbars** [MS19, PDL15]. **Crossover** [RHB<sup>+</sup>20]. **Crossover-aware** [RHB<sup>+</sup>20]. **Crosstalk** [SMR23]. **Crypsis** [GSC17]. **Crypto** [PHS<sup>+</sup>23]. **Crypto-analysis** [PHS<sup>+</sup>23]. **Cryptographic** [ABR<sup>+</sup>21, RSBA23]. **Cryptography** [CHA20]. **Cryptosystems** [CKA23]. **Crystal** [EDCL<sup>+</sup>22]. **CSMO** [WDG<sup>+</sup>20]. **CT** [KBC<sup>+</sup>23]. **Cubes** [DRSR14]. **Current** [AMH<sup>+</sup>24, KKKK18, MGK18, RFDT15]. **Current-Voltage** [KKKK18]. **Cyber** [LBB<sup>+</sup>18]. **Cyber-Physical** [LBB<sup>+</sup>18]. **Cycle** [FSDT23, XZL<sup>+</sup>21, ZF15, SZSS10]. **Cycle-Accurate** [ZF15]. **cycle-based** [SZSS10]. **Cycles** [JRLR15]. **cycling** [GD12].

**D** [CV12, ARLB18, AGD<sup>+</sup>20, BAT<sup>+</sup>22, VRBS16, BLKM23, BCT<sup>+</sup>13, CKC<sup>+</sup>18, CMK<sup>+</sup>21, CJ14a, CBK<sup>+</sup>22, CH14, CRKP22, FRB08, HYWA09, KSB<sup>+</sup>08, KYEB15, KKC17, KWWI17, LKC15, LDK<sup>+</sup>18, LKK<sup>+</sup>22, LDP<sup>+</sup>20, MRG22, SCL17, SKRX13, TJ13b, TTS22, TZS14, VOB19, WL22a, XLBB06, XCF08, XDX14, XPD12, ZJS10, ZMC15, ZCB<sup>+</sup>22]. **D-IC** [BLKM23, CH14]. **D-NoC** [VOB19]. **D-ReG** [LDP<sup>+</sup>20]. **DAC** [CS07, LC08]. **DAHM** [AMVG12]. **Dark** [KDMT22]. **Data** [ACM<sup>+</sup>20, FHFK14, NLW<sup>+</sup>20, PSM<sup>+</sup>06, SMT<sup>+</sup>17, SCZ<sup>+</sup>12, VTKT22, ZPL<sup>+</sup>20, AMVG12, ABS<sup>+</sup>12, BPB<sup>+</sup>12, KMD12, SMR<sup>+</sup>12, ZJS09a, VTKT22]. **Dataflow** [GLL<sup>+</sup>21b]. **Dataset** [JDPH<sup>+</sup>23]. **DC** [TZS14]. **DCT** [BBB<sup>+</sup>22]. **DDR<sub>x</sub>** [HTMH18]. **De-obfuscation** [GCTF20]. **Deadline** [SN10]. **Deadlock** [LKC15]. **Deadlock-Free** [LKC15]. **decimal** [Gla14]. **Decipher** [JMKM21]. **decision** [LJ14]. **Decomposition** [HZSA14]. **Deep** [ASMK22, AHS17, ATW<sup>+</sup>22, AAO21, CKC<sup>+</sup>18, CQZ<sup>+</sup>21, CMZR23, DCP<sup>+</sup>21, DDG<sup>+</sup>22, DEW<sup>+</sup>23, HHD<sup>+</sup>23, KKKK18, KMC<sup>+</sup>22, LDP<sup>+</sup>20, LDZ22, PSR17, PAP<sup>+</sup>22, PSY<sup>+</sup>18, RBHG21, RBG<sup>+</sup>22, SM19, SMR<sup>+</sup>21, STNP21, TWLL19, WL22a, YLR<sup>+</sup>23]. **DeepPeep** [JMKM21]. **Defect** [FCR23, GUP11, WDW13, WHL<sup>+</sup>21, YL14, DWL10, PDL07, SCI<sup>+</sup>09, Tah06, Tah09, TWL09, XC08, YYC07]. **Defect-Aware** [GUP11]. **Defect-Free** [YL14]. **defect-tolerant** [YYC07, ZMT13]. **defect/error** [TWL09]. **defect/error-tolerant** [TWL09]. **Defects** [CHN09, FMW<sup>+</sup>22, KKC17, MRG22]. **Defending** [LDZ22]. **Defenses** [BGX<sup>+</sup>21]. **degradation** [Edi14, SLS<sup>+</sup>14]. **Delay** [BY18, CMJ14, CKWK18, Gla14, GCTF20, KKC17, LMM18, SMT<sup>+</sup>17, TGCJ16, CWT14, TR10]. **Delay-based** [Gla14, GCTF20]. **Delay/Power** [TGCJ16]. **Delivery** [HLH<sup>+</sup>12, WXW<sup>+</sup>17, ZSXY11, ZS08]. **Demand** [HLH<sup>+</sup>12]. **Denoising** [XZL<sup>+</sup>21].

**Dense** [SBR19]. **Denser** [RMW<sup>+</sup>17]. **dependability** [PUBV07, TG07]. **Dependence** [NPA<sup>+</sup>12]. **Dependent** [AMF<sup>+</sup>15, ZWL<sup>+</sup>15, LYL19]. **Deployment** [PJSM17]. **Deposited** [LLSO17, BPH<sup>+</sup>11]. **Depth** [HYA<sup>+</sup>20, PP21, CV12]. **Depth-bounded** [PP21]. **Depth-wise** [HYA<sup>+</sup>20]. **Depthwise** [KRP<sup>+</sup>21]. **Depthwise-Separable** [KRP<sup>+</sup>21]. **Descent** [HHD<sup>+</sup>23]. **Describing** [KAB<sup>+</sup>21]. **Design** [ASB<sup>+</sup>21, AMH<sup>+</sup>24, ACH<sup>+</sup>17, AHS22, AGR<sup>+</sup>23, BBB<sup>+</sup>22, BKJ19, BSY<sup>+</sup>16, CZ05, CJ16, CTP14, CTT<sup>+</sup>20, DKK<sup>+</sup>15, DRL<sup>+</sup>19, FSdT23, GRPT13, GP17, GG17, GJ17, HM14, JMKM21, JWJ<sup>+</sup>17, KBT24, KHC<sup>+</sup>22, KT20, LPB<sup>+</sup>15, LDK<sup>+</sup>18, LPW18, LML<sup>+</sup>19, LZBW20, LZCX22, MRR12, MSB<sup>+</sup>22, MS20, MCT18, NPH18, NV14, OBLD14, PCD<sup>+</sup>11, PUBV07, RDM<sup>+</sup>21, Rez23, SFD17, SAAR20, SDSS14, SS15, SN11, TJ13a, TR10, TR13, TTS22, TSB15, TSMCB17, UMB<sup>+</sup>18, WOW<sup>+</sup>10, WD22, XLBB06, XZR<sup>+</sup>22, ZJK22, ZJS09a, ZLWB20, ZSPC19, ZCB<sup>+</sup>22, ZGSA15, dLBHC22, BJ10, BCT<sup>+</sup>13, CB09, CDG<sup>+</sup>12, CJ14b, CNHL08, DMR06, DLWW08, Gla14, GRS05, HMS<sup>+</sup>05, HZY<sup>+</sup>12, IGGR19, KP10, LBGR08, LMC<sup>+</sup>11, MLK<sup>+</sup>08, MRH12, MN06, Nar05, OSLT06, RMBC12, SXL<sup>+</sup>12, WFCX09, XDX14, XHSC07, ZC07, ZXC10, ZJS09c]. **design-considerations** [BJ10]. **Design-time** [AMH<sup>+</sup>24]. **Designing** [AVK16, ARD24, DBG<sup>+</sup>14, RYT<sup>+</sup>07, TKBM12]. **Designs** [ACJ17, FNO<sup>+</sup>19, SM19, TZS14, ANR<sup>+</sup>14, ZS08]. **Detect** [JWJ<sup>+</sup>17, TFR23]. **Detecting** [JCK23]. **Detection** [ABM21, ATW<sup>+</sup>22, BYHT18, CKWK18, DRG21, GLL<sup>+</sup>21a, HIH18, KBC<sup>+</sup>23, KPFM16, MGMU22, MLP<sup>+</sup>20, MKG<sup>+</sup>23, SGR<sup>+</sup>12, TW22, ZFT13]. **Detection-Based** [KBC<sup>+</sup>23]. **Detector** [LTKP16]. **Detector-Based** [LTKP16]. **Development** [FMW<sup>+</sup>22]. **Device** [BJ10, CJ14a, EFRB22, HVB22, HD14, LZBW20, SAAR20, YJ18, ZLWB20, ZK19, DDG<sup>+</sup>22, Edi14, RYT<sup>+</sup>07]. **Device-aware** [SAAR20]. **Device-Type** [YJ18]. **Devices** [ALY<sup>+</sup>21, BOAC<sup>+</sup>20, CKB20, GBLD15, KT20, LZCX22, MZZ23, NPA<sup>+</sup>12, PDL15, STSG17, TFZ<sup>+</sup>21, TMG<sup>+</sup>21, JRC<sup>+</sup>13, MHL08, RT08, YW13]. **DFR** [BY18]. **Diagnosis** [WHL<sup>+</sup>21, DJRM09, DDM<sup>+</sup>06]. **Diagonal** [HZSA14]. **diagram** [LJ14]. **Diamond** [ATW<sup>+</sup>22]. **Digit** [KSA<sup>+</sup>22]. **Digital** [BMTP24, BMB18, Che15, GLL<sup>+</sup>21a, GCB14, HM14, HLS14, IBO22, KZL15, LBB<sup>+</sup>18, MPM13, OGB18, DJRM09, DDM<sup>+</sup>06, KT14, LZCX22, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Digital-Microfluidic** [LBB<sup>+</sup>18]. **dilution** [RBGC14]. **Dimension** [ST20]. **Dimensional** [GUP11, MLK<sup>+</sup>08, WFCX09, XS14]. **DINOS** [VTKT22]. **diode** [BJ10, DMR06]. **diode-based** [DMR06]. **diodes** [LM13]. **Directed** [CKB20]. **Direction** [HMP<sup>+</sup>22]. **Direction-aggregated** [HMP<sup>+</sup>22]. **Directional** [NVW<sup>+</sup>22]. **Disassembly** [PRV<sup>+</sup>20]. **Disease** [XYJ<sup>+</sup>21]. **displacements** [SWJ07]. **dissipation** [MHL08]. **Distance** [CV11, TT20]. **Distributed** [AAO21, LGYC21, NHL<sup>+</sup>17, AMVG12, STA<sup>+</sup>12, VMNI08]. **distributed-memory** [VMNI08]. **Distribution** [MGST22, RSBA23, XPD12]. **Disturbance** [ZCX<sup>+</sup>17]. **Diverse** [OK22]. **Division** [XLL<sup>+</sup>18]. **DL** [DDG<sup>+</sup>22]. **DMAC** [RSD23b]. **DNA** [MT14, SKB13, VTKT22]. **DNN** [HYA<sup>+</sup>20, LTO22, MMAAK23, SPS<sup>+</sup>24]. **DNNs** [JMKM21]. **Domain** [KWC<sup>+</sup>20, Mit17, SBZT20, XDX14]. **Domain-Wall** [Mit17, SBZT20]. **Dormant** [DRG21]. **Dot** [DPB11, TNWD20, DWL10, WDH<sup>+</sup>09]. **DPA** [DLTSNA20, ZJ11]. **DRAM** [ARD24, YYBK19]. **DRAM-Flash** [YYBK19]. **DRAMs** [BJ10]. **Driven**



[LHW<sup>+17</sup>, BGX<sup>+21</sup>, GMM12, WDG<sup>+20</sup>, XS14]. **driver** [HCTK08]. **Droplet** [GHHW19, HRR19, MPM13, XHSC07, XC08]. **Droplet-Aware** [MPM13]. **droplet-interference** [XHSC07]. **Dropout** [IBO22]. **Drug** [HLH<sup>+12</sup>]. **DSE** [WDG<sup>+20</sup>]. **DSP** [TWL09]. **DTA** [TMG<sup>+21</sup>]. **DTA-PUF** [TMG<sup>+21</sup>]. **Dual** [DLTSNA20, MFA<sup>+13</sup>, PAF18, PP21, YJ18, MP10]. **dual-** [MP10]. **Dual-Mode** [PAF18]. **Dual-Rail** [DLTSNA20]. **Durable** [BGX<sup>+21</sup>]. **duty** [GD12]. **DVFS** [MKW<sup>+14</sup>, ZF15]. **DWT** [SGR<sup>+12</sup>]. **Dynamic** [CThG15, GB18, JOF<sup>+15</sup>, MRH12, MEHT21, QGW20, SMT21, SHB<sup>+21</sup>, TMG<sup>+21</sup>, YMWH21, ZMC15, AMVG12, DLL<sup>+19</sup>, WWJ09]. **Dynamically** [AIK21, ZJS09a, ZJS09c, ZJS09b, ZJS10].

