

# A Complete Bibliography of Publications in *IEEE Spectrum* (2020–2029)

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## Title word cross-reference

**2** [Sch21e]. **2.0** [Moo24b, WB21].  
**200-Year-Old** [Smi21f]. **2020** [Ano20t].  
**2021** [Ano21-115]. **20th** [Moo20c]. **22**  
[Bro22b].  
**3D** [BF24, Moo22a, Moo24d, SC23].  
**3D-Chip** [Moo24d].  
**5** [Ros20a]. **536** [Bre20]. **5G**  
[Hig20i, Koz21b].  
**6G's** [Pou22].  
**75-Year-Old** [Abb23].  
= [BSAH21, Pal22].  
**A.A.C.** [Smi20h]. **Aakhilesh** [Gen24c].  
**\$** [Ulr20b]. **\$1** [Pot20b]. **\$100**  
[Sch22a, Sch22d]. **3** [And20f]. **\$74** [GA20]. **>**  
[Coo22, Gen22]. **2** [Cas23c].  
**000-Qubit** [Cho23].  
**1** [Ano20-51, Koz23d, Ros21].  
**1-Trillion-Transistor** [LW24]. **100**  
[Cas22f]. **100th** [Moo22c]. **118** [Smi20h].  
**143-Year-Old** [Zor22c]. **1800s** [Ano20-78].  
**19** [And20b, Cha20a, Gib21, Ham20a,  
Has20a, Hut20, NS20, Per20a, Pes20e,  
Pes21a, Pre20, SHD20, SZ20, Wal22, YS20].  
**1935** [Bro22b]. **1950s** [Hoc22]. **1970**  
[McC20].

**Aalyria** [Koz23b]. **Able** [Smi21e].  
**Accelerating** [Ulr21, Gar20]. **Accelerator** [Boy24]. **Accelerators** [Gen24k, Gar20].  
**Access** [Smi22a, Gol22b, Koz21a, Ano21-57, Ano21-58, Ano22-59]. **Accident** [Har21, Ros22a]. **Accordingly** [KK21].  
**Accurately** [Sla21]. **Act** [Ack22a, Pat23a].  
**Act-Funded** [Pat23a]. **actions** [RS23].  
**Activity** [Sla21]. **Actually** [Smi21k]. **AD** [Mar24h]. **AD-X2** [Mar24h]. **Adam** [Der22a]. **adapt** [ALRW21]. **adaptations** [Gol24d]. **add** [Zel20]. **adds** [Gol22f].  
**ADHD** [And20e]. **Adieu** [Gol24b].  
**Adjusted** [Per22c]. **Administers** [KK21, Ano20h]. **adopting** [Ras20b].  
**Adrian** [Ano21a]. **Ads** [Ano21-61].  
**advanced** [Arm20]. **Advances** [And20c, MCG24, WAC<sup>+</sup>20, Moo20b, Pes21a].  
**advancing** [Nor20a]. **Advantage** [Jag22].  
**Advertisement** [Ano20-103, Ano20-104, Ano21-27, Ano21-29, Ano21-30, Ano21-28, Ano21-31, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z, Ano21-63, Ano21-111, Ano21-57, Ano21-58, Ano21-128, Ano21-59, Ano21-137, Ano21-141, Ano21-145, Ano22-46, Ano22-47, Ano22-49, Ano22-48, Ano22-50, Ano22-51, Ano22a, Ano22b, Ano22-27, Ano22-28, Ano22-29, Ano22-30, Ano22-31, Ano22-32, Ano22-33, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22-39, Ano22-40, Ano22-41, Ano22-42, Ano22-43, Ano22-44, Ano22-45, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w].  
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**Advertisements** [Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano21-32]. **advocates** [Gen23c]. **aerosol** [Ano20h]. **Aerospace** [Gen24d, JAR24]. **Affair** [Mar24h]. **affects** [Smi22d]. **Affordable** [WPBS23]. **Africa** [Smi22a]. **African** [Fai21, Moo20c]. **After** [Zor20, Zor22d, Hoc22, Ros20a, Smi20h, Zor23b]. **Afterlife** [WC23]. **Aftermarket** [Usk21]. **Again** [Sch21e, Str22b, Cas20i, DM20, Smi22j].  
**Against** [Mar23j, Ros23b]. **Age** [Ack22a, Bea22, Pes21b, Lee20]. **ago** [Pat24b, Tho21b]. **agricultural** [Fai21].  
**agricultures** [Per20n]. **Ahead** [Ano21-55, Gol23d, Gol23h, And20g]. **AI** [Abb23, Ano20f, Ano21-113, Ano23a, BSG22, Baj22, Bau24, BBS23, Bro23c, Bro21, BSAH21, Cal22, Cas20d, Chi21, CHM21, Gen24a, Gen24g, Gen24i, Gen24j, GH23, Gol22a, Gol22b, Gol23a, Gol24g, Gol24e, Hsu20a, Koz23a, Koz24c, LW24, Mar23k, MSS21, Moo22b, PN20, Per20f, SHP24, Sch21a, Scu20b, Str21, Str22a, SZ23, Str24a,

VA23, Wal20a]. **AI-assisted** [Hsu20a]. **AI-Generate** [VA23]. **AI-Generated** [Koz23a]. **aided** [Hoc22]. **aides** [Bar20]. **aids** [Sch20b]. **Aim** [AZPC22, Smi23a]. **Aims** [Gen23e, Dum20]. **Air** [AZPC22, NG23, Smi21n, DM20, Gal21b, Smi20h]. **Air-Quality** [Smi21n]. **Air-Taxi** [AZPC22]. **aircraft** [Ros21]. **airliner** [JAR24]. **Airliners** [Sch21e, Smi21e]. **airplanes** [Cri20]. **Airship** [Koz23d]. **AIs** [Cho21, Usk21]. **alchemy** [Cas20f]. **Alerts** [Fit21]. **Alexa** [Has20b]. **Algebra** [Smi22c]. **Algorithm** [Cal24, Wal22]. **Algorithmic** [Lau24]. **Algorithms** [RZ21, Per20e, Per21b, Str20b]. **Alien** [BMRW20]. **All-Digital** [Bow21]. **All-Electric** [Ulr21]. **All-Metal** [Cha21a]. **All-Purpose** [Chi21]. **all-seeing** [GAG20]. **All-Sky** [Sch23c]. **Allaire** [Cas22d]. **allowed** [Tho21b]. **allows** [Bra21]. **Almost** [Jon24a, Per21c, Svr23, Sch21b]. **alone** [Rae20]. **along** [Pat22]. **already** [Pat24a]. **Also** [Pat23b, AFH22]. **Alt** [Shi22]. **Alt-Tech** [Shi22]. **Altarock** [Gal20a]. **alternative** [MMP22, Moo21]. **Alternatives** [Der22a]. **Alto** [Bro23a]. **Am** [Bro22b]. **amazing** [Cas22e]. **Amazon** [Has20b, Jon23b]. **ambition** [Zor22a]. **AMD** [Moo23a]. **America** [Ano20t]. **American** [Moo20c]. **Amethyst** [Sar20]. **Ammonia** [Gal21a]. **amounts** [Jaf22]. **Amp** [Pau22]. **Amplifiers** [Shi22]. **Analog** [BSAH21, CAS24a, Cas20b]. **Andrew** [Jon23a, Str22a]. **angel** [Per20k]. **Anguilla** [Koz24c]. **Angus** [Der22g]. **Ankur** [Der21h]. **anniversary** [Moo22c]. **Annual** [Cas21d, Per22c]. **anodes** [And20c]. **Anonymous** [Hig20a]. **Antenna** [Cha21a, Sch22b]. **antennas** [Cas22b]. **Anthrax** [Mar21h]. **antibody** [And20b]. **Antigenic** [Wal22]. **antiracist** [Hsu20a]. **antiviral** [Ano20h]. **antivirals** [Scu20b]. **Anton** [Koz23a]. **any** [And20f, RK22, Svr23]. **Anyone** [Cha23]. **Anything** [Lev21]. **Anytime** [Bro21]. **anywhere** [YS20]. **Aperture** [Van23]. **Apocalypse** [SZ23]. **Apollo** [Cas22g]. **Apollo-Era** [Cas22g]. **App** [Fai21, BBS23, Per20]. **app-controlled** [Per20]. **appear** [And20c, WB21]. **Appetite** [Gol24g]. **Apple** [Smi22h, Per21a]. **Applying** [Ano20f]. **approach** [Cly22]. **apps** [Hsu20b]. **AR/VR** [Per20j]. **Arc** [Mar21i]. **architect** [Der20]. **Architecture** [Kas23]. **Arctic** [Rab22]. **Arduino** [Sch23b]. **Arduino-based** [Sch23b]. **Argotec** [BD22]. **Argumentative** [Ano23a]. **Arjun** [Goo23a]. **Arm** [Ano23-133, FBMI23]. **Arms** [You22, Ros20a]. **Army** [Ack21b]. **Arpanet** [Cro20]. **Arrays** [BF24]. **Art** [Fra21, Jon22d, Koz23a, McC20]. **Arthritis** [Dol23a]. **Arthur** [Gen24d]. **Artificial** [Gol23a, KK21, Zim21, Fun20, Hut21]. **Artist** [Gol23f, Gol24f, WB21]. **Asad** [Per22a]. **Ascendant** [Smi21j]. **Ashore** [Fai24]. **Asia** [Fru20]. **aspect** [Smi22d]. **Assisted** [Sch24b, Hsu20a]. **Assistive** [Jon23a, Gol22e]. **Asteroid** [GO22]. **astray** [Hut20]. **Astronaut** [Ste21]. **Astronomy** [Sch24b]. **athletes** [Pat22]. **Atom** [Rad20]. **Atom-thick** [Rad20]. **Atomic** [CFPP22]. **Atomically** [WB21]. **Attack** [Ano20g]. **attain** [And20i]. **attracting** [Per20f]. **Audio** [Gan24, LDO22, Pau22, Sch20b]. **Augmented** [Ros22a, HVW20, Per21a]. **augmented-reality** [HVW20, Per21a]. **August** [GO22]. **Australia** [Fai23b]. **Authenticators** [TB21]. **author** [Ano20p]. **autism** [Bar20]. **autistic** [HVW20]. **Autodidacts** [Jon23c]. **Autoimmune** [Dol23a]. **Automakers** [Cha23]. **automated** [Zor23c]. **Automatic** [Ros22c]. **Automating** [Scu20b]. **Automation** [Coo21, Mar23k, Has20b, Scu20b]. **Automaton** [Ano20h, Fru20]. **Autonomous** [Ack22c, Ack23c, Ano20i, Der22g, LG20, Ros23a, Smi23a, AG20, And20a, Ano20-90, Der22h, Per20l, Wea20].