**Early** [Ko12, XLW<sup>+18</sup>, ZJK22, ZGSA15]. **Early-Stage** [ZGSA15]. **Easy** [DDR<sup>+16b</sup>]. **ECC** [PFR17]. **ECDSA** [BBB<sup>+16</sup>]. **ECG** [SCZ<sup>+12</sup>, ZBF<sup>+22</sup>]. **Ecosystem** [OK22]. **Edge** [CQZ<sup>+21</sup>, KK23, MZZ23, MGMU22, SPS<sup>+24</sup>, XZL<sup>+21</sup>]. **Editor** [CLKG17, SCLW19a, Ano18]. **Editorial** [CS07, Cha10, CFK22, HVB22, IN05, JHPG22, Kar20, McK07, Nar08, SLCJ22, SK16, TSB15, TSMCB17, TV17, XCF08, ZLWB20, Shu09]. **Editors** [CLSD18, FNO<sup>+19</sup>, GMGA23, SCLW19b]. **EEG** [KRP<sup>+21</sup>]. **Effect** [CV11, LYWW13, XPD12, HZY<sup>+12</sup>]. **Effective** [MRG22, MKG<sup>+23</sup>, ZBF<sup>+22</sup>]. **effects** [MLK<sup>+08</sup>]. **Efficiency** [CMM<sup>+18</sup>, LLSO17, TKBM12, YMWH21, ZS08]. **Efficient** [BYHT18, CQL21a, CQL21b, CRKP22, DDG<sup>+22</sup>, DJRM09, GLL<sup>+21a</sup>, GLL<sup>+21b</sup>, HN12, HHD<sup>+23</sup>, KDMT22, KT20, LKC15, LPW18, LMZZ24, MGMU22, MMAAK23, NV14, NAY24, PJSM17, PSR17, PAF18, RSD23b, SVA<sup>+18</sup>, SMT21, SDSS14, SMT<sup>+17</sup>, SPR18, TZR20, VSRR15, WGY21, XLW<sup>+18</sup>, ANR<sup>+14</sup>, BY18, BS21, GD12, KSB<sup>+08</sup>, LML<sup>+19</sup>, LYL19, MS20, MSC<sup>+21</sup>, PT12, TR13, XZR<sup>+22</sup>, SM11]. **Elastic** [PHS<sup>+15</sup>, ZM22]. **Elasticity** [GOGCK11]. **Electric** [RFDT15]. **Electrical** [YLR<sup>+23</sup>]. **Electro** [ACJ17, DEW<sup>+23</sup>]. **Electro-Photonic** [ACJ17, DEW<sup>+23</sup>]. **Electroencephalography** [TKBM12]. **Electrograms** [ZBF<sup>+22</sup>]. **Electromagnetics** [CFK22]. **Electron** [CEW<sup>+13</sup>, CCH16, WHL<sup>+21</sup>, HYWA09]. **Electronic** [MGST22, YXW<sup>+12</sup>, JRC<sup>+13</sup>]. **Electronics** [BY12, CFK22, Ko12, HCTK08, WZSC09]. **Electrostatic** [GPW<sup>+15</sup>, KKC17]. **electrostatics** [KTW08]. **Electrothermal** [CSKM13, HLH<sup>+12</sup>]. **Element** [SMT<sup>+17</sup>]. **elements** [CW08]. **EM-X-DL** [DDG<sup>+22</sup>]. **Embedded** [FKM22, JCK23, JWJ<sup>+17</sup>, LBJ<sup>+16</sup>, SMR23, TZR20, WHB<sup>+21</sup>, MCT10]. **Embedding** [HIH18, SWK<sup>+16</sup>]. **Embryonics** [TMM<sup>+07</sup>]. **Emerging** [BSY<sup>+16</sup>, DMYT15, DLTSNA20, FMP<sup>+21</sup>, FNO<sup>+19</sup>, GBLD15, KZW<sup>+15</sup>, KBM21, MSB<sup>+22</sup>, MAC<sup>+21</sup>, MPR<sup>+22</sup>, TSB15, WZSC09, BC08, Edi14, PUBV07]. **Employing** [KST<sup>+22</sup>]. **Emulation** [RCYB22]. **Enabled** [CDP17, Rez23, EFRB22, NVW<sup>+22</sup>, WVG13]. **Encoder** [QGW20]. **Encoding** [ZWL<sup>+15</sup>]. **End** [FKM22]. **End-to-End** [FKM22]. **Energy** [ACH<sup>+17</sup>, BY18, CMM<sup>+18</sup>, CRKP22, DNHL11, GD12, KT20, LPB<sup>+15</sup>, LKC15, LLSO17, LML<sup>+19</sup>, LMZZ24, LYWW13, LJL18, LYL19, MS20, NLW<sup>+20</sup>, NAY24, PFR17, PSR17, PAF18, RFDT15, SVA<sup>+18</sup>, SCLW19b, SCLW19a, STA<sup>+12</sup>, SMT<sup>+17</sup>, SPR18, TKBM12, TNWD20, VSRR15, ZSXY11, KMD12, KSB<sup>+08</sup>, KP10, MHL08, MCT10, SMR<sup>+12</sup>, WOW<sup>+10</sup>, WCSA10, SM11]. **Energy-** [STA<sup>+12</sup>]. **energy-adaptive** [KMD12]. **Energy-Constrained** [SCLW19b, SCLW19a]. **Energy-Efficiency** [LLSO17]. **Energy-Efficient**

[CRKP22, KT20, LKC15, LMZZ24, NAY24, PSR17, SVA<sup>+</sup>18, SMT<sup>+</sup>17, SPR18, VSRR15, BY18, GD12, LML<sup>+</sup>19, LYL19, MS20, SM11]. **Energy-Neutral** [LPB<sup>+</sup>15]. **enforced** [RD22]. **Engine** [ERGK21, KWG<sup>+</sup>20, ZK18]. **Engineering** [BWL<sup>+</sup>21, CCW18, QCF<sup>+</sup>16]. **Engines** [AL17, WWZ<sup>+</sup>22]. **Enhanced** [AHS22, PYSJ22]. **enhancement** [SC06]. **Enhancing** [FMTP22, KMD12]. **Ensembles** [WGY21]. **Entanglement** [ST20]. **Environment** [RNN<sup>+</sup>22, OSLT06]. **Epidemiology** [KKNM22]. **Epilepsy** [SSN12]. **Epileptic** [SGR<sup>+</sup>12]. **equation** [KTW08]. **Era** [KDMT22, MAC<sup>+</sup>21, SMR<sup>+</sup>21, TSMCB17]. **Error** [AHS21, GYM<sup>+</sup>17, NPS<sup>+</sup>20, LWX<sup>+</sup>14, ZXC10]. **Error-Aware** [NPS<sup>+</sup>20]. **Error-Tolerant** [GYM<sup>+</sup>17, TWL09]. **Errors** [LPW18, SKRX13]. **ESN** [GLL<sup>+</sup>21a]. **ESOP** [DRSR14]. **Estimation** [CMJ14, GCJ17]. **Eternal** [RSD<sup>+</sup>23a]. **Eternal-thing** [RSD<sup>+</sup>23a]. **Eucalyptus** [AMA<sup>+</sup>14]. **Evaluating** [CMZR23, RT07, SJKS20]. **Evaluation** [CTP14, DRL<sup>+</sup>19, GRS05, IBO22, JLL<sup>+</sup>17, MKW<sup>+</sup>14, WGY21, CDG<sup>+</sup>12]. **Events** [KWG<sup>+</sup>20]. **EVHA** [AML<sup>+</sup>23]. **Evolutionary** [HM14, Sek07]. **Evolving** [TG07]. **Exact** [TSÁ<sup>+</sup>24]. **Examples** [HMP<sup>+</sup>22, HYPW22]. **Exascale** [DMYT15]. **Execution** [MPM13]. **Existing** [WWC23]. **Exit** [XLW<sup>+</sup>18]. **Explainable** [AML<sup>+</sup>23]. **Explained** [MLP<sup>+</sup>20]. **Explicit** [ABR<sup>+</sup>21]. **Exploiting** [ACM<sup>+</sup>20, DK21, JMKM21, KXY16, SLC<sup>+</sup>17, VDB<sup>+</sup>16]. **Exploits** [WYZ<sup>+</sup>20]. **Exploration** [LDK<sup>+</sup>18, WKL16, ZJK22, TJ13a, XLBB06, ZJS09a, ZC07]. **Exploring** [KAB<sup>+</sup>21, RD22, SKRX13]. **Extended** [PPM<sup>+</sup>13]. **Extensible** [KAKSP14]. **Extension** [MMD<sup>+</sup>20]. **Extracting** [NPS<sup>+</sup>20]. **Extraction** [YL14]. **Extractor** [RFDT15]. **Extreme** [KKK22]. **Fabric** [DPB11]. **Fabrication** [CCH16, VDB<sup>+</sup>16]. **Fabrication-Induced** [VDB<sup>+</sup>16]. **Fabrics** [NLK<sup>+</sup>13]. **Failure** [KYEB15, KKY<sup>+</sup>20, PFRR17, VAK18]. **Failure-Aware** [PFRR17]. **Fast** [KBC<sup>+</sup>23, SMT21, SKB13, WDG<sup>+</sup>20, YL14, ZCSG21]. **Fault** [ABR<sup>+</sup>21, BBB<sup>+</sup>16, BKJ19, CBK<sup>+</sup>22, CVK15, DJ16, FMW<sup>+</sup>22, HH11, IBO22, JCK23, JWJ<sup>+</sup>17, LDPPB21, LCK19, MGZ<sup>+</sup>17, PHS<sup>+</sup>23, SLC<sup>+</sup>17, VAK18, DDM<sup>+</sup>06, SCI<sup>+</sup>09]. **Fault-Based** [BBB<sup>+</sup>16, IBO22]. **Fault-Injection** [JCK23, PHS<sup>+</sup>23]. **Fault-Tolerant** [BKJ19, CVK15, DJ16, HH11, LCK19, MGZ<sup>+</sup>17, ABR<sup>+</sup>21]. **faults** [CHN09]. **Feature** [SPR18]. **Feedback** [BY18]. **Ferroelectric** [LWY22]. **Ferroelectric-Based** [LWY22]. **Field** [AGR<sup>+</sup>23, ATW<sup>+</sup>22, BMB18, KR18, NPA<sup>+</sup>12, WWG<sup>+</sup>19, HZY<sup>+</sup>12]. **Field-coupled** [WWG<sup>+</sup>19]. **Field-Coupling** [AGR<sup>+</sup>23]. **field-effect** [HZY<sup>+</sup>12]. **Fields** [CThG15]. **File** [WX15]. **Files** [ZCX<sup>+</sup>17]. **Fin** [BSS16]. **Fine** [BLKM23, SMT<sup>+</sup>17, MLK<sup>+</sup>08]. **Fine-Grain** [SMT<sup>+</sup>17, MLK<sup>+</sup>08]. **Fine-grained** [BLKM23]. **FinFET** [BJ10, BSS16, CMJ14, CJ14a, CJ14b, CJ15, DLTSNA20, FCR23, GJ17, KCWL<sup>+</sup>16, LJ10, MMJ09, SSF<sup>+</sup>15, TJ13a, TJ13b, TGCJ16, YJ18, ZJ11]. **FinFET-Based** [SSF<sup>+</sup>15, ZJ11, LJ10]. **FinFETs** [CJ16, GVRR17, GJ17]. **Fingerprinting** [Bis21]. **Firmware** [FKM22]. **Flash** [HC15, YYBK19]. **Flexible** [BKJ19, KRP<sup>+</sup>21, MMAAK23, PAF18, HCTK08, LWH14]. **Flip** [AM18]. **Flip-N-Write** [AM18]. **Floating** [HC15, NV14]. **Flow** [GCB14, ZPL<sup>+</sup>20, DMR06, ZJS09c]. **Fluidic** [WWC23]. **fluids** [RBGC14]. **Fluigi** [HD14]. **fly** [IASK20]. **Folding** [MMAAK23]. **Forest** [MPZ21]. **Form** [CTT<sup>+</sup>20]. **Formal** [CCTP08, GYM<sup>+</sup>17]. **Formalizing** [FHFk14]. **formulation** [YYC07].

**formulations** [ZMT13]. **Fortifying** [LTM22]. **FPGA** [AHPC21, AHS22, BRZ21, CKA23, GLL<sup>+21a</sup>, HON21, LLX<sup>+18a</sup>, LLX<sup>+18b</sup>, LYL19, LMM18, RCYB22]. **FPGA-Based** [LLX<sup>+18b</sup>, AHS22, HON21, RCYB22]. **FPGAs** [AAO21, RT07, ZPL<sup>+20</sup>]. **FPIC** [JDPH<sup>+23</sup>]. **Framework** [CJ15, FKM22, FMW<sup>+22</sup>, HFLZ22, KAS<sup>+22</sup>, KBC<sup>+23</sup>, KPFM16, LPB<sup>+15</sup>, LH20, LLX<sup>+18b</sup>, NPH18, PRG<sup>+15</sup>, RCYB22, SDSS14, XYJ<sup>+21</sup>, ZJK22, MCT10]. **Fredkin** [DJ08]. **Free** [DBG<sup>+14</sup>, GLMG<sup>+15</sup>, LKC15, Mog14, WRWW17, YL14]. **Frequency** [CFK22, EFRB22, JOF<sup>+15</sup>, KAKSP14, LTKP16]. **Frontiers** [CLSD18]. **Frontside** [DDR<sup>+16a</sup>]. **Full** [MGMU22]. **Fully** [CCWCC15, KXY16, TZR20]. **Function** [LQYL19, TMG<sup>+21</sup>]. **Functional** [GCO<sup>+11</sup>, Sek07]. **Functions** [DDR<sup>+16b</sup>, FSD22, LTM22, SWK<sup>+16</sup>, UMB<sup>+18</sup>, PT12]. **Fundamentals** [PLC<sup>+13</sup>]. **Fusing** [ORC<sup>+24</sup>]. **Future** [BLKM23, DLTSNA20, GMGA23, KAB<sup>+21</sup>, RSD23b, CA11, MN06].

**GALS** [PCD<sup>+11</sup>]. **Gap** [LDPPB21]. **Garbage** [DBG<sup>+14</sup>, Mog14, TR10]. **Garbage-Free** [DBG<sup>+14</sup>, Mog14]. **GARDENIA** [XCS<sup>+19</sup>]. **gas** [HYWA09]. **Gate** [HC15, LSH14, RDM<sup>+21</sup>]. **Gated** [BJ10, JRJ22]. **Gated-diode** [BJ10]. **Gated-RRAM** [JRJ22]. **Gates** [AHSZ16, CJ14a, DWK<sup>+16</sup>, HZSA14, DJ08]. **Gating** [HN12, ZF15]. **Geckos** [GSC17]. **gem5** [CJ15]. **gem5-PVT** [CJ15]. **Generalized** [WHL<sup>+21</sup>, RBGC14]. **Generation** [AMH<sup>+24</sup>, HYPW22, KK23, MKG<sup>+23</sup>, TW22, WJWM23, XCS<sup>+19</sup>]. **Generator** [CKA23]. **Generators** [LTKP16, ST20]. **Genes** [AAF13]. **Genetic** [ARD24, BBB<sup>+22</sup>, MZR<sup>+14</sup>]. **Genetic-algorithm-based** [BBB<sup>+22</sup>]. **genomics** [GN08]. **geographically** [AMVG12]. **Geometric** [DSB16]. **Global** [DDP20, XPD12]. **GPGPU** [LCY19, TWLL19, WX15]. **GPU** [BS21, CRKP22, LLX<sup>+18a</sup>, LML<sup>+19</sup>, MPZ21]. **GPU-Outperforming** [LLX<sup>+18a</sup>]. **GPUOPT** [BS21]. **GPUs** [SPS<sup>+24</sup>, ZCX<sup>+17</sup>]. **Gradient** [HYPW22, HHD<sup>+23</sup>]. **Grain** [SMT<sup>+17</sup>, MLK<sup>+08</sup>]. **grained** [BLKM23]. **Graph** [CRKP22, FSD22, MDS21, PP21, XCS<sup>+19</sup>]. **Graph-based** [FSD22]. **Graphene** [DDP20, HC15, KHR<sup>+15</sup>, WLJC21, WZSC09]. **Graphene-Based** [WLJC21, WZSC09]. **green** [AMVG12, PG12]. **greener** [GD12]. **Grid** [ZGSA15]. **Guarantees** [GYM<sup>+17</sup>]. **Guarding** [DCSA22]. **Guest** [CLKG17, CFK22, HVB22, JHPG22, SCLW19a, SLCJ22, Shu09, SK16, TSB15, TSMCB17, ZLWB20, Ano18, CLSD18, FNO<sup>+19</sup>, GMGA23, SCLW19b]. **Guided** [MCH22, WDG<sup>+20</sup>].