**Autonomy** [Jon24c, And20g]. **AV** [And20g]. **available** [Pou22]. **Avatar** [Ack23a]. **Avicena** [Moo23b]. **away** [Per22a]. **AWS** [Ano20-95]. **Axial** [GP22]. **Axial-Flux** [GP22]. **AxiDraw** [Cas20g]. **Ayar** [Moo23b].

**B** [Der21g]. **Back** [Ano20g, Ano20j, Ano20k, Ano20r, Ano20q, Ano20-69, Ano20-47, Ano20-48, Ano20-81, Ano20-92, Ano20s, Ano20-80, Ano20-102, Ano21-49, Ano21-50, Ano21-47, Ano21-48, Ano21-62, Ano22-46, Ano22-47, Ano22-50, Ano22-122, Ano22-132, Cas23c, Gol23d, Jon24a, LDO22, Luc20a, Rab22, WC23, Ano20-74, Ano20-75, Ano20-85, Red20, Ros20a, Sch21b, Ano20l, Ano20m, Ano20n, Ano20o, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano22-52, Ano22-53, Ano22-54]. **Backbone** [Tow21]. **backers** [AS22]. **backpack** [Ham20d]. **backup** [Sch20c]. **Bad** [Cho21, Smi21l]. **baggage** [GAG20]. **Baidu** [Smi23a]. **Balance** [AFH22]. **Balloons** [Sch22b]. **ban** [SG22]. **Bandgap** [Mis23]. **bands** [RHB22]. **Bandwidth** [BD22, FBMI23, Pou22]. **Bang** [Sch21b]. **Bangladesh** [Fai20a]. **Bank** [Pau22]. **bare** [Cas20h]. **bargain** [Ano20-45]. **Barometer** [Sch22a]. **barrier** [Moo20e, Pan20]. **Based** [Sch23a, Tei23, Ack23d, Cas23d, Cas24c, Gol24a, Moo23b, Sch23b, Zor20]. **Batteries** [Cha24, Smi21e, And20c, Ano20i, Cri20, Fai21, Kum21, MW20, Moo21, Pat20, Ulr20b]. **Battery** [Bow21, GH23, Kum21, Mur23, Kum20]. **Battle** [Cas20b]. **Battlefield** [Ack21b]. **battling** [YS20]. **Be** [Cas22c, Ack23d, And20b, Ano20-68, BS22, Cas22g, Cas23d, Cas24d, Cho21, CHM21, DM20, FBMI23, GOL24c, Gui20, Hsu20a, Hsu20b, Moo22c, Pat22, Pot20b, Sch21d, Sch22e, Smi21d, Smi22l, Smi23c, VH20, WPBS23]. **Beam** [Smi21d]. **beamed** [Jaf22]. **Beaming** [Bar24]. **Beams** [Mos22]. **Beat** [Ack23c, Cha24]. **Beatles** [Arm20]. **Became** [Deg24, Ano20-68]. **Because** [Ano21-27, Ano22-55]. **Become** [Ano20p, Ano21a, MS22, Ros22c]. **Becomes** [SH22b]. **Becoming** [TGLM21]. **Bee** [Jon24c]. **Been** [Smi21m, Der23c, GOL24c, Koz24c, Per21b, Smi22g]. **Before** [Gen22, Jon23k, Mul24, NG23, Pes21a, Sch21b, BMRW20, Dut22]. **begin** [Tem20]. **beginning** [Smi22d]. **Begun** [Usk21, Ulr20c]. **Behemoths** [Fai23a]. **Behind** [AZPC22, Koz23a, She24, HP20, Hut20]. **Behold** [Mar24a]. **Being** [GEN24f, Pes20a]. **Bekeryte** [GEN24f]. **Bell** [Der21e]. **bellwether** [Ano20s]. **Below** [CPBZ21]. **bend** [ZL20b]. **bendable** [Som21]. **bespoke** [Dum20]. **Best** [Ack23c, Ano21-144, Ano22-131, Ano22-132, Der21g, GP22, Sto23, Wat24, Ano20-103, Ano20-104, Ano21-145, Pot20b, Wal20a, Rao24]. **Bet** [Ano21-53, Koz24d, MCG24]. **bets** [Rak24a, Sch21a, Ulr20b]. **Better** [Baj22, Bro23c, BSAH21, Gol22a, Ano21-91, Arm20]. **betting** [Scu20b]. **Between** [Gol24a, Ano20-79]. **Beware** [Bro22d, Ros22b]. **Beyond** [Ano21-124, CAS24a, PSD22, BS22, Ros20a]. **bias** [Str20b]. **biased** [Hut21]. **Bids** [Gol24b]. **Big** [Ano21-53, Ano21-54, Ano21-55, Ano21-56, Ano21-51, Ano21-52, Ano21-114, Ano21-136, Ano22-56, Ano22-57, Ano22-58, Cly20, Der22a, Koz21a, Koz24d, LH24, MCG24, McC20, Ras20b, Sch24c, Str22a, Ano20-71, BS22, DM20, Ulr20b, Sch21b]. **Biggest** [Hub24]. **Bike** [Sch21d]. **bikes** [MMP22]. **Billion** [Per24, Ulr20b]. **Billion-Dollar** [Per24]. **Biofuels** [MW20]. **Biology** [Ano20q]. **Bionic** [Str22b, SH22b, You22]. **Bionic-Hand** [You22]. **Biosensors** [Per20a]. **Birding** [Sch24a]. **Birds**