**H** [HCTK08]. **Hack** [MLP<sup>+20</sup>]. **Hamming** [RSBA23, TT20]. **Hardening** [LBB<sup>+18</sup>]. **Hardware** [ASB<sup>+21</sup>, ABR<sup>+21</sup>, ALY<sup>+21</sup>, ASK23, AHS22, ATW<sup>+22</sup>, BBB<sup>+22</sup>, BSY<sup>+16</sup>, BGX<sup>+21</sup>, BHL19, BWL<sup>+21</sup>, BVM<sup>+19</sup>, CRSSBMR21, CLKG17, CLSD18, CQL21a, CQL21b, CCWCC15, CKWK18, DBS<sup>+21</sup>, DRG21, DCSA22, EFRB22, FMP<sup>+21</sup>, GCC<sup>+23</sup>, GFZ13, HIH18, AML<sup>+23</sup>, IGGR19, KPM22, KKY<sup>+20</sup>, KRG<sup>+23</sup>, KCD15, KKNM22, LQYL19, LFDS22, LJL18, LCK19, MEHT21, MAC<sup>+21</sup>, MPR<sup>+22</sup>, MKG<sup>+23</sup>, PJSM17, SLC<sup>+17</sup>, SBR19, SCLW19b, SCLW19a, SLCJ22, WYZ<sup>+20</sup>, WHB<sup>+21</sup>, XLW<sup>+18</sup>, ZLGL21, TMM<sup>+07</sup>]. **Hardware-accelerated** [KKNM22]. **Hardware-Assisted** [MPR<sup>+22</sup>]. **Hardware-Aware** [SLCJ22]. **Hardware-Based** [LQYL19, MAC<sup>+21</sup>]. **Hardware-oriented** [AHS22]. **Hardware-Software** [IGGR19].

**Harvesting** [RSD<sup>+</sup>23a, RFDT15, ZSXY11, KP10, MCT10, WOW<sup>+</sup>10, WCSA10]. **Hashing** [JCK23]. **HBM** [ARD24]. **HDL** [OSLT06]. **HDLQ** [OSLT06]. **Heart** [XYJ<sup>+</sup>21]. **Hermitian** [AHSZ16, HZSA14]. **Heterogeneous** [AAF13, BHL19, CTP14, HTMH18, IASK20, KHR<sup>+</sup>15, LGL15, LDP<sup>+</sup>20, MMD<sup>+</sup>20, SM19, VK18]. **Heterojunction** [KCWL<sup>+</sup>16]. **Heuristic** [BM15, PT12]. **Heuristics** [RPBA21]. **Hiding** [FHF14]. **Hierarchical** [DBS<sup>+</sup>21, LFDS22, YXW<sup>+</sup>12]. **Hierarchy** [PHS<sup>+</sup>15, VSRR15]. **High** [ASP<sup>+</sup>18, BYHT18, BH17, CJ16, CRKP22, GN08, HRR19, LTKP16, LML<sup>+</sup>19, LZX<sup>+</sup>21, MTC<sup>+</sup>08, PAB<sup>+</sup>17, PSY<sup>+</sup>18, PAC<sup>+</sup>22, SC08, WL22b, XLL<sup>+</sup>18, ZM22, Bea11, BPH<sup>+</sup>11, CA11, LMC<sup>+</sup>11, MN06, PFOL07, RMBC12, WWJ09, ZS08, SM11]. **high-**[MP10]. **high-efficiency** [ZS08]. **High-level** [MTC<sup>+</sup>08, PAC<sup>+</sup>22, SC08, ZM22]. **High-Performance** [ASP<sup>+</sup>18, BH17, CJ16, CRKP22, PSY<sup>+</sup>18, HRR19, LML<sup>+</sup>19, Bea11, BPH<sup>+</sup>11, LMC<sup>+</sup>11, WWJ09, SM11]. **High-Speed** [BYHT18, LTKP16, PAB<sup>+</sup>17, XLL<sup>+</sup>18]. **high-throughput** [CA11, RMBC12]. **Higher** [ST20]. **Highlights** [DR11]. **Highly** [HN12, MGMU22]. **Highly-Efficient** [MGMU22]. **History** [Ko12]. **HMC** [HTMH18]. **Holistic** [BAT<sup>+</sup>22]. **Homogeneous** [HRR19]. **Horse** [DRG21]. **hosting** [AMVG12]. **HPC** [KK23]. **HTM** [ZK19]. **Human** [KWWI17]. **Human-Scale** [KWWI17]. **Hut** [MPZ21]. **HW** [JRLR15]. **HW/SW** [JRLR15]. **Hybrid** [DJ16, DLL<sup>+</sup>19, HAV<sup>+</sup>22, HH11, LNL19, LQYL19, LWM<sup>+</sup>14, LWY22, NAY24, PHS<sup>+</sup>15, PAP<sup>+</sup>22, SMT21, WDW13, YLR<sup>+</sup>23, YYPK17, YYBK19, CB09, CJ14b, LBGR08, LMC<sup>+</sup>11, RT07, SCI<sup>+</sup>09, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Hypercolumn** [PSL<sup>+</sup>19]. **Hyperdimensional** [SBR19]. **Hypervectors** [SBR19]. **IBM** [NPS<sup>+</sup>20]. **IC** [BLKM23, CH14, SMZ<sup>+</sup>19]. **iConn** [LGL15]. **ICs** [ARLB18, BLKM23, CKC<sup>+</sup>18, CBK<sup>+</sup>22, FRB08, MRG22, RSBA23, SCL17, TZS14, XS14, ZCB<sup>+</sup>22]. **Identification** [KRP<sup>+</sup>21, SMZ<sup>+</sup>19, CWT14]. **identify** [PT12]. **Idle** [SLC<sup>+</sup>17]. **IEEE** [Shu09]. **IEEE/ACM** [Shu09]. **II** [ZJS09c]. **ILP** [ZMT13]. **Image** [BWL<sup>+</sup>21, CLZ<sup>+</sup>22, MGMU22, MCH22, PSR17, LM13]. **Images** [ATW<sup>+</sup>22, KBC<sup>+</sup>23, XZL<sup>+</sup>21]. **IMFlexCom** [PAF18]. **Impact** [BSS16, DNHL11, KAKSP14, KKC17, KMC<sup>+</sup>22, LZX<sup>+</sup>21, MGK18]. **Implantable** [BY12, HLH<sup>+</sup>12, Ko12, MGS<sup>+</sup>12, SSN12, SCZ<sup>+</sup>12]. **Implants** [MLP<sup>+</sup>20]. **Implementation** [VDK<sup>+</sup>21, CRSSBMR21, JOF<sup>+</sup>15, LFDS22, LLX<sup>+</sup>18b, LMM18, PCD<sup>+</sup>11, SSN12, XLW<sup>+</sup>18]. **Implementations** [BVM<sup>+</sup>19, DBG<sup>+</sup>14]. **Implementing** [SMR<sup>+</sup>12]. **Implicant** [PT14a]. **Implicant-Implicit** [PT14a]. **Implications** [KAB<sup>+</sup>21, VO06]. **Implicit** [PT14a]. **Improve** [HSZM17]. **Improved** [DRSR14, DRG21, PT14a, PSR17, ZJ11]. **Improvement** [RBHG21, XZR<sup>+</sup>22, YMWH21, ANR<sup>+</sup>14, FRB08]. **Improving** [AHPC21, CMM<sup>+</sup>18, MPZ21, ON15, RBHG21, SCL17, YWF18]. **In-Field** [BMB18]. **In-Memory** [HFLZ22, HHD<sup>+</sup>23, NHL<sup>+</sup>17, PAF18, TT20, KMC<sup>+</sup>22]. **In-storage** [ORC<sup>+</sup>24]. **Incoherent** [YLR<sup>+</sup>23]. **Incremental** [XLW<sup>+</sup>18]. **independent** [Tah06]. **indoor** [WOW<sup>+</sup>10]. **Induced** [PAC<sup>+</sup>22, VDB<sup>+</sup>16]. **Inductor** [TZS14]. **Inductor-Based** [TZS14]. **inductors** [SXL<sup>+</sup>12]. **Inexact** [KT14, MGMU22]. **Inference** [KWG<sup>+</sup>20, KKNM22, MZZ23, WWZ<sup>+</sup>22, ZCDD19]. **Information** [AAF13, HLS14, PRV<sup>+</sup>20, DWL10]. **information-theoretic** [DWL10]. **Infrastructure** [LGL15, PB21, AMA<sup>+</sup>14]. **Inherently** [ABR<sup>+</sup>21]. **Initialization**

[KKY<sup>+</sup>20]. **Injection** [DDR<sup>+</sup>16a, JCK23, JWJ<sup>+</sup>17, LDPPB21, PHS<sup>+</sup>23]. **Inkjet** [RHB<sup>+</sup>20]. **INspired** [VTKT22, CZQK15, DBS<sup>+</sup>21, BY18, CQZK14]. **instability** [KCC<sup>+</sup>14]. **Integer** [DBG<sup>+</sup>14, WL22a]. **Integer-arithmetic** [WL22a]. **integral** [KTW08]. **Integrated** [BS15, ISI<sup>+</sup>18, KKC17, KHC<sup>+</sup>22, LKK<sup>+</sup>22, MMAAK23, NLK<sup>+</sup>13, TJ13b, TW22, XC08, XLL<sup>+</sup>18, ZXC10, Bea11, BCT<sup>+</sup>13, HCTK08, MN06, WFCX09, XCF08]. **Integration** [AAF13, KWWI17, MLK<sup>+</sup>08, SX11]. **Integrity** [CMZR23, PB21]. **Intel** [RBG<sup>+</sup>22]. **Intellectual** [Bis21]. **Intelligence** [Dea14, KBM21, XYJ<sup>+</sup>21]. **Intelligence-based** [XYJ<sup>+</sup>21]. **Inter** [CMK<sup>+</sup>21, CBK<sup>+</sup>22]. **Inter-Layer** [CBK<sup>+</sup>22]. **Inter-tier** [CMK<sup>+</sup>21]. **Interaction** [CV11]. **Interactions** [NPA<sup>+</sup>12]. **Interconnect** [BPS19, KMC<sup>+</sup>22, MN06, MTC<sup>+</sup>08]. **interconnection** [LJ10]. **Interconnects** [DDP20, KBT24, LLSO17, LKL<sup>+</sup>18, Bea11]. **Interface** [WKL16, XDX14]. **interference** [XHSC07]. **Intermittent** [RCYB22]. **Intermittently** [ZPL<sup>+</sup>20]. **Internet** [MPR<sup>+</sup>22]. **Interpolation** [ZCSG21]. **Interposer** [KBT24]. **Interpreting** [GCB14]. **interstitial** [SC06]. **Intracardiac** [ZBF<sup>+</sup>22]. **Introduction** [Ano18, AD14, BC08, Bah09, BY12, CLKG17, CLSD18, CQL21a, CQL21b, DR11, DHK<sup>+</sup>23, Edi14, FSMT23, FMP<sup>+</sup>21, FNO<sup>+</sup>19, GMGA23, Gui13, HN15, KK23, KP10, LC08, LZBW20, MPR<sup>+</sup>22, MSW14, PG12, PR13, SCLW19b, SCLW19a, SX11, SS15, SN11, TTS22, WDT14, WD22]. **Intrusion** [BYHT18]. **Investigating** [MLK<sup>+</sup>08]. **Investigation** [GCTF20]. **IoT** [EFRB22, KT20, LYEK22, RSD<sup>+</sup>23a, RDS24, STSG17, TFZ<sup>+</sup>21, TW22]. **IoT-based** [RDS24]. **IP** [ASMK22, GCC<sup>+</sup>23, OK22, SMZ<sup>+</sup>19]. **IP/IC** [SMZ<sup>+</sup>19]. **Iris** [TZR20, LMC<sup>+</sup>11]. **irregular** [LDL10]. **Irreversible** [HLS14]. **Issue** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK<sup>+</sup>23, FSMT23, FMP<sup>+</sup>21, GMGA23, Gui13, HN15, KK23, LZBW20, MPR<sup>+</sup>22, MSW14, SS15, SLCJ22, SK16, SN11, TTS22, TSB15, TSMCB17, TV17, WDT14, WD22, ZLWB20, AD14, BC08, CS07, Edi14, McK07, PG12, PR13, XCF08]. **JETC** [BC08, SLCJ22, TV17, ZLWB20]. **JETC/TODAES** [BC08]. **Job** [MNT14]. **joint** [BC08]. **JTAG** [PB21]. **Junction** [VDB<sup>+</sup>16]. **Junctionless** [BSS16]. **Keeping** [ABS<sup>+</sup>12]. **Kernels** [LCY19]. **Ket** [CD22]. **Key** [BBB<sup>+</sup>16, CKA23, MKMS22]. **Key-Sharing** [MKMS22]. **Kilobyte** [TFZ<sup>+</sup>21]. **Kilocore** [ACJ17]. **KNN** [MPZ21]. **Kogge** [BSL<sup>+</sup>18]. **Kronecker** [TFZ<sup>+</sup>21]. **L2** [PAB<sup>+</sup>17]. **lab** [ZXC10]. **lab-on-chip** [ZXC10]. **labeling** [EWKWN07]. **Laboratories** [DHK<sup>+</sup>23]. **Language** [CTT<sup>+</sup>20, MMD<sup>+</sup>20, OBLD14]. **Large** [Bea11, KCD15, LGYC21, PDL15, SWK<sup>+</sup>16]. **Large-Scale** [KCD15, Bea11, LGYC21]. **Laser** [DDR<sup>+</sup>16a, LKL<sup>+</sup>18]. **Lasers** [FC18]. **Last** [NLW<sup>+</sup>20]. **Last-level** [NLW<sup>+</sup>20]. **Latency** [DKK<sup>+</sup>15, CA11]. **Layer** [BS15, VRBS16, CBK<sup>+</sup>22, DKK<sup>+</sup>15, KST<sup>+</sup>22, LLSO17, NVW<sup>+</sup>22, PRG<sup>+</sup>15, SS15, ZGSA15, KWC<sup>+</sup>20]. **layout** [RMBC12]. **LC** [SXL<sup>+</sup>12]. **LDPC** [LPW18]. **Leakage** [CMJ14, CJ16, MLW<sup>+</sup>23, CJ14b, GJ17, LSH14]. **Leakage/Delay** [CMJ14]. **learnable** [YYBK19]. **Learning** [ASB<sup>+</sup>21, ABM21, ASMK22, ARD24, ATW<sup>+</sup>22, AAO21, AMF<sup>+</sup>15, BWL<sup>+</sup>21, CLKG17, CLSD18, CZQK15, CQL21a, CQL21b, CMZR23, DCP<sup>+</sup>21, DDG<sup>+</sup>22, DJH<sup>+</sup>19, DCSA22, FMTP22, GCC<sup>+</sup>23, GGTG<sup>+</sup>20, GGHP<sup>+</sup>24, HON21, KPPB17, KRG<sup>+</sup>23, KSA<sup>+</sup>22, KPFB16, LDZ22,