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**D** [And20f]. **Dangerous** [VA23]. **Dare** [SHP24]. **dared** [Ack23d, Cas23d]. **Dark** [Ano21-54, Moo23b, Sch20c]. **DARPA** [Ack22c]. **dashboard** [Sch23b]. **Data** [Cal24, Car24, Dum20, Har22, HH24, Hig20b, Koz21a, LH24, Moo24c, Rab22, AS22, Nor20a, Per21b, RS23, Ras20b, SMD20, SG22, ZL20a]. **Data-driven** [Hig20b]. **databases** [Dum20]. **David** [Gol23e, Koz24a]. **Davis** [Ano20-101]. **Day** [Bro22b, Tow21, Gen24j]. **Days** [Ano21-55]. **DC** [Fai24]. **dead** [Red20]. **death** [Der20, SB22a]. **debut** [Per20a]. **Decades** [Bro22a, HF22, Der23c, Gol23d, Pat24b, Per21b, Per23, Ros20a, Zor20, Smi23b]. **Decarbonization** [Smi22c, Smi22d]. **Decarbonize** [Cab24, Gol24d, MMP22]. **December** [Ano21-115]. **Decent** [BD22]. **decision** [Hut21]. **decision-making** [Hut21]. **Declining** [Smi21k]. **Deco** [Jon22d]. **Decoupling** [RS23]. **Dedicated** [Tow21]. **Deep** [Ack21b, Ano21-113, Ham21, LCBH20, LDO22, MSS21, Sch21a, Sch22c, TGLM21, BMRW20, Jon24a, Moo20e, Pat24a, Per20n, Zor22d, Dum20]. **deep-learning** [Per20n]. **deep-ocean** [Zor22d]. **Deep-Sea** [Sch22c]. **deep-space** [BMRW20, Jon24a]. **Deep-sp spare** [LCBH20]. **Deep-time** [Dum20]. **deeper** [Ano20-84, Gal20a]. **deepfakes** [BSG22, Str20a, Str24b]. **DeepMind** [Chi21]. **Deere** [Der23a, Per20n]. **Defender** [Ulr22]. **Defense** [Cha21b, Lew23, Per22a]. **Defined** [Kas23, Cas22b, Lee20]. **defunct** [Red20]. **Degl’Innocenti** [Gen24k]. **Delight** [Cas23b]. **Deliver** [BD22, Per20e, Zor20]. **delivered** [Ano20-68, Wal24b]. **delivering** [LDO22]. **Delivers** [Gol24h]. **Delivery** [Cal24, Jon23b, Mar20h, Rak24a, Sch20a]. **Dell** [Smi22l]. **Demand** [AFH22, Str22b, Per20j]. **Demands** [LW24]. **demonstrate** [Cly22]. **Demos** [PRR23]. **Dennisa** [Der21d]. **density** [Cha24, Smi22k]. **Departments** [Per20d]. **Depend** [Fit21, Per20h]. **describe** [NS20]. **Desert** [Jon22e]. **deserve** [Hig20h]. **Design** [Ano21-91, Cha21a, Kas23, Gol22e, Hig20a]. **designed** [Per20l]. **Designer** [Gen23d, Zor24]. **Designing** [Sto23]. **Designs** [GP22, Smi22e]. **Despite** [Fun20, Rab22]. **destroy** [And20h]. **Destroyed** [Mar23j, Moo20c]. **destructiveness** [Smi22i]. **Detailed** [Sch24b]. **Detect** [Sch22a, Sch23a, Sch24a, WB21]. **Detecting** [Mar23j]. **Detection** [Baj22]. **Detector** [Cas24e, Jon23i, Wal20b]. **Deterrence** [Baj22]. **develop** [Per20e]. **developers** [Per20j, Wea20]. **Development** [Ash23, Hsu20a, Zor20]. **Developments** [JPWB21, MJH+21, SAS+21, CKG+21]. **Device** [Gen24l, Gol22c, KK21, Moo22c]. **devices** [Ano21-91, Arm20, MW20]. **diagnostic** [YS20]. **Dialogue** [CD21]. **Did** [Bro23c]. **Didn’t** [Bro23c, Cas20g]. **difference** [Pat24b]. **Different** [Dol23b, Ack23d, Cas23d]. **dig** [Gal20a]. **Digital** [Bow21, CAS24a, Der23d, Dum20, HS23, Smi23c, WC23, Koz23b, Mar20a, Str24b, Zel20]. **dilemma** [Hsu20b, Bro22d]. **dimension** [Per20c]. **Diminishing** [TGLM21]. **dioxide** [Ano20-100]. **direct** [Gal21b]. **direct-air** [Gal21b]. **direction**

[RK22]. **disabilities** [Sac20]. **Disability** [Ano21-121]. **disappear** [Per21b]. **disappeared** [Fru20]. **disaster** [Cha20a]. **Disastrously** [Cho21]. **Discounts** [Ano21-117, Ano21-118, Ano21-119, Ano20-71, Ano21-120, Ano22-123]. **discovery** [Scu20b]. **discrimination** [Per20i]. **Dish** [Sch24a]. **disinfected** [Ano20-68]. **disinformation** [Str24b]. **Disks** [Ake23]. **Disney** [Gen23b]. **Disorders** [Dol23a]. **Disparate** [Der21e]. **Display** [Som21, ZL20b, Cas20e, Cas22f, Mie22]. **Displays** [Gan24, Pal22, Per21a]. **Disrupt** [FK21]. **disruptors** [Bro22d]. **disrupts** [Ham20a]. **Distance** [Jaf22]. **Distanced** [Ano21-142]. **distances** [Jaf22]. **Distant** [Sch23a]. **distillery** [Str23]. **distinguish** [LCBH20]. **distribute** [Gib21]. **Dive** [Cal22]. **divide** [Koz23b]. **divided** [Koz21b]. **Divya** [Der21g]. **DIY** [Bor24, Cas20d, Cas22a, Gol23e, Lew23, Pau22, Ros22b, Sch20b, Sch22d, Sla21, Tem20, Wat24]. **DNA** [Abb23, BF24, Car24]. **DNS** [Ras20a]. **Do** [PRR23, Pow24, SHP24, Cas23a, Gal20b, Wal20a]. **Do-or-Die** [PRR23]. **Docker** [Cas21c]. **Does** [Pre20]. **Doesn't** [Hus24]. **dog** [GA20]. **Dollar** [Per24]. **dominance** [Ulr20c]. **Done** [BSAH21, Per20h]. **Don't** [Gen24a, Smi21d, Smi21e, Smi21f, Smi21b, Smi21c, Smi21g, Smi21h, Smi21i, Smi21j, Smi21k, Smi22a, Smi22b, Smi22c, Smi22e, Smi22j, BS22, Smi22i]. **Doom** [Ano21-62]. **door** [Lew20]. **Doorstep** [RZ21]. **doses** [Gib21]. **dot** [Scu20a]. **Dots** [Pal22, PK20]. **Double** [CP21, Moo22b, Sch20c]. **double-backup** [Sch20c]. **Down** [Som21, Rae20, Fai23b]. **Downed** [Sch22b]. **Downs** [Moo21]. **Doyen** [Gol24b]. **drag** [Per20m]. **Dragon** [Cha21b]. **Dragonfly** [Cha21b]. **Dream** [Hoc22, Smi21f]. **Dressed** [CP21]. **drills** [Gal20a]. **drinking** [Smi20e]. **Drive** [Str22b, Ack21a, Ano20-69]. **driven** [Hig20b]. **driver** [Har22, Wea20]. **driverless** [Per20l]. **Drivers** [Cal24]. **Drives** [Ros23b]. **Driving** [Mar23k, WPBS23, And20g, LG20, Pan20, Smi23a]. **Drone** [Tei23, DM20, Pot20a, Ros22d]. **Drone-Based** [Tei23]. **Drones** [Ack23c, Bau24, Gen24d, Ros23b, DM20, Gen24g, Sch20a]. **Dropout** [Bow21]. **Dropped** [Cal24]. **Drops** [Per22c]. **Drove** [Moo23a]. **drug** [Scu20b]. **Dual** [Kas23]. **Dual-CPU** [Kas23]. **Dug** [Cal24]. **Dumpster** [Cal22]. **Duo** [SH22a]. **Duolingo** [BBS23]. **during** [Arm20, Cha20a, NS20]. **Duty** [Der23a]. **DVDs** [Nor20a]. **Dynamic** [SH22a]. **Dynamics** [Ack22b]. **E-Bike** [Sch21d]. **E-Paper** [HF22]. **Each** [Gol23g]. **Ear** [Lew23]. **Early** [PRR23, Koz20c]. **Earn** [Ano20-93]. **ears** [Hoc22]. **Earth** [AF23, Bar24, ROK24, BMRW20, Ano20-85, Ano24-102, Dum20, WB21, Zor22b]. **Earth-like** [WB21]. **Earthquake** [Mar23j]. **Earthquakes** [Mar23j, Sch23a]. **Easier** [Cas21c, Coo21, Gen24j]. **Easy** [Sch21d, Smi21n, Tho21a, Cas20d]. **Eat** [Smi22h]. **Eating** [Smi22h]. **Eavesdropping** [Dut22, Hoc22]. **Echo** [Has20b]. **economic** [Fun20]. **Economics** [Ros23b]. **Economy** [Sch23b]. **ED** [Wea20]. **edge** [Hig20d]. **Editorial** [Zor23b]. **Edwin** [Zor22c]. **EE** [Der23b]. **Effect** [Zor22c]. **effective** [Hsu20b]. **efficiency** [Sch21a]. **Efficient** [Cha21b, PSD22]. **eight** [Ack24]. **Eighth** [Cas21d]. **Eileen** [Der23b]. **Either** [Cas23b, Cha23]. **Election** [Str24b]. **Electric** [Ano22-56, MMP22, Mar21k, Mar22i, Smi21e, Smi21j, Ulr21, Ulr22, Wal21, And20c, Ano20r, Ano20-69, Cri20, Gol22f, JAR24, Ulr20b, Ulr20c]. **electric-vehicle** [Gol22f]. **electrical** [Ano20-86]. **Electricity** [AFH22, Ano20-45, Mar21i, Smi22a, Smi22j, Fai23b, Smi22g]. **Electrified** [GP22]. **Electrifying** [Der23a, Sch21d]. **Electrifyingly** [Sch21d]. **electrodes**

[Dut22, Wal24b]. **Electrolysis** [MD23]. **electrolytes** [And20c]. **Electromechanical** [Pau21, TB21]. **Electronic** [CP21, Mar24a]. **Electronically** [Sch24b]. **electronics** [AMK<sup>+</sup>20, Som21]. **Electrons** [Boy24]. **Electrostatic** [Mar23c]. **Eliminates** [BBFS22]. **Elon** [Smi21f]. **Else** [Lev21]. **elusive** [Cly22, Luc20a]. **embed** [Cas20d]. **embedded** [Ano20-90]. **Embeds** [Gen24l]. **Embracing** [Has20a]. **emerged** [Zor22a]. **Emergency** [Ano20-46, Ros22c]. **Emerges** [Moo23b]. **Emissions** [Smi22c, Gal21a, Gal21b]. **emotional** [CHM21]. **emotions** [HVW20]. **EMP** [Wal24a]. **EMP-Proof** [Wal24a]. **employer** [Ano20-95]. **Empower** [Ack23b]. **emulate** [BBS23]. **Emulated** [Reg23]. **Enable** [Gan24, NYI24]. **Enabled** [Pau22]. **Enabling** [Ong20]. **Encrypted** [Moo24c, Ras20a]. **Encryption** [Pau21, Koz20c, Moo24c]. **End** [Pes21a, Per20a, Smi22d]. **ended** [Ros20a]. **Ending** [Has20a]. **Energiewende** [Smi20d]. **Energy** [BSAH21, Gar20, GP22, KH24, Moo21, SC23, Smi22b, Smi22f, Cha24, Fai23c, Ham21, Jaf22, MMP22, Smi22k, Cly22]. **enforcer** [Zor23a]. **Engineer** [Der21g, Gen24a, Gen24d, Gen24c, Gen24i, Gen24k, Gol23h, Kim22, Ano20-47, CD21, Gen23a]. **Engineered** [And20b, Cas20h]. **Engineering** [Ash23, Der21d, HPK22, JPWB21, MJH<sup>+</sup>21, NS20, Per24, SAS<sup>+</sup>21, Ano20-86, Cas20b, CKG<sup>+</sup>21, CFPP22, Koz24b]. **Engineers** [FK21, Gol22d, Per22c, Gen23c, NS20]. **engines** [Gal21a]. **England** [Jon23d]. **Enhanced** [Gol21]. **Enhancing** [Ack22a]. **Enough** [MMP22, Cha24, Gal21b, Gib21]. **ensure** [Der22f]. **ensures** [Der21d]. **Entangled** [Ros22e]. **Enters** [WPBS23]. **enthralls** [Smi23b]. **entire** [Sha23]. **entrepreneur** [Ano21a, Goo23a]. **Entry** [Dum23]. **Environment** [Cha21a]. **Environmental** [Cab24]. **environments** [BMRW20]. **Envoy** [Mar22k]. **Equals** [Ake23]. **Equiano** [Koz21a]. **Equipment** [Hec20]. **equipped** [Sch20b]. **Era** [Cas22g, Shi22, Smi22a, Wal21, Bro22b, Sch22e]. **Erickson** [Gen24d]. **Erika** [Gen24e]. **Error** [BS22]. **Escape** [Bor24, ROK24]. **Essential** [Cor21a, Ano20-68]. **Eugene** [Der23c]. **Europa** [Cha21a]. **Europe** [Dum23, Fai24, Ros22c, Ros22d]. **EUV** [Boy24, Van23]. **EV** [And20c, Cha23, GEN24f, GH23, Gol23h, Smi23a]. **evangelizing** [Per23]. **Even** [Cas23c, Per20g, Sch23a, Szk21, BMRW20]. **Event** [Lau24, Ano20t, Bou20]. **Ever** [NYI24, Dut22, Pri21]. **Every** [Har22, Smi22d]. **Everything** [Gol22c, Hig20b, Hig20d, Hig20e, Hig20f, Hig20h, Hig20i, HP21a, HP21b, HP21e, HP21f, HP21c, HP21d]. **Everywhere** [Gol23a, Per21c]. **Evolution** [Cha21b, Cas22e, Fun20]. **Evolve** [Wal22]. **Evolved** [Smi22h]. **EVs** [Cha24, Der22e, Dum22, Gol22f, MMP22, ROK24, Uhr20a]. **eVTOL** [AZPC22, Zor23a, Zor23c]. **eVTOLs** [ACDG21, NG23]. **Exascale** [Dum23, And20i, Sch22e]. **exceed** [Fai23b]. **Exceptional** [Pau21]. **Excess** [SB22a]. **Exclusive** [Ano20-71]. **exoplanet** [WB21]. **exoskeleton** [Ack20]. **Exotic** [ROK24]. **Expect** [Fun20]. **expectations** [And20g, Per20d]. **Experience** [Der22d, Gol21]. **experiences** [Der20]. **Experimental** [ROK24]. **experiments** [Cas20g, Ham20a]. **Expert** [Der23d, Mar23k]. **Experts** [Gal21b]. **Exploding** [Jag22]. **Explorers** [Der22g]. **Explores** [HPK22]. **expressions** [HVW20]. **extension** [Red20]. **Extra** [FBMI23]. **Extreme** [Gol24g, Smi22e]. **Extremely** [ACDG21]. **Eye** [Ano24-101, Zor22e, Sch20d]. **Eyeballs** [Gen23e]. **Eyewear** [Ano21-114]. **EZ** [Mie22].