LGYC21, MEHT21, MS19, PSR17, PSY<sup>+</sup>18, Rez23, RBHG21, SAAR20, SCLW19b, SCLW19a, SLCJ22, SMR<sup>+</sup>21, SPR18, STNP21, TWLL19, WL22a, YLR<sup>+</sup>23, ZY18, ZK18, ZK19, CQZK14]. **Learning-Based** [ZY18]. **Learning-Part** [CQL21a]. **less** [HYA<sup>+</sup>20, RSD<sup>+</sup>23a]. **Level** [ARLB18, CCW18, CZW<sup>+</sup>19, DRL<sup>+</sup>19, JWJ<sup>+</sup>17, LLX<sup>+</sup>18b, LZX<sup>+</sup>21, LCY19, MTC<sup>+</sup>08, MP10, Moh12, NLW<sup>+</sup>20, PAC<sup>+</sup>22, SC08, ZM22]. **Leverage** [RPBA21]. **Leveraging** [PRV<sup>+</sup>20, SMR23]. **library** [LCJ14]. **life** [ZJT<sup>+</sup>14]. **light** [WOW<sup>+</sup>10]. **Lightweight** [ASMK22, LHHZ19, MKMS22, MAC<sup>+</sup>21, RDS24]. **like** [HMS<sup>+</sup>05]. **Limit** [LCK19]. **Limits** [RD22, GMM12]. **Linear** [ZCSG21]. **Links** [NVW<sup>+</sup>22]. **Literature** [AAF13]. **LiwePMS** [LHHZ19]. **Loads** [ZSXY11]. **Localization** [CBK<sup>+</sup>22]. **Locally** [DNHL11]. **Lock** [ASMK22]. **Locking** [LZX<sup>+</sup>21, SMR<sup>+</sup>21]. **Log** [LH20]. **Log-Structured** [LH20]. **Logic** [AHSZ16, CJ14a, CJ16, CNH12, GCO<sup>+</sup>11, GUP11, GVERR17, KT20, LCSP14, LP17, LZX<sup>+</sup>21, LMM18, MS17, NLL<sup>+</sup>17, PT14a, SJKS20, SMR23, SSP14, SMR<sup>+</sup>21, SWK<sup>+</sup>16, VGZ11, ANR<sup>+</sup>14, CJ14b, DJ08, HMS<sup>+</sup>05, LJ14, LCT12, MTC<sup>+</sup>08, PT12, TR13, ZMT13]. **Logic-Based** [KT20, NLL<sup>+</sup>17, TR13]. **Loihi** [RBG<sup>+</sup>22]. **Long** [ZSPC19]. **Loop** [SSN12]. **LosPem** [LH20]. **Loss** [HLS14]. **Lotus** [LGYC21]. **Low** [AHHS21, BS20, CJ16, Che15, EFRB22, GBLD15, GLMG<sup>+</sup>15, HHD<sup>+</sup>23, IBO22, KZW<sup>+</sup>15, KHR<sup>+</sup>15, KR18, LTM22, LNL19, MGS<sup>+</sup>12, MMJ09, PRG<sup>+</sup>15, PSL<sup>+</sup>19, QGW20, RMW<sup>+</sup>17, SLC<sup>+</sup>17, STSG17, SGR<sup>+</sup>12, SM19, SSF<sup>+</sup>15, Tah09, TSB15, ZJS10, ZJ11, ZPL<sup>+</sup>20, ABS<sup>+</sup>12, CJ14b, CA11, ERGK21, GGTG<sup>+</sup>20, GJ17, KT14, LBGR08, LMC<sup>+</sup>11, MFA<sup>+</sup>13, WDH<sup>+</sup>09]. **Low-Cost** [LNL19, LBGR08]. **low-latency** [CA11]. **Low-overhead** [EFRB22, Tah09]. **Low-Power** [GBLD15, GLMG<sup>+</sup>15, KHR<sup>+</sup>15, KR18, PRG<sup>+</sup>15, PSL<sup>+</sup>19, QGW20, RMW<sup>+</sup>17, SGR<sup>+</sup>12, AHHS21, BS20, MMJ09, SM19, ZJS10, ABS<sup>+</sup>12, KT14, LBGR08, LMC<sup>+</sup>11, WDH<sup>+</sup>09]. **Low-Rank** [HHD<sup>+</sup>23]. **Low-Swing** [SSF<sup>+</sup>15]. **LTPS** [LBGR08]. **Machine** [ABM21, ARD24, BWL<sup>+</sup>21, CQL21a, CQL21b, DCSA22, GCC<sup>+</sup>23, GGTG<sup>+</sup>20, GGHP<sup>+</sup>24, HON21, KPPB17, KRG<sup>+</sup>23, KPFM16, LGYC21, MEHT21, MS19, Rez23, SCLW19b, SCLW19a, YP17]. **Machine-Learning** [KPFM16]. **Machines** [MDS21, NPS<sup>+</sup>20]. **Magnetic** [ATW<sup>+</sup>22, LBJ<sup>+</sup>16, VDB<sup>+</sup>16, XZR<sup>+</sup>22, AKW<sup>+</sup>13, DK09]. **Main** [YBKB19, YXD<sup>+</sup>17]. **majority** [HMS<sup>+</sup>05]. **majority-like** [HMS<sup>+</sup>05]. **Making** [AGD<sup>+</sup>20]. **Management** [CMK<sup>+</sup>21, DJH<sup>+</sup>19, HTMH18, LHW<sup>+</sup>17, LHHZ19, PHS<sup>+</sup>15, PRG<sup>+</sup>15, SHB<sup>+</sup>21, ZJ11, FRB08, GMM12, MP10, MCT10]. **manager** [AMVG12]. **Managing** [NPH18]. **Manufacturing** [CZW<sup>+</sup>19, MRG22]. **Manufacturing-Based** [CZW<sup>+</sup>19]. **Many** [DMYT15, KDMT22, KPFM16]. **Many-Core** [DMYT15, KDMT22, KPFM16, Rez23]. **Manycore** [CMK<sup>+</sup>21, CRKP22, HM21]. **Manycores** [PHS<sup>+</sup>15]. **Map** [RMG15]. **Mapping** [FC18, GCO<sup>+</sup>11, GUP11, MZZ23, TSA<sup>+</sup>24, ZMT13]. **March** [SN10]. **Markov** [GD12, KR18]. **Matching** [RDH14]. **MATE** [PHS<sup>+</sup>15]. **materials** [BPH<sup>+</sup>11]. **Matrix** [DD14, GCO<sup>+</sup>11, GUP11]. **Maximum** [KAKSP14]. **means** [VOB19]. **Measure** [BS15]. **Measures** [HON21]. **mechanical** [LWH14, WCSA10]. **Mechanism** [MRG22, RSD23b]. **Mechanisms** [LBB<sup>+</sup>18]. **MEDA** [HRR19]. **MEDA-based** [HRR19]. **Medical** [SLCJ22]. **Medium** [RSD23b]. **Memcapacitive** [TT21]. **Memories** [CCWCC15, HH11, KWC<sup>+</sup>20, LBJ<sup>+</sup>16, SBT20, SCZ<sup>+</sup>12, YYPK17, GRS05, RYT<sup>+</sup>07].

**Memory**

[AIK21, ANT22, DK21, GNY<sup>+</sup>22, GLMG<sup>+</sup>15, GG17, GIS<sup>+</sup>22, HTMH18, HVB22, HFLZ22, HC15, HHD<sup>+</sup>23, IASK20, JRJ22, KPPB17, KHR<sup>+</sup>15, KKKK18, KMS<sup>+</sup>20, KKK22, KHC<sup>+</sup>22, LKK<sup>+</sup>22, LHHZ19, LML<sup>+</sup>19, LH20, LFDS22, LYWW13, MDS21, MRR12, MSB<sup>+</sup>22, Mit17, NYL<sup>+</sup>20, NHL<sup>+</sup>17, PHS<sup>+</sup>15, PAF18, RMW<sup>+</sup>17, RCYB22, SMR23, SBZT20, SBR19, TT20, WWZ<sup>+</sup>22, WDW13, WRWW17, WHB<sup>+</sup>21, WZL16, WL22b, YYPK17, YYBK19, YXD<sup>+</sup>17, ZSPC19, ABS<sup>+</sup>12, AKW<sup>+</sup>13, CSKM13, KMC<sup>+</sup>22, KSG14, PR13, SKRX13, TCSV09, VMNI08, WYZ<sup>+</sup>20, ZLB<sup>+</sup>22, ZJS09a].

**Memory-bound** [KHC<sup>+</sup>22].

**Memory-Centric**

[KPPB17, NYL<sup>+</sup>20, GNY<sup>+</sup>22].

**Memory-Efficient** [HHD<sup>+</sup>23].

**Memory-Storage** [YYPK17]. **Memristive**

[ASB<sup>+</sup>21, ANT22, CZQK15, GLMG<sup>+</sup>15, KZL15, MRR12, NAY24, SAAR20, TT20, UMB<sup>+</sup>18, WKL16, YW13, ZJK22, ZK18].

**Memristor** [ASP<sup>+</sup>18, BYHT18, MZZ23, QGW20, ZLB<sup>+</sup>22, dLBHC22].

**Memristor-Based**

[BYHT18, QGW20, ZLB<sup>+</sup>22].

**Memristor-CMOS** [ASP<sup>+</sup>18].

**Memristors** [CHA20]. **mesh** [EWKNW07].

**meshless** [KTW08]. **Metamaterial**

[NVW<sup>+</sup>22]. **Metamaterial-enabled**

[NVW<sup>+</sup>22]. **Method** [BBB<sup>+</sup>16, DDP20, DLL<sup>+</sup>19, GCO<sup>+</sup>11, MZZ23, PP21, XYM18, YYBK19, ZSXY11, MHM<sup>+</sup>08].

**Methodology**

[AHHS21, CMJ14, CH14, MLW<sup>+</sup>23, CB09].

**Methods** [CZQK15, TSMCB17, CCTP08].

**metric** [SMR<sup>+</sup>12]. **Metrics** [HSZM17].

**MFNW** [AM18]. **MiC** [LCY19]. **Micro**

[ABM21, ZLGL21]. **Micro-Architectural**

[ABM21]. **Micro-ring** [ZLGL21].

**Microarchitectural** [GOGCK11].

**microarchitecture** [MLK<sup>+</sup>08].

**microarchitectures** [XCF08].

**Microarrays** [SKB13]. **Microdevices**

[VMV13]. **Microfluidic** [BMB18, GCB14, HD14, LBB<sup>+</sup>18, MPM13, OGB18, DJRM09, DDM<sup>+</sup>06, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10].

**Microfluidics** [GHHW19, CZ05, SC06].

**microfluidics-based** [CZ05, SC06].

**Microscope** [ATW<sup>+</sup>22]. **Migration**

[AIK21, IASK20]. **Millimeter**

[MKW<sup>+</sup>14, KK12]. **Millimeter-Wave**

[MKW<sup>+</sup>14]. **Million** [AVK16].

**Million-Qubit** [AVK16]. **Minimization**

[CCH16, LJL18]. **Minimum** [LCSP14].

**MINLP** [BM15]. **Mitigate** [ZH20].

**Mitigation** [NLK<sup>+</sup>13, WYZ<sup>+</sup>20, ZLGL21].

**Mitigations** [ASK23]. **Mixed**

[DRL<sup>+</sup>19, LPM<sup>+</sup>19]. **Mixed-Criticality**

[DRL<sup>+</sup>19]. **mixing** [RBGC14]. **MLC**

[AM18, LHW<sup>+</sup>17]. **MLC/TLC** [AM18].

**MN** [PHS<sup>+</sup>15]. **MN-MATE** [PHS<sup>+</sup>15].

**MNEMOSENE** [ZLB<sup>+</sup>22]. **mNoC**

[PDL15]. **Mobile**

[TWLL19, TSMCB17, YYPK17, WDH<sup>+</sup>09].

**Mode** [BSS16, PAF18]. **Model**

[BM15, CCWCC15, FYJ<sup>+</sup>17, FCR23,

MZR<sup>+</sup>14, MMD<sup>+</sup>20, REL<sup>+</sup>22, WHL<sup>+</sup>21,

DLWW08, MHL08, MTC<sup>+</sup>08, ZC07].

**Modeling**

[FMW<sup>+</sup>22, KBC<sup>+</sup>23, LYEK22, LTKP16,

MN06, SSN12, SCT<sup>+</sup>22, TGCJ16, TKBM12,

ZM22, ZF15, KCC<sup>+</sup>14, KSG14, PFOL07].

**Models** [ASMK22, KMS<sup>+</sup>20, KCD15,

KKNM22, MHW14, WJWM23, FRB08].

**Modern** [MPZ21]. **Modular**

[FKM22, MHW14]. **Modularization**

[FHFK14]. **Modulation**

[MGK18, NVW<sup>+</sup>22]. **Modulator** [LZCX22].