**Fab** [Ano22-108]. **Fabs** [Pat23a]. **Facebook** [HS23, Str20a]. **faced** [BMRW20]. **Facial** [Abb23, HVW20]. **Factor** [Gen23d]. **facts** [Ano20u]. **faculty** [Ano20-86]. **fades** [Pes21a]. **Fail** [Cho21, Cha20b, Raf20b]. **failed** [HS23, Pat24b]. **Fair** [McC20]. **Fake** [Fra21]. **fallback** [Raf20b]. **False** [Eis23]. **famous** [Bou20]. **Fans** [Gal21b]. **fantasy** [Ano20-51]. **Far** [Fai23a, Ano20-49, PSD22]. **Farewell** [Zor23b]. **Farmers** [Gen24d]. **Farms** [Pat24a, Usk21]. **fascinating** [Gol22d]. **Fast** [Cha21b, WPBS23, YS20, Ano20-49, Ano20-79, Smi22j]. **Faster** [Tow21, Ano21-91, CHM21, Gal20a, Per20e, Ros21]. **faster-than-sound** [Ros21]. **father** [Per20c]. **Feasibility** [Gol24a]. **Features** [Gol23g]. **Feedback** [Gan24]. **Feel** [Ack22a]. **Feels** [CHM21]. **Fell** [Ros22a]. **Ferrite** [Cas22g]. **Ferrite-Core** [Cas22g]. **fetch** [GA20]. **few** [LCBH20, ZL20b]. **fewer** [Sca22]. **Fi** [Gol24h, Koz24d, Lew23, Cas22a, Gol24a, Hig20j, Zel20]. **fibers** [Hec20]. **Fiction** [Der21g, Jon22a, Zim21]. **fieldwork** [Ham20a]. **fight** [Ras20a]. **Fighter** [Ros23a]. **fighting** [Der23c]. **Figure** [Jon22a]. **Figured** [Pau21]. **figures** [Mar20j]. **File** [PSD22]. **film** [Zel20]. **filter** [Ros20b]. **Final** [Ano20-48]. **finalist** [Ano20-100]. **Finally** [Cha24, Gob23, Zor23c, Gol23d, Zor20, Zor22d]. **Find** [MD23, Pow24, Pri21]. **Finding** [Abb23, Zor20]. **Finds** [Gen23d]. **FinFets** [Per20c]. **Finish** [Gen24c]. **Fires** [Fit21]. **First** [Gen24b, Koz21b, Mar22l, Per24, Ros22a, Ste21, SG22, Zor22a, Zor24, And20b, And20e, Fru20, Jon24a, Mar20c, Mar20d, Pot20a, Sch22e, Zor23c]. **first-person** [And20e]. **Firsthand** [Mar23k]. **Fishing** [Her20]. **Fission** [Jon23d, And20d]. **Fit** [Smi22l]. **Fitbit** [Per24]. **Fitness** [Per24]. **fits** [Mar20f]. **five** [Per23, Scu20b]. **Fix** [Smi21n, Str24a]. **Fixed** [Smi22l]. **Flares** [Sch22a]. **Fleet** [Der22e, Raf20b]. **flesh** [SMD20]. **Flexible** [Der21e]. **flier** [DM20]. **fliers** [Zor23c]. **flies** [Rae20]. **Flight** [Jon23j, Smi21e, Smi23b, Ano20-89, CD21, Fou22, Ros21]. **Flights** [Smi21e, Koz23d]. **Flipper** [Cas23b]. **floor** [Sch22c]. **Floppy** [Ake23]. **flourished** [Hoc22]. **Flow** [Cha24]. **flu** [SB22a]. **fluctuations** [Koz20c]. **furry** [Pes21a]. **Flux** [GP22]. **Fly** [Cha21b, JAR24, Pot20a]. **flyer** [Pot20b]. **Flying** [Ano20-49, Ros20a, Ros22d, Zor23a]. **focus** [And20g]. **focuses** [Gol22d]. **fold** [ZL20b]. **followed** [Smi22j]. **Following** [GOL24c]. **Food** [Smi22f]. **Foosball** [Coh22]. **Footprint** [Smi22b]. **foreshadows** [Fai24]. **foresight** [SZ20]. **Forest** [Fit21, PN20]. **forestry** [Ano20f]. **Forgetful** [Cho21]. **Forgotten** [Mul24, Shi22, Smi22g]. **fork** [Per22a]. **form** [And20e]. **Former** [Ros23a, Gen23c]. **Formerly** [Pal22]. **Forming** [KH24]. **Formula** [Ano20-51]. **Forward** [Ano23-134, Bro23b, Cor21b, Goo23b, Mar20a, Mar20b, Mar20c, Mar20f, Mar20g, Mar20i, Mar21d, Mar21e, Mar21f, Mar21h, Mar21k, Mar21i, Mar21j, Mar21c, Mar21g, Mar22i, Mar22j, Mar22l, Mar22k, Mar22a, Mar22b, Mar22c, Mar22d, Mar22e, Mar22f, Mar22g, Mar22h, Mar23b, Mar23d, Mar23e, Mar23f, Mar23g, Mar23h, Mar23i, Mar24b, Mar24d, Mar24e, Mar24c, Mar24f, Mar24g, Bre20]. **Forword** [Mar24h]. **Fostered** [Gol24f]. **Fought** [Cal24]. **Found** [SH22b]. **Foundation** [Ano20-70, Ano21-31]. **foundry** [Rak24a]. **FPGA** [Cas20f]. **Fractional** [AMK<sup>+</sup>20]. **Fraden** [Koz24b]. **Frankel** [Koz24a]. **Free** [Tho21a, Per20f]. **freight** [DM20]. **frequency** [Bra21]. **Fried** [Cas23a]. **friendly** [Fru20, Pat22]. **Front** [Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano21-92, Ano21-93, Ano21-96, Ano21-103, Ano22-49, Ano22-48, Ano22-51, Ano22-112, Ano22-113, Ano22-114, Ano22-115, Ano22-116, Ano22-117, Ano22-118, Ano22-119, Ano22-120, Ano23-112, Ano23-113, Ano23-114, Ano23-115, Ano23-116,

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**Generators** [Mar23c]. **Geostationary** [Koz20a]. **geothermal** [Gal20a]. **Germany** [Dum23]. **Germicidal** [And20h]. **gestures** [Wea20]. **Get** [HS23, BS22, Fai23c, Gol23a, Gol23d, Hut20, Per20f, RK22]. **Gets** [Dol23a, Rab22, Ulr22, Hig20i, Per20h]. **Getting** [Ash23, LDO22]. **Ghost** [Koz20c, Cas23a]. **Giant** [Zor22b, Fru20, Gal20b, HS23]. **giants** [Smi23a]. **GIFs** [Per21b]. **Gig** [Gen24h, Cal24]. **Gill** [Ack22a]. **Give** [Bro23c, FBMI23, KH24, Red20, RHBM22, WAC+20]. **Gives** [Coo21]. **Gizmo** [SP21a, SP21b, SP21c, SB22b, SB22c, Smi22l]. **Glass** [Smi22b, Nor20a, HVW20]. **Glasses** [Per21a]. **Gliders** [Jon23e]. **Glitch** [Ros22b]. **Global** [Ano21-115, Fai23a, Fai24, Raf20b, RG20]. **Globalism** [Bro22b]. **Gloom** [Ano21-62]. **Glucose** [KK21]. **GM** [Ulr20b]. **Go** [CAS24a, Wal21, Zel20, LG20, Ulr20a]. **goal** [Cly22, Koz21b, Kum21]. **Godfather** [Kim22]. **Goes** [Ack21b, MD23, Smi21k]. **GoFly** [Pot20b]. **Going** [Koz23c, Ros20a, Wal24b, Kum21]. **Gone** [Jon23k, BMRW20]. **Gooaall** [Coh22]. **Good** [Ano20-66, Mar23j]. **goodbye** [Hig20j]. **Google** [HVW20, Has20b, Koz21a]. **government** [Cha20a, Raf20b]. **GPS** [Har21, Raf20b]. **GPU** [LW24]. **Gracey** [Gen23c]. **Grade** [Pat23b]. **Grain** [Smi22f, Usk21]. **graphics** [Cas20e]. **Grapples** [Gol23h, Fai20b]. **Grappling** [Sch21e]. **Gravity** [Moo21]. **Great** [Ano21-113, KP24, Koz23c, Per21c, Smi21l, BBS23, Smi20a]. **greatest** [Cro20]. **Greedy** [Cha23]. **Green** [Fai23b, Str23, Pat22]. **greener** [Hus24]. **greenhouse** [Gal21b]. **Greening** [Gol24d]. **Greta** [GEN24f]. **Grid** [AFH22, Dum22, Eis23, Fai21, Gol22f, KH24, Poo24, Fai23c, Fai24, Lee20, Moo21, Pat20]. **Grid-Forming** [KH24]. **grids** [Ano20-66]. **Grit** [Abb23]. **Groceries** [RZ21]. **Groove** [LDO22]. **Gropper** [Ano21a]. **Gross**

[Der20]. **Grosser** [Der22a].  
**Groundbreaking** [HPK22]. **Grounding**  
 [Jon23g]. **Group** [Ano21-121]. **grow**  
 [Fai20a]. **grown** [Gui20]. **Growth** [Bro22c,  
 Pat24a, Smi21j, Smi21k, Ano20-44, Per20j].  
**guard** [Arm20]. **guardian** [Per20k]. **Guide**  
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 [Ano20-81].