**Module** [MPM13, LCJ14, ZS08].

**Module-Based** [MPM13]. **Modules**

[TGCJ16]. **Modulo** [TSA<sup>+</sup>24]. **Molecular**

[AGR<sup>+</sup>23, CNHL08, DPB11, GPW<sup>+</sup>15,

PDL15, SCT<sup>+</sup>22, WDW13, KSG14, KTW08,

MHL08, RYT<sup>+</sup>07]. **Molecular-Spin-Qubit**

[SCT<sup>+</sup>22]. **Money** [BMTP24]. **Monitoring**

[AUDS22, EFRB22, MGS<sup>+</sup>12]. **Monolayer** [RMW<sup>+</sup>17]. **Monolithic** [CKC<sup>+</sup>18, CMK<sup>+</sup>21, CBK<sup>+</sup>22, KKC17, LKK<sup>+</sup>22, TTS22, ZCB<sup>+</sup>22, BCT<sup>+</sup>13, XDX14]. **MOS** [KZW<sup>+</sup>15]. **Motion** [MGMU22]. **MRAM** [AKW<sup>+</sup>13, DSB16, NLW<sup>+</sup>20, PAF18, SFD17, SMT21, STSG17, VDB<sup>+</sup>16, ZCDD19]. **MRAM-Based** [VDB<sup>+</sup>16, ZCDD19]. **MRAMs** [MFA<sup>+</sup>13, PFRR17]. **MTJ** [MS19, MS20]. **MTJ-based** [MS20]. **Muller** [LJ14]. **Multi** [BRZ21, CMZR23, DJH<sup>+</sup>19, DRL<sup>+</sup>19, KBT24, LLSO17, LLX<sup>+</sup>18b, LCY19, PRG<sup>+</sup>15, Rez23, XZL<sup>+</sup>21, LM13]. **Multi-Abstraction-Level** [DRL<sup>+</sup>19]. **Multi-core** [DJH<sup>+</sup>19]. **Multi-Cycle-Consistent** [XZL<sup>+</sup>21]. **Multi-FPGA** [BRZ21]. **Multi-Layer** [LLSO17]. **Multi-level** [LCY19]. **Multi-Level-Optimization** [LLX<sup>+</sup>18b]. **multi-peak** [LM13]. **Multi-Processors** [PRG<sup>+</sup>15]. **Multi-tenant** [CMZR23]. **Multi-Terabit** [KBT24]. **Multi/Many** [Rez23]. **Multi/Many-Core** [Rez23]. **Multicast** [CDP17, VOB19]. **Multicast-Enabled** [CDP17]. **Multichannel** [KRP<sup>+</sup>21]. **multicomputer** [VMNI08]. **Multicore** [CDP17, HAV<sup>+</sup>22, PCD<sup>+</sup>11, WXW<sup>+</sup>17, ZMC15, KWFH12, SLS<sup>+</sup>14]. **multidiscipline** [Moh12]. **Multilayer** [HC15, MHM<sup>+</sup>08, BPH<sup>+</sup>11]. **Multilevel** [KST<sup>+</sup>22, MRR12, VSRR15, CWL<sup>+</sup>13, FGZ14]. **Multiparameter** [CJ16, GJ17]. **Multipath** [RNN<sup>+</sup>22]. **Multiple** [DDM<sup>+</sup>06, FMTP22, HZSA14, MMJ09]. **Multiple-Controlled** [HZSA14]. **Multiplexing** [XLL<sup>+</sup>18]. **Multiplication** [CRSSBMR21, ERGK21, GP17, HYA<sup>+</sup>20]. **Multiplication-less** [HYA<sup>+</sup>20]. **Multiplications** [GZZ<sup>+</sup>21]. **Multiplier** [GZZ<sup>+</sup>21, LNL19, LQYL19]. **Multipliers** [Mog14, SVA<sup>+</sup>18]. **Multiprocessor** [YXW<sup>+</sup>12, CJ14b, GMM12, LWX<sup>+</sup>14]. **multiprocessors** [BPH<sup>+</sup>11, CA11]. **multiPULPly** [ERGK21]. **Multistate** [KHR<sup>+</sup>15]. **multiwalled** [SXL<sup>+</sup>12]. **MV** [TWLL19]. **MV-Net** [TWLL19]. **mVLSI** [CKB20]. **mW** [WOW<sup>+</sup>10]. **MWSR** [HAV<sup>+</sup>22]. **MWSR/R** [HAV<sup>+</sup>22]. **MWSR/R-SWMR** [HAV<sup>+</sup>22].

**N** [AM18]. **NANA** [PDLS06]. **Nano** [GKT<sup>+</sup>18, YLF<sup>+</sup>17, CB09, LDL10, MP10, PDLS06, SCI<sup>+</sup>09, ZMT13, ZJS10, ZC07, MRR12, ZJS09c, ZJS09a, ZJS09b]. **nano-architectures** [ZMT13]. **nano-CMOS** [MP10, SCI<sup>+</sup>09, ZC07]. **Nano-Oscillator-Based** [YLF<sup>+</sup>17]. **Nano-Oscillators** [GKT<sup>+</sup>18]. **nano-scale** [LDL10, PDLS06]. **nano/CMOS** [ZJS10, ZJS09c, ZJS09a, ZJS09b]. **NANOARCH** [Bah09]. **NANOARCH07** [Shu09]. **NANOARCH'09** [DR11]. **nanoarchitectures** [Tah06, Tah09]. **Nanoarray** [FGZ14, GRS05]. **Nanocavities** [EDCL<sup>+</sup>22]. **Nanocomputing** [AGR<sup>+</sup>23, WWG<sup>+</sup>19, WWJ09]. **Nanocrossbar** [GUP11]. **Nanodevice** [GCO<sup>+</sup>11, WZSC09]. **Nanodevice-Based** [GCO<sup>+</sup>11]. **Nanodevices** [CZQK15]. **Nanoelectronic** [LZBW20, TSMCB17, YL14]. **nanofabrics** [DMR06]. **Nanoelectronic** [ZLWB20]. **Nanomagnet** [CNH12]. **Nanomagnetic** [VGZ11]. **nanometer** [CCTP08]. **nanometer-scale** [CCTP08]. **Nanophotonic** [BS20, ISI<sup>+</sup>18, LLSO17, LKL<sup>+</sup>18, NPA<sup>+</sup>12, PDL15, XYM18, LMC<sup>+</sup>11, SX11]. **Nanopipelined** [PT14b]. **Nanoribbon** [HC15, KHR<sup>+</sup>15]. **Nanoribbon-CMOS** [KHR<sup>+</sup>15]. **Nanoribbons** [DDP20]. **Nanoscale** [BOAC<sup>+</sup>20, JRC<sup>+</sup>13, NLK<sup>+</sup>13, Shu09, CQZK14, EWKNW07, Nar05, RT07, RT08, WZSC09]. **nanostuctures** [HYWA09]. **nanosystem** [TWL09]. **Nanotechnology** [KBM21]. **Nanotube** [GRPT13, HC15, LKK<sup>+</sup>22, DLWW08,



HZY<sup>+12</sup>, MN06, SXL<sup>+12</sup>.  
**Nanotube-Based** [GRPT13, MN06].  
**Nanowire** [Deh05, RKM15].  
**Nanowire-based** [Deh05]. **nanowires**  
 [SRD<sup>+06</sup>]. **Navigating** [CTT<sup>+20</sup>]. **NBTI**  
 [KCC<sup>+14</sup>, LSH14, SLS<sup>+14</sup>, YWH<sup>+13</sup>].  
**NBTI-aware** [YWH<sup>+13</sup>]. **Near**  
 [DK21, GVR17, KXY16, Mit16, NPA<sup>+12</sup>,  
 ORC<sup>+24</sup>, SCL17, TNWD20]. **Near-**  
**[GVR17]. Near-Field** [NPA<sup>+12</sup>].  
**Near-Memory** [DK21]. **Near-storage**  
 [ORC<sup>+24</sup>]. **Near-Threshold**  
 [Mit16, SCL17]. **negative** [KCC<sup>+14</sup>].  
**NEMS** [HN12]. **Neoteric** [SMR23]. **NeRF**  
 [LMZZ24]. **net**  
 [BPB<sup>+12</sup>, HYA<sup>+20</sup>, TWLL19, WL22a].  
**net-zero** [BPB<sup>+12</sup>]. **Nets** [DRG21].  
**Network**  
 [ABR<sup>+21</sup>, ASK23, ACM<sup>+20</sup>, BS21, BKJ19,  
 Bis17, Bis21, CMM<sup>+18</sup>, CDP17, CCWCC15,  
 DJ16, GMGA23, GCTF20, HFLZ22, HM21,  
 IGGR19, KKKK18, KKK22, LDK<sup>+18</sup>,  
 LQYL19, LMZZ24, LLX<sup>+18b</sup>, MZZ23,  
 MKMS22, MSCS19, MCH22, MGST22,  
 MSC<sup>+21</sup>, OK22, PDL15, PHS<sup>+23</sup>, PAP<sup>+22</sup>,  
 RDS24, VK18, VSM19, WL19, XYM18,  
 YMWH21, ZBF<sup>+22</sup>, ZSPC19, BPH<sup>+11</sup>,  
 CDG<sup>+12</sup>, LMC<sup>+11</sup>, PDLS06, PT14b,  
 WVG13, ZFT13, YXW<sup>+12</sup>].  
**Network-based** [ABR<sup>+21</sup>].  
**network-enabled** [WVG13].  
**Network-on-Chip**  
 [ASK23, BS21, BKJ19, Bis17, Bis21,  
 CMM<sup>+18</sup>, DJ16, GMGA23, LDK<sup>+18</sup>,  
 MSCS19, PDL15, VK18, VSM19, ACM<sup>+20</sup>,  
 BPH<sup>+11</sup>, CDG<sup>+12</sup>, WVG13, YXW<sup>+12</sup>].  
**Network-on-chips** [PHS<sup>+23</sup>]. **Networks**  
 [AHS17, BS20, VRBS16, BRZ21, BHL19,  
 BVM<sup>+19</sup>, CKC<sup>+18</sup>, CQZ<sup>+21</sup>, CTP14, DK21,  
 Dea14, DEW<sup>+23</sup>, ERGK21, FNO<sup>+19</sup>,  
 JCK23, KST<sup>+22</sup>, KRP<sup>+21</sup>, KCD15,  
 KMC<sup>+22</sup>, LPB<sup>+15</sup>, LZXL22, LLX<sup>+18a</sup>,  
 LNL19, LDP<sup>+20</sup>, LJJ18, LPM<sup>+19</sup>, MS20,  
 NAY24, ORC<sup>+24</sup>, PJSM17, PSL<sup>+19</sup>,  
 PSY<sup>+18</sup>, Rez23, RBHG21, RBG<sup>+22</sup>,  
 SBZT20, SM19, SPR18, TZR20, TT21,  
 XLW<sup>+18</sup>, XZL<sup>+21</sup>, ZCDD19, ZH20, GD12,  
 LJ10, LDL10, LWX<sup>+14</sup>, XPD12].  
**Networks-on-Chip**  
 [VRBS16, CTP14, FNO<sup>+19</sup>, KST<sup>+22</sup>, Rez23].  
**Neural** [ABR<sup>+21</sup>, AHS17, BRZ21, BHL19,  
 BVM<sup>+19</sup>, CKC<sup>+18</sup>, CThG15, CQZ<sup>+21</sup>,  
 CCWCC15, DK21, DEW<sup>+23</sup>, ERGK21,  
 HFLZ22, HM21, IGGR19, JCK23, KRP<sup>+21</sup>,  
 KKKK18, KKK22, KCD15, KMC<sup>+22</sup>,  
 LZXL22, LLX<sup>+18a</sup>, LNL19, LQYL19,  
 LDP<sup>+20</sup>, LMZZ24, LLX<sup>+18b</sup>, LJJ18,  
 LYL19, LPM<sup>+19</sup>, MZZ23, MS20, MSC<sup>+21</sup>,  
 NAY24, ORC<sup>+24</sup>, OK22, PAP<sup>+22</sup>, PSL<sup>+19</sup>,  
 RBG<sup>+22</sup>, SBZT20, SVA<sup>+18</sup>, SM19, SPR18,  
 WL19, XLW<sup>+18</sup>, YMWH21, ZH20, ZBF<sup>+22</sup>].  
**Neuro** [CZQK15, CQZK14].  
**Neuro-Inspired** [CZQK15, CQZK14].  
**Neuroevolution** [AAO21].  
**Neuroevolutionary** [SMR<sup>+21</sup>].  
**Neurogenesis** [ZK19]. **Neuromemristive**  
 [ZK19]. **Neuromemristive** [KSA<sup>+22</sup>].  
**Neuromorphic**  
 [ASB<sup>+21</sup>, AMH<sup>+24</sup>, Ano18, AMF<sup>+15</sup>,  
 BOAC<sup>+20</sup>, HN15, JRJ22, KZL15, KCD15,  
 MKSW17, PSY<sup>+18</sup>, RMG15, SAAR20,  
 SHB<sup>+21</sup>, SPR18, WKL16, ZWL<sup>+15</sup>].  
**Neuron** [HIH18]. **Neurons**  
 [VOB19, ZCDD19]. **Neutral** [LPB<sup>+15</sup>].  
**Next** [GFZ13, KK23, XCS<sup>+19</sup>].  
**Next-Generation** [KK23, XCS<sup>+19</sup>]. **NFIC**  
 [AGD<sup>+20</sup>]. **NML** [DNHL11]. **NN**  
 [ASMK22]. **NN-Lock** [ASMK22]. **NoC**  
 [ACJ17, AGD<sup>+20</sup>, DRL<sup>+19</sup>, HAV<sup>+22</sup>,  
 KYEB15, MKW<sup>+14</sup>, VOB19, ZF15].  
**NoC-Based** [ZF15]. **NoCArc** [GMGA23].  
**NoCs** [FC18, GB18, LKC15, LCK19,  
 RSD23b, SHAC19, ZY18, ZLGL21]. **Node**  
 [PHS<sup>+15</sup>, GGTG<sup>+20</sup>, YWH<sup>+13</sup>]. **Nodes**  
 [GVR17, LWM<sup>+14</sup>, TGCJ16]. **Noise**  
 [CLZ<sup>+22</sup>]. **Noise-Tolerant** [CLZ<sup>+22</sup>].  
**Noisy** [DDG<sup>+22</sup>, SCT<sup>+22</sup>]. **Non**  
 [GKT<sup>+18</sup>, MCT18, RCYB22, STSG17,

WL22b, YYPK17, YXD<sup>+</sup>17, ZPL<sup>+</sup>20].

**Non-Boolean** [GKT<sup>+</sup>18]. **Non-Restoring** [MCT18]. **Non-Volatile** [STSG17, WL22b, YYPK17, YXD<sup>+</sup>17, ZPL<sup>+</sup>20, RCYB22].

**Nonhierarchical** [PPM<sup>+</sup>13]. **Noninvasive** [TFR23]. **Nonlinear** [KTKK18].

**Nonvolatile**

[HC15, LBJ<sup>+</sup>16, SCZ<sup>+</sup>12, SKRX13].

**NORM** [RCYB22]. **Note** [WWG<sup>+</sup>19].

**Novel** [DJ16, FCR23, JDPH<sup>+</sup>23, LH20, MGMU22, SKB13, TZS14, ZSXY11, RT08].

**NP** [WWG<sup>+</sup>19]. **NP-complete** [WWG<sup>+</sup>19].

**NTC** [CV12]. **NTRU** [CRSSBMR21].

**NUCA** [PAB<sup>+</sup>17]. **Number**

[HH11, LTKP16, WL19]. **Numbers**

[GIS<sup>+</sup>22]. **NxTF** [RBG<sup>+</sup>22].

**Obfuscation** [CZW<sup>+</sup>19, GCTF20]. **Object** [KBC<sup>+</sup>23]. **Objectives** [DWK<sup>+</sup>16].

**Observing** [TGCJ16]. **OFDM** [GLL<sup>+</sup>21a].

**Off** [KK23, FSDT23, ZFT13]. **Off-Chip**

[KK23, WXW<sup>+</sup>17, ZFT13]. **Offline**

[BMTP24, LKL<sup>+</sup>18, MT14]. **offs** [CDG<sup>+</sup>12].

**Oligo** [VTKT22]. **On-Chip**

[CLKG17, CZQK15, CKC<sup>+</sup>18, KDMT22, KK23, LWM<sup>+</sup>14, LWY22, SCLW19a, TZS14, XYM18, CLSD18, CWL<sup>+</sup>13, KMC<sup>+</sup>22, LWX<sup>+</sup>14, SCLW19b, CA11, LMC<sup>+</sup>11].

**On-Device** [ZK19]. **On-Interposer**

[KBT24]. **on-node** [GGTG<sup>+</sup>20]. **On-the-fly** [IASK20]. **On/Off** [WXW<sup>+</sup>17].

**On/Off-Chip** [WXW<sup>+</sup>17]. **One**

[HSZM17, WRWW17]. **One-Step**

[WRWW17]. **One-Way** [HSZM17]. **Online**

[AUDS22, LJL18, ZPL<sup>+</sup>20]. **Open**

[BBR<sup>+</sup>23, FCR23]. **OpenQL** [KAS<sup>+</sup>22].

**Operation** [MPM13]. **Operations**

[CVK15]. **Optical**

[BPS19, VRBS16, DWK<sup>+</sup>16, GB18, HAV<sup>+</sup>22, JDPH<sup>+</sup>23, NPA<sup>+</sup>12, PAB<sup>+</sup>17, RDM<sup>+</sup>21, XLL<sup>+</sup>18, YLR<sup>+</sup>23, YXW<sup>+</sup>12, ZY18, ZLGL21, CA11, EDCL<sup>+</sup>22].

**Optical-Electrical** [YLR<sup>+</sup>23].

**Optical-Electronic** [YXW<sup>+</sup>12].

**Optimization**

[DKK<sup>+</sup>15, DWK<sup>+</sup>16, LDK<sup>+</sup>18, LLX<sup>+</sup>18b, LCY19, LKL<sup>+</sup>18, NLW<sup>+</sup>20, PFRR17, Rez23, TGCJ16, YJ18, ZY18, ZGSA15, DLWW08, KKY<sup>+</sup>20, LWH14, WFCX09, ZJS09c].

**Optimizations** [SBR19, CWL<sup>+</sup>13].

**Optimize** [DJ16]. **Optimized**

[CRSSBMR21, CCWCC15, KTKK18, MS17, MCT18, ON15, WGY21, WL22b].

**Optimizing** [WL22a, TR10].

**Optoelectronic** [PAP<sup>+</sup>22]. **Oracle**

[GCJ17]. **Order** [CKWK18]. **Ordering**

[WGY21]. **Organizing**

[DK09, RMG15, LDL10, PDL07]. **oriented**

[AHS22]. **Oscillation** [MSB<sup>+</sup>22].

**Oscillation-Based** [MSB<sup>+</sup>22]. **Oscillator**

[FYJ<sup>+</sup>17, HON21, YLF<sup>+</sup>17, SXL<sup>+</sup>12, ZFT13].

**Oscillator-Based** [FYJ<sup>+</sup>17]. **Oscillators**

[GKT<sup>+</sup>18]. **Outlook** [BWL<sup>+</sup>21].

**Outperforming** [LLX<sup>+</sup>18a]. **outputs**

[TR10]. **Overhead** [LTM22, SLC<sup>+</sup>17, ZJ11,

ZPL<sup>+</sup>20, EFRB22, Tah09]. **Overlay**

[PAB<sup>+</sup>17]. **Overview** [AML<sup>+</sup>23].

**p** [DPB11]. **p-QCA** [DPB11]. **Packet**

[BYHT18]. **Packets** [Bis17]. **Page**

[AIK21, IASK20, KXY16]. **PANE** [VSM19].

**Papers** [SN10]. **paradigm**

[LBGR08, WZSC09]. **Parallel** [BAT<sup>+</sup>22, Dea14, FSD22, ISI<sup>+</sup>18, DJRM09, STA<sup>+</sup>12].

**Parallelism** [DK21, JOF<sup>+</sup>15, GN08].

**parameter** [RYT<sup>+</sup>07]. **Parameterized**

[REL<sup>+</sup>22]. **Parametric** [FRB08]. **Parasitic**

[ZH20]. **Parasitics** [KCWL<sup>+</sup>16]. **Part**

[CQL21a, CQL21b, SCLW19a, LZBW20,

ZJS09c, ZJS09b, ZLWB20]. **Partial**

[KKK22, LKC15, MEHT21]. **Partial-Sum**

[KKK22]. **Partially** [AGD<sup>+</sup>20]. **Parties**

[BMTP24, FMTP22]. **Partitioning**

[LRN05, PP21]. **Passive** [GSC17]. **Path**

[Bis21, CKWK18, GB18, VAK18, WRWW17, CWT14, ZXC10]. **Path-based** [Bis21].

**Path-Setup** [GB18]. **Pathology** [CLZ<sup>+</sup>22].

**paths** [ANR<sup>+</sup>14]. **Pathways** [KBT24].

**Pattern** [HSZM17, NLW<sup>+</sup>20]. **Pauli** [HZSA14]. **PCA** [AHPC21]. **PCB** [JDPH<sup>+</sup>23, KBC<sup>+</sup>23, MLP<sup>+</sup>20]. **PCM** [KXY16, LHW<sup>+</sup>17]. **peak** [LM13]. **PEAL** [AHHS21]. **Peres** [DJ08]. **Performance** [AVK16, AHS22, ASP<sup>+</sup>18, BSS16, BH17, CDG<sup>+</sup>12, CKC<sup>+</sup>18, CJ16, CRKP22, DNHL11, HTMH18, KDMT22, LYWW13, MKW<sup>+</sup>14, ON15, PSY<sup>+</sup>18, RBHG21, SCL17, VAK18, VOB19, YWF18, Bea11, BPH<sup>+</sup>11, DLWW08, HRR19, LMC<sup>+</sup>11, LML<sup>+</sup>19, LCT12, MN06, PFOL07, RT07, STA<sup>+</sup>12, WWJ09, SM11]. **performance-aware** [STA<sup>+</sup>12]. **Performance-Temperature** [HTMH18]. **Permutation** [GCTF20]. **Persistent** [KMS<sup>+</sup>20, LHHZ19, LH20, WL22b]. **Perspective** [RSBA23]. **Perspectives** [BWL<sup>+</sup>21, TTS22]. **Phase** [FYJ<sup>+</sup>17, RNN<sup>+</sup>22, SMT<sup>+</sup>17, WZL16, JRC<sup>+</sup>13]. **Phase-Based** [RNN<sup>+</sup>22]. **Phase-Change** [WZL16]. **Photonic** [ACJ17, BS21, BPH<sup>+</sup>11, CDP17, DEW<sup>+</sup>23, EDCL<sup>+</sup>22, FC18, KST<sup>+</sup>22, KBT24, VK18]. **Photonics** [DCP<sup>+</sup>21, STNP21, XNK18, Bea11]. **Photonics-Based** [DCP<sup>+</sup>21]. **Physical** [DCSA22, LBB<sup>+</sup>18, NVW<sup>+</sup>22, TMG<sup>+</sup>21, UMB<sup>+</sup>18, BCT<sup>+</sup>13, HZY<sup>+</sup>12]. **Physically** [LTM22]. **PicoServer** [KSB<sup>+</sup>08]. **Piezoelectric** [RFDT15]. **pillar** [MFA<sup>+</sup>13]. **PIM** [REL<sup>+</sup>22]. **Pin** [WXW<sup>+</sup>17, XHSC07]. **pin-constrained** [XHSC07]. **Pipeline** [SM11]. **Piracy** [SMZ<sup>+</sup>19]. **PLA** [CNH12]. **Placement** [BM15, VRBS16, BKJ19, CKB20, LWH14, RHB<sup>+</sup>20, WWG<sup>+</sup>19, YYC07, LRN05]. **plane** [LDZ22]. **PLAs** [CHN09]. **Plasticity** [AMF<sup>+</sup>15, LYL19, WLJC21]. **Platform** [ZM22]. **Pluggable** [VSM19]. **Point** [LYWW13, NV14]. **Pointing** [LBJ<sup>+</sup>16]. **Points** [AUDS22]. **Polarity** [MGZ<sup>+</sup>17]. **Policies** [AIK21, ON15]. **Polyhedral** [HFLZ22]. **Polyhedral-Based** [HFLZ22]. **Polynomial** [CRSSBMR21]. **Polynomials** [LP17]. **Pooling** [ZMC15]. **portability** [GN08]. **Portable** [KAS<sup>+</sup>22]. **Post** [CKA23, GCC<sup>+</sup>23, MRG22, XS14]. **post-bond** [XS14]. **Post-Manufacturing** [MRG22]. **Post-processing** [GCC<sup>+</sup>23]. **Post-quantum** [CKA23]. **Potential** [SJKS20]. **Power** [BS21, CKC<sup>+</sup>18, CMK<sup>+</sup>21, Che15, DJH<sup>+</sup>19, FC18, GBLD15, GLMG<sup>+</sup>15, HN12, JRLR15, KZW<sup>+</sup>15, KHR<sup>+</sup>15, KR18, LBJ<sup>+</sup>16, LHW<sup>+</sup>17, LTO22, LWM<sup>+</sup>14, LKL<sup>+</sup>18, MGS<sup>+</sup>12, MGST22, MSC<sup>+</sup>21, PRG<sup>+</sup>15, PSL<sup>+</sup>19, QGW20, RMW<sup>+</sup>17, STSG17, SGR<sup>+</sup>12, TGCJ16, TW22, TSB15, WXW<sup>+</sup>17, ZJ11, ZSXY11, ZY18, ZGSA15, ZF15, ABS<sup>+</sup>12, ANR<sup>+</sup>14, AHHS21, BS20, ERGK21, GMM12, GGTG<sup>+</sup>20, KT14, KK12, LJ10, LBGR08, LMC<sup>+</sup>11, MMJ09, MP10, MFA<sup>+</sup>13, SM19, WDH<sup>+</sup>09, XDX14, ZS08, ZJS10, ZFT13]. **Power-based** [LTO22]. **Power-efficient** [BS21, MSC<sup>+</sup>21, ANR<sup>+</sup>14]. **Power-Gating** [HN12, ZF15]. **Power-Utility-Driven** [LHW<sup>+</sup>17]. **Powered** [JRLR15, ZPL<sup>+</sup>20, WCSA10]. **Powerful** [VMV13]. **PPU** [GYM<sup>+</sup>17]. **Practical** [GGHP<sup>+</sup>24, HAV<sup>+</sup>22]. **Pre** [FSDT23, XS14]. **pre-bond** [XS14]. **Pre-silicon** [FSDT23]. **Precise** [WDG<sup>+</sup>20]. **Precision** [HM21, LWY22]. **Predict** [BS20]. **Prediction** [MKSW17]. **Predictions** [SMT21]. **Predictive** [DKK<sup>+</sup>15, ZC07]. **Prefetching** [YYBK19]. **Pressure** [MGS<sup>+</sup>12]. **Prevent** [ASMK22]. **Prevention** [MLP<sup>+</sup>20]. **Primitive** [GRPT13]. **Primitives** [ABR<sup>+</sup>21, BSY<sup>+</sup>16, HMS<sup>+</sup>05]. **Principal** [AHPC21]. **Printed** [PB21, RHB<sup>+</sup>20]. **Privacy** [FMTP22]. **Proactive** [PRG<sup>+</sup>15]. **Probabilistic** [AHHS21, KSG14, ZCDD19, KT14]. **Probability** [VAK18]. **Probes** [SKB13]. **Probing** [RDM<sup>+</sup>21]. **problem** [EWKNW07]. **Problems** [AAO21]. **Process**

[CMK<sup>+21</sup>, GPW<sup>+15</sup>, KAKSP14, LKK<sup>+22</sup>, MGK18, SCL17, XYM18, ZM22, XPD12].

**Process-Variation-Tolerant** [XYM18].

**Processing** [AL17, BH17, CLZ<sup>+22</sup>, KWG<sup>+20</sup>, KHC<sup>+22</sup>, MGMU22, XYJ<sup>+21</sup>, XCS<sup>+19</sup>, dLBHC22, GCC<sup>+23</sup>, Gla14, KT14, LM13].

**processing-in-wire** [Gla14]. **Processor** [GKT<sup>+18</sup>, GYM<sup>+17</sup>, KRP<sup>+21</sup>, KZL15, Mit17, STSG17, WXW<sup>+17</sup>, YJ18].

**Processors** [HAV<sup>+22</sup>, KAKSP14, KAB<sup>+21</sup>, PRG<sup>+15</sup>, SLC<sup>+17</sup>, WKL16, ZMC15, ZWL<sup>+15</sup>].

**productivity** [SMR<sup>+12</sup>]. **Products** [TFZ<sup>+21</sup>]. **Profiled** [RBHG21].

**Programmable** [AMF<sup>+15</sup>, DPB11, Deh05, WDH<sup>+09</sup>].

**Programming** [CD22, KAS<sup>+22</sup>, KMS<sup>+20</sup>].

**Programs** [WWC23]. **Project** [TMM<sup>+07</sup>].

**Projection** [DLTSNA20]. **Promises** [YW13]. **Propagation** [BMTP24].

**Propagation-of-Provenance** [BMTP24].

**Property** [Bis21]. **Prospect** [PFOL07].

**Prosthesis** [SSN12]. **Protecting** [LCK19].

**Protection** [Bis21]. **Protein** [PPM<sup>+13</sup>].

**Protocol** [RDS24, YWF18]. **Protocols** [BBR<sup>+23</sup>]. **PROTON** [VRBS16].

**Provenance** [BMTP24]. **Provide** [SLC<sup>+17</sup>]. **Providing** [KMS<sup>+20</sup>].

**ProWATCH** [PRG<sup>+15</sup>]. **Pruning** [AHS17].

**PUF** [AHPC21, BMTP24, DSB16, FMTP22, KT20, LYEK22, MKMS22, RDS24, TMG<sup>+21</sup>, VDB<sup>+16</sup>, XZR<sup>+22</sup>]. **PUF-based** [BMTP24, LYEK22]. **PUF-Cash** [FMTP22].

**PUFs** [AHS22, HON21, IGR<sup>+16</sup>]. **PVFS** [JOF<sup>+15</sup>]. **PVT** [CMJ14, CJ14a, CJ15, TG CJ16, YJ18].

**QCA** [CNHL08, CHN09, DPB11, DK09, Gla14, GPW<sup>+15</sup>, HMS<sup>+05</sup>, LRN05, MHL08, OSLT06, SWJ07, SDSS14, TCSV09].

**QCA-based** [CHN09]. **QCOR** [MMD<sup>+20</sup>].

**QLib** [LCJ14]. **QPSK** [LZCX22]. **Quality** [AHPC21, MEHT21]. **Quality-assured** [MEHT21]. **Quantifying** [HLS14, NPH18].

**Quantitative** [SPS<sup>+24</sup>]. **Quantization** [CQZ<sup>+21</sup>, KKK22, XLW<sup>+18</sup>]. **Quantized** [LNL19]. **Quantum** [AUDS22, AVK16, AHSZ16, ATW<sup>+22</sup>, BM15, BH17, CD22, CVK15, CV11, DD14, DPB11, GCJ17, HZSA14, H SZM17, KAS<sup>+22</sup>, LCSP14, LCJ14, MMD<sup>+20</sup>, MCT18, NV14, PSY<sup>+18</sup>, RDH14, SCT<sup>+22</sup>, ST20, TNWD20, VAK18, WD22, CKA23, CV12, DWL10, MTC<sup>+08</sup>, TR10, VO06, VMNI08, WDH<sup>+09</sup>].