**H** [Der23c]. **Hack**  
 [Zel20, AF23, Lew20, RG20]. **hack-proof**  
 [Lew20]. **Hackable** [Cas24d]. **Hacker**  
 [Cas23b]. **hacks** [Hoc22]. **Hall** [Zor22c].  
**Ham** [Cas24d]. **HamMessenger** [Tho21a].  
**Hand** [Coo21, You22]. **Handful** [PRR23].  
**Handheld** [Cas24d, Wal21]. **Handie**  
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 [Moo20a]. **Hands**  
 [Cas20d, Cas20e, Cas20g, Cas20f, Cas20h,  
 Cas21a, Cas21b, Cas22g, Cas24b, Ehn23,  
 Gob23, Gol23e, Laz21, Lew20, Mar24i,  
 Pom21, Sar20, Sch20b, Sch20c, Sch20d,  
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**Hands-On** [Gol23e]. **Happen** [Har21].  
**Happens** [SH22b]. **happier** [AS22]. **hard**  
 [Hut21, Sca22, VH20]. **Harder** [Cha23].  
**Hardest** [Chi21]. **Hardware**  
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 LA22, Per22b]. **Hardy** [Ros22e]. **harming**  
 [And20h]. **harnesses** [Koz20c]. **Harsh**  
 [Rab22]. **Harvard** [Der23d]. **Harvest**  
 [Jon22e]. **Harvesting** [Usk21]. **hasten**  
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**head** [Per21a]. **head-up** [Per21a].  
**headphones** [Hsu20c]. **healing** [Ano20-67].  
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 [Bra21, Koz20b, Tho21b]. **Hearing**  
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**Heating** [Ano23-137]. **Heavens**  
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**Heavy-Duty** [Der23a]. **Heights**  
 [Jon23b, RK22, Gol24f]. **Helena** [Koz21a].  
**helicopter** [Pot20a]. **Hell** [Cha21a].  
**Hellish** [MZR21]. **Hello** [AG20]. **Help**  
 [Ack22a, Bau24, CPBZ21, Gol22a, Jon22b,  
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 [Bro23c, Kim22, Ros22a, Fai23c, Per22a].  
**helpful** [CHM21]. **Helping** [Koz20b]. **Helps**  
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**here-and-now** [YS20]. **Hi**  
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 [GH23, TB21, Mar20j]. **hide** [LA22]. **High**  
 [Ano21-114, Coo22, Fai24, Gan24, Van23,  
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**High-Numerical-Aperture** [Van23].  
**High-Quality** [Gan24, Has20b].  
**High-Resolution** [Coo22]. **High-Tech**  
 [Ano21-114, You22, Has20a, YS20].  
**high-temperature** [Cly23]. **High-Voltage**  
 [Fai24]. **Highway** [Mar23k]. **hiring**  
 [Hsu20a]. **Historic** [Gol24e]. **History**  
 [Eis23, Jon23a, Mar21e, Mar23b, Mul24,  
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 [Gen24b, Nor20b]. **Hoard** [Har22]. **Hoards**  
 [GH23]. **hockey** [Zor23a]. **Hold** [Pow24].  
**hole** [Bou20]. **Home**  
 [Ack23d, Ano23-137, Bor24, Cas21c, Cas23d,  
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**home-automation** [Has20b]. **Home-Brew**  
 [Szk21]. **Home-Brewed** [Ack23d, Cas23d].  
**Homemade** [Sch22b]. **homes**  
 [Ano20-96, Ano20-97]. **homomorphic**  
 [Moo24c]. **Hopes** [Per20d, Rak24a].  
**Horizon** [Zim21, Bou20]. **Horse** [Moo23b].  
**hospital** [Ano20-68]. **Host** [Dum23, Lau24].  
**Hot** [Cas21d, Szk21, Per20j]. **hour** [Ack22b].  
**Hsiang** [Der22c]. **Hu** [Per20c]. **Huge**

[Coo21, GOL24c, Moo20e]. **Human** [Ack23a, Ack23c, Bro21, Smi22h, BBS23]. **Humanity** [Ack23b, Gib21]. **Humanoid** [Ack24]. **Humans** [Ack21b, Gol22b, Gol23g, And20h, Gol22a]. **Hummer** [Smi22e]. **Humming** [Gen24i]. **Hundreds** [Usk21, Dum20]. **Hunt** [Pow24, Sch22b]. **Hunts** [GH23]. **Hurdles** [Pat20]. **Hybrid** [Gen24c, JAR24, Moo24d]. **hybrid-electric** [JAR24]. **Hybrids** [MCG24]. **Hydrogen** [Fai23b, MD23, Zor24, Str23]. **Hydropower** [Smi22g]. **hype** [Fun20, Hig20i]. **Hyper** [Smi21f]. **Hyperloop** [Smi21f]. **Hypersonic** [Ros20a].

**IBM** [MCG24]. **IBM's** [Cho23]. **Ice** [Rab22, Tei23, Gen24h]. **Iconic** [Mar23c]. **Icy** [Cha21a]. **ID** [Gen23e]. **Idea** [Per24]. **ideal** [Zor20]. **ideas** [Cly20]. **Identifies** [Koz23a]. **identities** [RS23]. **identity** [Per20b]. **IEEE** [Ano20-70, Ano20-71, Ano21-31, Ano21-115, Ano21-117, Ano21-118, Ano21-120, Ano21-119, Ano21-121, Ano21-116, Ano22-122, Ano22-123, Per22c, Ano21-57, Ano21-58, Ano21-59, Ano22-59, Gol21, HPK22, Zor23b]. **If** [BS22, Mar20f, Sch24c, Sha23, Pou22, Raf20b]. **II** [Hoc22]. **image** [Bou20, PK20]. **Images** [Koz23a, Sch23c, Sch24b]. **Imagination** [Gol24a]. **Imagine** [Bro23c, CD21]. **Imaging** [Jag22]. **IMEC** [HH24]. **immersive** [WAC<sup>+</sup>20]. **Immortality** [Mar23c]. **Impacts** [Cab24]. **Implant** [Wal24b, Dut22]. **Implants** [Bou21, SH22b]. **important** [Ano22-130]. **impossible** [VH20]. **Impossibly** [Smi22c]. **Impractical** [You22]. **impressive** [Smi22i]. **improve** [Cho20, Gol22b]. **Improvement** [TGLM21]. **improving** [Per23]. **included** [Hig20f]. **Income** [Ano21-121, Per22c]. **increases** [Per20i]. **increasingly** [Lau23b, SB22a]. **Indeed** [Smi21d]. **Indefinitely** [Pes21b]. **Independence** [Ack22a]. **Indeterminate** [Ano20-44]. **India** [Fai20b, JJS22, Jon23f]. **Indoor** [Smi21n]. **induction** [Sch20b]. **Industrial** [Gen23a]. **Industry** [GEN24f, Jag22, Kim22, Moo24a, Pat24a, WC23, And20g, Koz21b]. **inertial** [Ano21-134, Per21a]. **Inexpensive** [Rab22]. **Inflation** [Per22c]. **Inflation-Adjusted** [Per22c]. **information** [Der20]. **Infrastructure** [Fit21, Gen24i, Gol22c]. **Ingenious** [Mul24, ROK24]. **ingenuity** [Luc20b]. **inhaler** [And20b]. **Ink** [HF22]. **Inkjets** [BF24]. **Innovate** [Ano20-72, Ano20-73, Ano21-122]. **Innovation** [Gen24h, Moo20c]. **Innovator** [Bro22d]. **input** [Cas20f]. **input/output** [Cas20f]. **insde** [Ano22-48]. **Insight** [Zor22c]. **Insights** [Per22c]. **Inspired** [Sto23, Gen24g]. **Instacart** [RZ21]. **Instant** [Sch21d]. **Institute** [Gol22d, Raf20a]. **Instrument** [Ake23]. **Instruments** [CP21, Ano22-51]. **Insulin** [KK21]. **Insurance** [Ano21-121]. **Integrated** [Pau22]. **Intel** [Rak24a]. **Intelligence** [Bro21, Gol23a, CHM21, Fun20, Hut21]. **intelligent** [Ano20-90, Pou22, Pri21]. **intended** [Der21d]. **Intentional** [Jon23g]. **Interactive** [Ros22a]. **Interconnector** [KP24]. **Interconnects** [CPBZ21]. **interface** [Per20o]. **interference** [Bra21]. **Internet** [AFH22, Der22b, Hig20b, Hig20d, Hig20e, Hig20f, Hig20h, Hig20i, HP21a, HP21b, HP21e, HP21f, HP21c, HP21d, Mit20, PRR23, Per23, PSD22, Sha23, Shi22, Tow21]. **interoperable** [Koz21b]. **InterPlanetary** [PSD22]. **interrupted** [Ham20a]. **Invented** [Ano20-78, Cro20]. **invention** [Ano22-130]. **inventions** [Gol24d]. **inventors** [Moo20c]. **Inverters** [KH24]. **invisible** [Gol22c]. **ion** [Kum21, Mur23]. **IoT** [Ano20-79, Hig20c, Pes20b]. **Irene** [Gen24k]. **Irresistible** [VA23]. **Island** [Koz21a, Koz24c]. **isn't** [Cha23, Koz23c]. **Italian** [WA24]. **items** [CKG<sup>+</sup>21]. **Itself**