**Quantum-Classical** [MMD<sup>+20</sup>].

**Quantum-Dot** [DPB11, TNWD20, DWL10].

**Quantum-Logic** [AHSZ16]. **Quasi** [LZCX22]. **Quasi-digital** [LZCX22].

**Quaternary** [SJKS20]. **Qubit** [AVK16, MCT18, NPS<sup>+20</sup>, SCT<sup>+22</sup>].

**QuickRecall** [JRLR15]. **Quit** [WGY21].

**QuTiBench** [BHL19].

**R-SWMR** [HAV<sup>+22</sup>]. **Racetrack** [KWC<sup>+20</sup>]. **Radial** [SRD<sup>+06</sup>]. **Radio** [CFK22, EFRB22]. **Radio-Frequency** [CFK22]. **Radix** [GUP11]. **Rail** [DLTSNA20]. **RAM** [CWL<sup>+13</sup>, LPW18, RKM15, ZCX<sup>+17</sup>].

**Ramifications** [JM KM21]. **Random** [KR18, LTKP16, LBJ<sup>+16</sup>, MPZ21, AKW<sup>+13</sup>, CSKM13, SWJ07]. **Randomized** [SHAC19]. **Randomly** [CThG15]. **Ranging** [RNN<sup>+22</sup>]. **Rank** [HHD<sup>+23</sup>]. **Rate** [QGW20]. **Ray** [KBC<sup>+23</sup>]. **RCG** [ZBF<sup>+22</sup>].

**Read** [WRWW17, ZCX<sup>+17</sup>]. **Real** [DRL<sup>+19</sup>, GSC17, JWJ<sup>+17</sup>, KR18, KP FM16, SPS<sup>+24</sup>, SM19, TWLL19, ZBF<sup>+22</sup>, LWX<sup>+14</sup>]. **Real-Time** [DRL<sup>+19</sup>, GSC17, JWJ<sup>+17</sup>, KR18, KP FM16, TWLL19, SM19, ZBF<sup>+22</sup>, LWX<sup>+14</sup>].

**Realization** [BSL<sup>+18</sup>, PP21]. **Realizing** [SDSS14]. **reasonable** [CNHL08].

**Recognition** [CKC<sup>+18</sup>, KSA<sup>+22</sup>, PSR17, TZR20].

**Reconciliation** [IASK20]. **Reconfigurable**

[CEW<sup>+13</sup>, CCH16, CDP17, CNH12, GZZ<sup>+21</sup>, KPPB17, KZL15, NLL<sup>+17</sup>, VK18, WHL<sup>+21</sup>, EWKNW07, Sek07, SC06, Tah06, ZJS09a, ZJS09c, ZJS09b, ZJS10].  
**Reconfiguration** [MEHT21].  
**Reconstruction** [ZBF<sup>+22</sup>]. **Recorder** [SCZ<sup>+12</sup>]. **Recovery** [KCC<sup>+14</sup>, Sek07, ZXC10]. **Recurrent** [LZXL22, LJL18, SBZT20]. **Recycle** [BS20].  
**REDELf** [LKC15]. **Redesign** [YXD<sup>+17</sup>].  
**Reduced** [SGR<sup>+12</sup>]. **Reducing** [FC18, LBJ<sup>+16</sup>]. **reduction** [LSH14].  
**Reductions** [MMAAK23]. **Redundancy** [ABR<sup>+21</sup>, WDW13, SC06, WWJ09].  
**Redundant** [HH11]. **Reed** [LJ14].  
**Reference** [AMH<sup>+24</sup>, MGK18]. **Reflection** [MGST22]. **ReG** [LDP<sup>+20</sup>]. **Register** [CZW<sup>+19</sup>, WX15, ZCX<sup>+17</sup>, TCSV09].  
**Regular** [DDR<sup>+16b</sup>]. **Regularization** [YMW21]. **Regulators** [IBO22].  
**Reinforcement** [AAO21, DJH<sup>+19</sup>, FMTP22]. **rejuvenation** [AMA<sup>+14</sup>, CNPR14, MNT14, ZJT<sup>+14</sup>].  
**Relativistic** [MJ11]. **Release** [HLH<sup>+12</sup>].  
**Release-on-Demand** [HLH<sup>+12</sup>].  
**Reliability** [ANR<sup>+14</sup>, BAT<sup>+22</sup>, HCTK08, KYEB15, LYWW13, LBB<sup>+18</sup>, SHB<sup>+21</sup>, CWT14, DJH<sup>+19</sup>, DK09, Edi14, TMM<sup>+07</sup>].  
**Reliable** [CKA23, KT20, XZR<sup>+22</sup>, MeK07, WWJ09].  
**Rematerialization** [SBR19]. **Rendering** [LMZZ24]. **Repercussions** [SPS<sup>+24</sup>].  
**Replacement** [ON15]. **replicating** [TMM<sup>+07</sup>]. **Representation** [BBR<sup>+23</sup>, WL19]. **ReRAM** [BOAC<sup>+20</sup>, FSD22, KKY<sup>+20</sup>, LKK<sup>+22</sup>, LDP<sup>+20</sup>, WL19]. **ReRAM-Based** [WL19, KKY<sup>+20</sup>, LDP<sup>+20</sup>]. **ReRAMs** [MSB<sup>+22</sup>]. **Research** [WWG<sup>+19</sup>].  
**Reservoir** [BY18, LMM18]. **Residue** [HH11, PAP<sup>+22</sup>]. **Resilience** [ACM<sup>+20</sup>].  
**Resiliency** [SFD17, WWZ<sup>+22</sup>]. **Resilient** [ALY<sup>+21</sup>, LCT12, LZX<sup>+21</sup>, OK22, RDM<sup>+21</sup>, RSD<sup>+23a</sup>]. **Resistance** [ZJ11, ZH20].  
**Resistant** [VDK<sup>+21</sup>]. **Resistive** [BSL<sup>+18</sup>, DSB16, KKKK18, WRWW17, ZH20].  
**resonant** [LM13]. **Resonator** [ZLGL21].  
**Resource** [AVK16, NV14, OGB18, PHS<sup>+15</sup>, TZR20, TSA<sup>+24</sup>, TMG<sup>+21</sup>].  
**Resource-Constrained** [OGB18, TSA<sup>+24</sup>, TMG<sup>+21</sup>].  
**Resource-Efficient** [NV14, TZR20].  
**Response** [CMJ14, MGST22]. **Restoring** [MCT18]. **Restricted** [YP17]. **Restoring** [SDSS14]. **Retail** [KK12]. **Rethinking** [WZL16]. **Retrieval** [BBB<sup>+16</sup>]. **Reuse** [CH14]. **Reverse** [BWL<sup>+21</sup>, CCW18, QCF<sup>+16</sup>]. **Reversible** [DRSR14, DBG<sup>+14</sup>, DDR<sup>+16b</sup>, DJ08, HM14, LCSP14, Mog14, NV14, SMZ<sup>+19</sup>, SZSS10, SDSS14, SSP14, SWK<sup>+16</sup>, WDT14, CW08, LJ14, PSM<sup>+06</sup>, TR10, TR13]. **Review** [JLL<sup>+17</sup>, PYSJ22]. **RF** [CFK22, BSS16]. **RF/Analog** [BSS16]. **RIMEP2** [HM14].  
**Ring** [HON21, ZFT13, ZLGL21]. **Ripple** [MGZ<sup>+17</sup>, RSD<sup>+23a</sup>]. **Ripple-Carry** [MGZ<sup>+17</sup>]. **Ripple-less** [RSD<sup>+23a</sup>].  
**RMDDS** [LJ14]. **RNNFast** [SBZT20].  
**RNNs** [TFZ<sup>+21</sup>]. **RO** [AHPC21].  
**RO-PUF** [AHPC21]. **Robust** [ASB<sup>+21</sup>, AMH<sup>+24</sup>, BMB18, CQZK14, GRPT13, GJ17, LZX<sup>+21</sup>, LDZ22, MGK18, NAY24, PPM<sup>+13</sup>, SAAR20, CB09, WVG13].  
**Robustness** [BS15]. **Root** [MCT18].  
**Router** [Bis17, DRL<sup>+19</sup>, KPFFM16, CA11].  
**Routing** [VRBS16, DDP20, HRR19, LKC15, LDL10, MKW<sup>+14</sup>, PHS<sup>+23</sup>, RHB<sup>+20</sup>, VOB19, WWG<sup>+19</sup>, RT07, XC08]. **RRAM** [JRJ22, NHL<sup>+17</sup>]. **RRAMs** [FMW<sup>+22</sup>]. **RT** [ZBF<sup>+22</sup>]. **RT-RCG** [ZBF<sup>+22</sup>]. **RTL** [LDPPB21, WJWM23]. **Rule** [OBLD14].  
**Rule-Based** [OBLD14]. **runtime** [GMM12].  
**SaARSP** [LZXL22]. **SABER** [VDK<sup>+21</sup>].  
**SAF** [MZZ23]. **Safety** [SPS<sup>+24</sup>]. **Sampling** [QGW20]. **SAT** [TSA<sup>+24</sup>]. **SAT-Based** [TSA<sup>+24</sup>]. **Saviors** [ABM21]. **Scalable** [BPS19, BS21, Che15, DBS<sup>+21</sup>, GLL<sup>+21b</sup>,

GB18, MT14]. **Scale** [KCD15, KWWI17, PDL15, Bea11, CCTP08, LDL10, LGYC21, PDL07]. **scaled** [LBGR08]. **Scaling** [BSS16, JOF<sup>+</sup>15, LYWW13, WCSA10]. **SCALPEL** [RD22]. **Scan** [RSBA23, WFCX09, HCTK08, XS14]. **Scan-based** [RSBA23]. **Scan-chain** [WFCX09]. **ScatterVerif** [MGST22]. **Scheduling** [BM15, MSCS19, OGB18, SM19, TSA<sup>+</sup>24, STA<sup>+</sup>12, ZJT<sup>+</sup>14]. **Scheme** [CHA20, GLMG<sup>+</sup>15, GB18, MKMS22, MGK18, MSC<sup>+</sup>21, WRWW17, XS14]. **Schemes** [NVW<sup>+</sup>22, SMR<sup>+</sup>21, GD12]. **SCKVdd** [Che15]. **Scoring** [AAF13]. **SCT** [RT08]. **Search** [ZBF<sup>+</sup>22]. **Searches** [MT14]. **Secret** [BBB<sup>+</sup>16]. **Section** [SCLW19b, Bah09, LC08, Moh12]. **Secure** [ALY<sup>+</sup>21, CFK22, FKM22, MKMS22, RDS24, SK16]. **Securing** [EFRB22, PHS<sup>+</sup>23, RSBA23]. **Security** [AHS22, BSY<sup>+</sup>16, BGX<sup>+</sup>21, EDZ<sup>+</sup>23, FSDT23, FMP<sup>+</sup>21, GSC17, IGR<sup>+</sup>16, KRG<sup>+</sup>23, LTM22, LYEK22, MAC<sup>+</sup>21, MPR<sup>+</sup>22, NVW<sup>+</sup>22, PRV<sup>+</sup>20, PAC<sup>+</sup>22, RNN<sup>+</sup>22, SMR<sup>+</sup>21, WYZ<sup>+</sup>20, WJWM23]. **Segment** [KXY16]. **Segment-Based** [KXY16]. **Segmentation** [CLZ<sup>+</sup>22, MCH22, WL22a]. **Seizure** [SGR<sup>+</sup>12]. **Self** [CBK<sup>+</sup>22, Che15, DLL<sup>+</sup>19, IBO22, LCK19, MRG22, MGK18, RMG15, TMM<sup>+</sup>07, YYBK19, LDL10, PDL07, WCSA10]. **Self-aware** [DLL<sup>+</sup>19]. **Self-learnable** [YYBK19]. **Self-Organizing** [RMG15, LDL10, PDL07]. **Self-Protecting** [LCK19]. **Self-Reference** [MGK18]. **Self-replicating** [TMM<sup>+</sup>07]. **Self-Stabilized** [Che15]. **Self-Test** [CBK<sup>+</sup>22, MRG22, IBO22]. **self-timed** [WCSA10]. **Semantic** [JDPH<sup>+</sup>23]. **Semi** [ZK18]. **Semi-Trained** [ZK18]. **Sense** [SFD17]. **Sensing** [MGK18, ZLGL21]. **Sensitive** [ZY18]. **Sensitivity** [LDK<sup>+</sup>18, WDG<sup>+</sup>20]. **Sensitivity-based** [LDK<sup>+</sup>18]. **Sensor** [LPB<sup>+</sup>15, LWM<sup>+</sup>14, MKMS22, MGS<sup>+</sup>12, RDS24, GD12, LWX<sup>+</sup>14, WOW<sup>+</sup>10]. **Sensors** [GGTG<sup>+</sup>20]. **Separable** [HYA<sup>+</sup>20, KRP<sup>+</sup>21]. **Separation** [KR18]. **Sequence** [PPM<sup>+</sup>13]. **Sequences** [MT14]. **Sequential** [NLL<sup>+</sup>17, CW08, TR10]. **SerDes** [XLL<sup>+</sup>18]. **serial** [Gla14]. **Series** [MKS17]. **server** [MNT14]. **servers** [ABS<sup>+</sup>12, KSB<sup>+</sup>08]. **Setup** [GB18]. **SFQ** [GGHP<sup>+</sup>24, PP21]. **Share** [BS20]. **Shared** [HAV<sup>+</sup>22, PAB<sup>+</sup>17, VK18]. **Sharing** [CDP17, MKMS22, SSP14]. **SHARP** [VK18]. **Shielding** [ZCX<sup>+</sup>17]. **Shift** [VSRR15, TCSV09]. **Shift-Based** [VSRR15]. **shift-register-based** [TCSV09]. **shifter** [MP10]. **Short** [ZSPC19]. **Short-Term** [ZSPC19]. **ShuntFlowPlus** [GLL<sup>+</sup>21b]. **Si** [HCTK08, KAB<sup>+</sup>21]. **Side** [ABM21, ASK23, VDK<sup>+</sup>21, DDG<sup>+</sup>22, DCSA22, MLW<sup>+</sup>23, PYSJ22, PRV<sup>+</sup>20, RPBA21, RBHG21]. **Side-Channel** [ABM21, PRV<sup>+</sup>20, ASK23, DDG<sup>+</sup>22, DCSA22, MLW<sup>+</sup>23, RPBA21, RBHG21]. **Side-Channel-Resistant** [VDK<sup>+</sup>21]. **Sign** [FSDT23]. **Sign-off** [FSDT23]. **Signal** [LPM<sup>+</sup>19]. **Signaling** [KST<sup>+</sup>22]. **Signals** [YLR<sup>+</sup>23]. **Signature** [TW22, XZR<sup>+</sup>22]. **Signatures** [DDG<sup>+</sup>22]. **Signed** [GZZ<sup>+</sup>21]. **Silicon** [CDP17, KDMT22, MLW<sup>+</sup>23, STNP21, TZS14, XNK18, BPH<sup>+</sup>11, FSDT23]. **Silicon-correlated** [MLW<sup>+</sup>23]. **Silicon-Photonic** [CDP17]. **SILVerIn** [PB21]. **SIMD** [PDL07]. **Similarity** [KSA<sup>+</sup>22]. **Simple** [DDR<sup>+</sup>16b]. **Simplified** [FYJ<sup>+</sup>17]. **simplifying** [PSM<sup>+</sup>06]. **Simulated** [MPZ21]. **Simulation** [CJ14a, CJ15, FYJ<sup>+</sup>17, GHHW19, KKNM22, MLW<sup>+</sup>23, SWJ07, YLF<sup>+</sup>17, FGZ14]. **Simulation-based** [KKNM22]. **Simulator** [AVK16, VAK18, VSM19, ZLB<sup>+</sup>22, HYWA09, LJ10]. **Simulators**

[ZF15, KCC<sup>+</sup>14]. **Single** [VRBS16, CEW<sup>+</sup>13, CCH16, WHL<sup>+</sup>21, SXL<sup>+</sup>12]. **Single-Electron** [CEW<sup>+</sup>13, CCH16, WHL<sup>+</sup>21]. **single-walled** [SXL<sup>+</sup>12]. **Situ** [MS19, ZK18]. **sizing** [LSH14]. **Sketching** [AL17]. **Skew** [NPA<sup>+</sup>12]. **SkyBridge** [BLKM23]. **Skyrmion** [KWC<sup>+</sup>20]. **Slicing** [LDZ22]. **Small** [MKW<sup>+</sup>14]. **Small-World** [MKW<sup>+</sup>14]. **SNE** [MPZ21]. **Sneak** [WRWW17]. **Sneak-Path** [WRWW17]. **SNN** [KWG<sup>+</sup>20]. **SoC** [GSC17, HLH<sup>+</sup>12]. **soft** [LWX<sup>+</sup>14, SKRX13]. **soft-error** [LWX<sup>+</sup>14]. **Software** [ASK23, AMA<sup>+</sup>14, BGX<sup>+</sup>21, IGGR19, KKY<sup>+</sup>20, LDPPB21, WZL16, ZJT<sup>+</sup>14, CNPR14, MNT14]. **Software-driven** [BGX<sup>+</sup>21]. **Solar** [RSD<sup>+</sup>23a]. **Solution** [BAT<sup>+</sup>22, BM15, KHC<sup>+</sup>22]. **Solutions** [FSDT23, FMP<sup>+</sup>21, LYEK22, LCK19, Rez23, VGZ11, ZCB<sup>+</sup>22, MN06, Moh12]. **solver** [KTW08]. **Sort** [GUP11]. **Sorting** [ANT22, MSC<sup>+</sup>21]. **SOT** [PAF18]. **SOT-MRAM** [PAF18]. **Source** [Bis17, KR18]. **Sources** [BGX<sup>+</sup>21]. **Space** [LDK<sup>+</sup>18, ZJK22, TJ13a, XLBB06, ZJS09a]. **SPARCNet** [PJSM17]. **Spare** [BKJ19]. **Sparse** [HIH18, HYA<sup>+</sup>20, PJSM17, RMG15]. **Sparsification** [PSL<sup>+</sup>19]. **Sparsity** [YMWH21]. **Spatial** [KWFH12, LTO22]. **Spatio** [MMAAK23]. **Spatio-Temporal** [MMAAK23]. **Special** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK<sup>+</sup>23, FSDT23, FMP<sup>+</sup>21, GMGA23, Gui13, HN15, KK23, LZBW20, Moh12, MPR<sup>+</sup>22, MSW14, SCLW19b, SS15, SLCJ22, SK16, SN11, TTS22, TSB15, TSMCB17, TV17, WD22, ZLWB20, AD14, BC08, Bah09, CS07, Edi14, LC08, McK07, PG12, PR13, WDT14, XCF08]. **specialized** [BC08]. **Specific** [DKK<sup>+</sup>15, FC18]. **Specification** [MMD<sup>+</sup>20, OBLD14]. **spectrally** [KTW08]. **Speech** [CKC<sup>+</sup>18]. **Speed** [BYHT18, LTKP16, PAB<sup>+</sup>17, XLL<sup>+</sup>18]. **Speedup** [KAKSP14]. **SPICE** [KCC<sup>+</sup>14]. **SPICE-compatible** [KCC<sup>+</sup>14]. **Spike** [AMF<sup>+</sup>15, LYL19, MSC<sup>+</sup>21, ZWL<sup>+</sup>15]. **Spike-Time-Dependent** [ZWL<sup>+</sup>15]. **Spike-Timing-Dependent** [AMF<sup>+</sup>15]. **Spike-timing-dependent-Plasticity** [LYL19]. **Spiking** [ASB<sup>+</sup>21, BVM<sup>+</sup>19, CThG15, HIH18, JRJ22, KCD15, LZXL22, LMZZ24, LJL18, LYL19, MSC<sup>+</sup>21, NAY24, RBG<sup>+</sup>22, SPR18, VOB19, LMZZ24]. **Spiking-NeRF** [LMZZ24]. **Spin** [AKW<sup>+</sup>13, MS17, SCT<sup>+</sup>22, VSRR15, WYZ<sup>+</sup>20, YLF<sup>+</sup>17, CSKM13, CWL<sup>+</sup>13, EWKNW07, MFA<sup>+</sup>13, XZR<sup>+</sup>22]. **Spin-based** [WYZ<sup>+</sup>20]. **Spin-Torque** [YLF<sup>+</sup>17]. **Spin-transfer** [AKW<sup>+</sup>13, XZR<sup>+</sup>22, CWL<sup>+</sup>13, MFA<sup>+</sup>13]. **spin-transfer-torque** [CSKM13]. **spin-wave** [EWKNW07]. **SpiNNaker** [PCD<sup>+</sup>11]. **Spintronic** [AMH<sup>+</sup>24, IGR<sup>+</sup>16, SBT20]. **Spintronic-based** [AMH<sup>+</sup>24]. **Spintronics** [KZW<sup>+</sup>15]. **Split** [CZW<sup>+</sup>19]. **Splitters** [DWK<sup>+</sup>16]. **Square** [MCT18]. **SRAM** [GJ17, KHC<sup>+</sup>22, RKM15, TFR23]. **SRAMs** [RMW<sup>+</sup>17]. **SSS** [DLL<sup>+</sup>19]. **Stabilized** [Che15]. **stacked** [KWFH12, MHM<sup>+</sup>08, SKRX13, ZS08]. **stacked-Vdd** [ZS08]. **stacking** [KSB<sup>+</sup>08, MHM<sup>+</sup>08]. **Stage** [ZGSA15]. **Stand** [RFDT15]. **Stand-By** [RFDT15]. **Standard** [CMJ14, KCWL<sup>+</sup>16, MS17]. **STAP** [dLBHC22]. **State** [MDS21, ABS<sup>+</sup>12]. **Static** [DLL<sup>+</sup>19]. **Static-dynamic** [DLL<sup>+</sup>19]. **Statistical** [LTKP16, YJ18]. **STDP** [SAAR20, SPR18]. **STDP-based** [SAAR20, SPR18]. **Stealthy** [CMZR23]. **Step** [WRWW17]. **STIFT** [MMAAK23]. **Stitch** [MDS21]. **Stochastic** [ACH<sup>+</sup>17, AL17, EDCL<sup>+</sup>22, GIS<sup>+</sup>22, KKNM22, LNL19, LQYL19, LP17, LMM18, MZR<sup>+</sup>14, MKSW17, MS19, MS20, NLL<sup>+</sup>17, NPH18, PHS<sup>+</sup>23, ZCDD19]. **stochastically**

[GRS05]. **Stone** [BSL<sup>+18</sup>]. **Storage** [SCZ<sup>+12</sup>, VSRR15, VTKT22, YYPK17, ORC<sup>+24</sup>]. **strain** [LWH14]. **Strategies** [SFD17, FRB08, GRS05]. **Strategy** [MSCS19]. **Stream** [GLL<sup>+21b</sup>]. **Streaming** [GYM<sup>+17</sup>, KR18, QGW20]. **Streams** [GGTG<sup>+20</sup>]. **stretching** [MRH12]. **Structure** [DDR<sup>+16b</sup>, YYPK17]. **Structured** [AHS17, LH20]. **structures** [PSM<sup>+06</sup>]. **STT** [AKW<sup>+13</sup>, LPW18, NLW<sup>+20</sup>, PFRR17, SFD17, SMT21, VDB<sup>+16</sup>, ZCX<sup>+17</sup>]. **STT-MRAM** [AKW<sup>+13</sup>, SMT21]. **STT-MRAM-based** [NLW<sup>+20</sup>]. **STT-RAM** [LPW18]. **STTRAM** [GG17, MGK18, WX15]. **STTRAM-Based** [GG17, WX15]. **studies** [CNPR14]. **Study** [DDR<sup>+16a</sup>, KWC<sup>+20</sup>, KST<sup>+22</sup>, PPM<sup>+13</sup>, PSY<sup>+18</sup>, SCT<sup>+22</sup>, YLF<sup>+17</sup>, CB09, HCTK08]. **styles** [CJ14b]. **Sub** [GVRR17, ON15, RFDT15, WOW<sup>+10</sup>]. **Sub-** [RFDT15]. **Sub-10nm** [GVRR17]. **Sub-Block** [ON15]. **sub-mW** [WOW<sup>+10</sup>]. **Subcrossbar** [YL14]. **Substrate** [PAB<sup>+17</sup>]. **Success** [NPS<sup>+20</sup>]. **Suite** [XCS<sup>+19</sup>]. **Sum** [KKK22]. **Super** [GVRR17]. **Super-Threshold** [GVRR17]. **Supercapacitor** [LPB<sup>+15</sup>]. **Supercapacitor-Based** [LPB<sup>+15</sup>]. **Superconducting** [GGHP<sup>+24</sup>, PP21]. **Supervised** [CZQK15, LYL19]. **Supervision** [EFRB22]. **Supply** [EFRB22, LWM<sup>+14</sup>, MLP<sup>+20</sup>, MMJ09]. **Support** [CTT<sup>+20</sup>, KMS<sup>+20</sup>]. **Surface** [CMJ14, KDMT22, KTW08]. **Surface-Wave** [KDMT22]. **Surgical** [XYJ<sup>+21</sup>]. **Survey** [BVM<sup>+19</sup>, EDZ<sup>+23</sup>, GBLD15, GNY<sup>+22</sup>, KAB<sup>+21</sup>, KK12, KRG<sup>+23</sup>, Mit16, Mit17, QCF<sup>+16</sup>, SFD17, STNP21, CNPR14]. **sustainability** [KMD12]. **Sustainable** [RSD<sup>+23a</sup>, RSD23b, PG12]. **SW** [JRLR15]. **SWIFTNoC** [CDP17]. **Swing** [SSF<sup>+15</sup>]. **Switched** [GB18]. **Switching** [BSL<sup>+18</sup>, DRG21, MKG<sup>+23</sup>]. **SWMR** [HAV<sup>+22</sup>]. **Symbol** [GLL<sup>+21a</sup>]. **Symmetric** [DDR<sup>+16b</sup>]. **Symposium** [Shu09]. **Synapse** [LWY22]. **Synapses** [WKL16, WLJC21, JRC<sup>+13</sup>]. **Synaptic** [BOAC<sup>+20</sup>, KZL15, WKL16]. **Synchronous** [RFDT15]. **Synthesis** [AHSZ16, CEW<sup>+13</sup>, CH14, CCH16, CW08, DRSR14, DWK<sup>+16</sup>, DDR<sup>+16b</sup>, GCJ17, HSZM17, HD14, LCSP14, MPM13, PT14a, PAC<sup>+22</sup>, SMZ<sup>+19</sup>, SSP14, SKB13, CCTP08, DJ08, LJ14, MMJ09, PT14b, SZSS10, SC08, XC08, ZXC10, VTKT22]. **Synthetic** [Dea14, FHFK14, HD14, MHW14, MSW14, OBLD14, VMV13]. **System** [ASB<sup>+21</sup>, ARLB18, BY18, CJ15, DEW<sup>+23</sup>, DLL<sup>+19</sup>, HH11, AML<sup>+23</sup>, JWJ<sup>+17</sup>, KSA<sup>+22</sup>, LBJ<sup>+16</sup>, LWM<sup>+14</sup>, MKSW17, PAP<sup>+22</sup>, QCF<sup>+16</sup>, RSD<sup>+23a</sup>, SS15, SN11, SCZ<sup>+12</sup>, TZR20, TSMCB17, WXW<sup>+17</sup>, CB09, MP10, YW13, ZJS09c, ZJS09b, PCD<sup>+11</sup>, YXW<sup>+12</sup>]. **System-Level** [ARLB18, JWJ<sup>+17</sup>, MP10]. **System-on-chip** [DLL<sup>+19</sup>, PCD<sup>+11</sup>, YXW<sup>+12</sup>]. **Systematic** [PB21]. **Systems** [ACJ17, ARD24, BAT<sup>+22</sup>, CMZR23, DMYT15, DRL<sup>+19</sup>, EDZ<sup>+23</sup>, FKM22, FYJ<sup>+17</sup>, GBLD15, HHH18, IASK20, KZW<sup>+15</sup>, KDMT22, MSCS19, MGMU22, MAC<sup>+21</sup>, RMW<sup>+17</sup>, RNN<sup>+22</sup>, REL<sup>+22</sup>, SAAR20, SPS<sup>+24</sup>, TWLL19, TTS22, TSB15, TKBM12, TV17, WZL16, XNK18, ZSXY11, GMM12, LBGR08, LWX<sup>+14</sup>, Moh12, MCT10, PG12, STA<sup>+12</sup>, SLS<sup>+14</sup>, WOW<sup>+10</sup>, WCSA10]. **systems-on-chip** [GMM12, LWX<sup>+14</sup>]. **Systolic** [LZXL22]. **Systolic-Array** [LZXL22].

**T** [MCT18]. **T-count** [MCT18]. **Tag** [RD22]. **Tag-enforced** [RD22]. **Taming** [AGR<sup>+23</sup>]. **Targeting** [CKC<sup>+18</sup>, HSZM17, MKG<sup>+23</sup>]. **tasks** [STA<sup>+12</sup>]. **Taxonomy** [SFD17]. **TCAMs** [dLBHC22]. **Technique** [CCW18, Che15, HRR19, HLH<sup>+12</sup>, TFR23].



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