[Bra21, Smi21i]. **Iverson** [Der21e].

**Jacob** [Per21b]. **Jam** [Har21]. **James** [Mar23c, Sch21b]. **Janelle** [Ano23a]. **Japan** [Fru20, McC20]. **Java** [Ano20-95]. **Jenkins** [Fai23c]. **Jersey** [Sha23]. **Jesse** [Fai23c]. **Jetson** [Cas20d]. **Jim** [Gen23a]. **Job** [Ack22b, Gen24a, Per20f]. **Jobs** [Der21e, Ack24, Koz20a, Per20j, Per20m]. **John** [Der23a, Per20n]. **Jolt** [Dol23a]. **Jonathan** [Der23d]. **Journal** [And20f, Ano20-91, Ham20d, Ham20b, Hsu20c, Wal20b]. **Journalists** [Gol24b]. **Journey** [Der23b, GEN24f]. **Joy** [Str24a]. **JPL** [BD22, Cha21a]. **Juan** [Bro22b]. **Jugular** [Wal24b]. **Juice** [Jon23h]. **Julie** [Der22g]. **Julien** [Moo24b]. **Jump** [Ros22a]. **Jump-Start** [Ros22a]. **JUPITER** [Dum23]. **Just** [BF24, Koz23c, Pat23b, MS22].

**K5** [Cas24d]. **Kahn** [Gol24e]. **Keep** [Ano21-123, Pes21b, BMRW20]. **Keeps** [Gen24e, Gen24i, Gen24k, AG20, Ulr20a]. **Kelp** [Pat24a]. **Kenya** [Der22e]. **Kepler** [Mit20]. **key** [YS20]. **Keyboards** [Mul24]. **Ki** [Kim22]. **kicked** [Per23]. **Kicking** [Gol23c]. **kid** [PK20]. **kids** [HVW20]. **Killer** [Fai21]. **kilometer** [Jaf22]. **Kilometers** [Smi21e, Cly23]. **Kim** [Kim22]. **kind** [RHBM22]. **kinds** [AMK<sup>+</sup>20]. **Kirchhoff** [BSAH21]. **kit** [Cas20f]. **kits** [Per20e]. **Know** [Cas24e, Cas20g, Per23]. **Knowledge** [Mar23k]. **Known** [Mar23c]. **Korea** [Kim22]. **KrakenSDR** [Cas22b]. **Kubernetes** [Cas21c]. **Kyle** [Zor23a].

**L** [Der23d]. **lab** [Ham20a, Hec20, Tem20, Moo23b]. **Lags** [Smi22a]. **laminography** [LA22]. **lamps** [And20h]. **Land** [Bau24, DM20, Ulr22]. **landing** [Fou21]. **Lane** [WPBS23]. **Language** [Cas22c, BBS23]. **language-learning** [BBS23]. **Languages** [Cas21d, CG23, Cas20i]. **Lapse** [Sch23c].

**Laptop** [Smi22i, Mar20c]. **large** [Per20f, VH20]. **Larry** [Per20o]. **Laser** [BVKR23, Gen24i, Mar22i, NYI24, Moo23b]. **laser-based** [Moo23b]. **Lasers** [BVKR23, BBFS22, NYI24, Ros23b, Cho20, Koz23b]. **last** [Som21]. **Lasted** [Shi22]. **lasting** [Ano20i]. **Later** [SB22a, Smi20d, Smi23b]. **Latest** [JPWB21, MJH<sup>+</sup>21, SAS<sup>+</sup>21, Cas20i, CKG<sup>+</sup>21]. **Lattice** [BBFS22]. **Launch** [Fou22, GO22, Pot20a, Sto20]. **launched** [Bro22b]. **Law** [BSAH21, Der23d, Smi22i, Boy24, BSAH21, CPBZ21, Moo24d, Moo24b, Per20c, RK22, Van23]. **Law-for** [Smi22i]. **layer** [Gol22f]. **lead** [AMK<sup>+</sup>20]. **Leader** [Der21f]. **leads** [Der22h, Dum22]. **league** [Ano20-51]. **leaks** [MJS20]. **lean** [Hub24]. **leaner** [Hus24]. **Leap** [Cho23, Zor22b]. **Leapfrog** [Rak24a]. **Learn** [BBS23, Cas21c, Kas23, Per24, CHM21, Sca22]. **Learned** [ALRW21, Goo23a]. **Learning** [Ack21b, Ano21-125, Ano21-126, GH23, Ham21, MSS21, RZ21, Sch21a, Str22a, TGLM21, Ano21-113, BBS23, Cas20d, DHOW20, Hig20d, LDO22, Moo20e, Per20n]. **Learns** [BBS23]. **lease** [Red20]. **Leaves** [Bea22]. **led** [Hut20, Per22a]. **legacy** [Ano20g]. **legal** [Hoc22]. **Legged** [Ack24]. **Lego** [Tem20]. **Leland** [Jon23a]. **Length** [Smi21d]. **Length-to-Beam** [Smi21d]. **Less** [Sch22a, Per20b, Sch22d, Smi22e]. **Lessons** [CG23, Cha21b, Gen22, Mar22j, Goo23a]. **Let** [Cas20b, Der21e, Sch21b, WAC<sup>+</sup>20]. **Lets** [Der22d]. **Letters** [Tho21b]. **Letting** [RHBM22]. **Level** [Gol22b, Kas23, And20g]. **Leveraging** [AS22]. **LGBTQ** [Gen23c]. **Lidar** [WPBS23, Per21a]. **Lie** [Smi21d, Smi21e, Smi21f, Smi21c, Smi21g, Smi21h, Smi21i, Smi21j, Smi21k, Smi22a, Smi22b, Smi22c, Smi22e, Smi22j, Smi22i, Smi21b]. **Life** [Ano20-81, Bow21, Cas20c, Gen22, Cas20a, Der20, Fru20, Gen23b, Har22, Pri21, Red20, Smi22d, Cas20b]. **Lifesaving** [Per22a]. **Lift** [Fou22]. **Light** [Ano20-82, Gen23a, Mar21j, Mos22, SC23,

Sch21a, Ano20-67, Ano21-50, AF23, Ham21, Koz20c, Mar20i, Raf20a]. **lightens** [Ham20d]. **Lightest** [Jon22c]. **lighting** [Has20b]. **Lightmatter** [Sch21a]. **like** [Moo22c, WB21, ZL20b]. **Limbs** [FBMI23]. **Limited** [And20d]. **Limits** [Smi21d, Ano21-113, Ano21-123]. **Limor** [Cas23a]. **Line** [Gen24c, Poo24, Ulr20b]. **Linear** [Svr23, Gar20]. **Lines** [Cha20a, Has20a, Has20b, Luc20a, Per20b, Per20l, Per20n, Per20e, Per20o, Per20o, Pre20]. **link** [Dum20]. **liquid** [Smi22k]. **Listen** [Pri21]. **lists** [Ano20-95]. **lite** [LG20]. **Literally** [Ros22a]. **Lithium** [Cha24, Kum21, Mur23, Kum20]. **Lithium-ion** [Kum21, Mur23]. **lithium-metal** [Kum20]. **Lithography** [Boy24, Van23]. **Little** [Coo21, Mar23c, Mar22j]. **Liu** [Wal24a]. **Live** [Mar23c]. **lively** [Ano20-82]. **lives** [Ong20]. **Living** [De 22]. **load** [DM20, Ham20d]. **Location** [Ano20-83]. **logjams** [DM20]. **Long** [Bro22a, Mur23, Smi21d, Smi21m, And20d, Hig20j, Ros22d]. **long-range** [Ros22d]. **long-term** [And20d]. **Look** [Ano20-84, PK20, Per21a, Sch20d, Str24b, VA23]. **Looking** [Ano21-124, Gol23d]. **Looks** [Tei23, Ano21-27, Ano22-55]. **Loop** [Ack23a, Bro21, Sch20b]. **loopholes** [Hoc22]. **LoRa** [Cas24c]. **LoRa-based** [Cas24c]. **lose** [Per20i]. **Lot** [Coo21, Per24, Cas20d, Cas20f]. **Love** [Cas23b, Cas22a]. **loving** [Der22b]. **Low** [Bow21]. **Low-Dropout** [Bow21]. **Lower** [Lew23]. **LTA** [Koz23d]. **Lu** [Der22c]. **Luke** [Str23]. **lunar** [LSM23]. **Lurk** [Cas23c]. **luxury** [GA20, Has20b].

**Mach** [Ros20a, Sch21e]. **Machine** [Ano21-125, Ano21-126, Bro23a, Bro22c, Bro22b, Bro22d, DHOW20, GH23, Hig20d, Mar24f, Pau21, RZ21, SB22b, SB22c, Str22a, Van23, Cas20d, Cas23a, HPK22]. **Machine-Learning** [Str22a, Cas20d].

**Machines** [Gen24e, AG20, Smi20c]. **Macro** [HP21a, HP21b, HP21e, HP21f, HP21c, HP21d, Pes20a, Pes20b, Pes20c, Pes22, SP21a, SP21b, SP21c]. **Made** [Cas21c, Cha21a, Gol24e, Gol24f, Arm20, Hsu20a, Per20i, Wea20]. **Madni** [Per22a]. **Magaly** [Der22d]. **Magazine** [Ano21-127]. **Magdalene** [Der22e]. **Magic** [Gen23a]. **Magnetic** [Shi22]. **Magnetometer** [Sch22d]. **Magnets** [BBFS22]. **Mail** [Mar21h]. **Mainspring** [Svr23]. **Major** [Der21f, Pau21, Cly20]. **Make** [BVKR23, Bro23a, Der22d, Gol22a, Gol23g, Kim22, LH24, Lew20, Pat23b, Pat24a, RZ21, AS22, Ano20-66, Baj22, Fai23b, Has20a, Hus24, Jes21, Koz21b, Moo24c, Pat20, Pat24b, Per20b, PSD22]. **Makeover** [Ulr22]. **Maker** [Jon24b]. **Makers** [Cas24c, Hsu20a]. **Makes** [Coo21, Gen23d, Tho21a, Cas20d, Gen24j, Hut21]. **Making** [Bro22a, Fai23b, Gol24e, HVW20, Hig20e, Gol23d, Hut21, Per21b]. **male** [Per20b]. **Maluta** [Der22e]. **malware** [Ham20c, Sha23]. **Man** [Koz24a, Mar23c, Abb23, Reg23]. **Managing** [Cha20a]. **Manan** [Gen24g]. **manifests** [Str24b]. **manufacture** [Gib21]. **Manufacturers** [ACDG21, Pes21b]. **Many** [BVKR23, And20h, Hut20]. **Map** [Tow21]. **Mapped** [Wal22]. **Maps** [Wal22]. **Marcellus** [Der21f]. **Maria** [Der22f]. **marine** [Der22h]. **Mark** [Cho23]. **Market** [Ash23, Gen24b, Has20b]. **Mars** [Cas20c, Pot20a]. **masks** [Pre20]. **Mass** [Smi23a, Has20b]. **mass-market** [Has20b]. **Mass-Produce** [Smi23a]. **Masses** [Gen23e, Per22b]. **Massive** [BBFS22]. **Masterpiece** [Jon22d]. **Masthead** [Ano22-124, Ano22-125, Ano22-126, Ano22-127, Ano22-128, Ano23-123, Ano23-124, Ano23-125, Ano23-126, Ano23-127, Ano23-128, Ano23-129, Ano23-130, Ano23-131, Ano23-132, Ano24-91, Ano24-92, Ano24-93, Ano24-94, Ano24-95,

Ano24-96, Ano24-97, Ano24-98, Ano24-99]. **Match** [Gol24f, Smi22k]. **Materials** [ROK24, WA24]. **Math** [Cho21]. **MATLAB** [Ano21-128, Ano22-50]. **Matrix** [SZ23]. **May** [Pat23b, Pot20b, Pow24, Smi23c, Ano21-113, Cha24, Dol23b, Ros21, Sch22e, ZL20b]. **Mayflower** [And20a]. **McDonald** [Ano20-87]. **Me** [Ano22-122, Bro23c, Sha23, Ano21-116]. **mean** [AMK<sup>+</sup>20, Der20]. **Means** [Ack22c]. **Meanwhile** [Ano20-85]. **Measure** [Mar23j, Smi21n]. **Measures** [Gol24g, Pre20]. **Measuring** [Smi21e]. **Meat** [Smi22h]. **Meat-Eating** [Smi22h]. **Mechanical** [Ano24-100, Mar24e, Mie22]. **Media** [Str24b, Nor20a]. **Medical** [Bea22, Ano20-68]. **medicine** [CFPP22]. **Megatalent** [Ano24-100]. **Megatruck** [Jon22c]. **Melanie** [Der22h]. **Melt** [NYI24]. **melts** [Gal20a]. **Member** [Ano21-117, Ano21-118, Ano21-119, Ano21-121, Gol21, Ano20-71, Ano20-93, Ano21-120, Ano22-123]. **membership** [Ano20-71]. **memories** [Ano20-88]. **Memory** [BSAH21, Cas22g, Moo22b]. **MEMS** [Zor20]. **MEMS-based** [Zor20]. **Mental** [SHP24]. **Menus** [Bro23a]. **Merchant** [Pat24b]. **Merely** [Smi21f]. **Merryl** [Der20]. **Mesh** [Cas24c]. **Meshtastic** [Cas24c]. **Mesmerizing** [Sch23c]. **mess** [Hut20]. **Messages** [Ham20b]. **Messy** [She24]. **Meta** [Gen22, Gen24i]. **Metal** [Cha21a, GO22, Cas20h, Kum20, Sch22c]. **metal-rich** [Sch22c]. **Metalenses** [Gob23]. **Metallic** [GO22]. **Metals** [GH23]. **Metamaterials** [Pou22]. **methane** [MJS20]. **metric** [Smi22i]. **Micro** [HP21a, HP21b, HP21e, HP21f, HP21c, HP21d, Pes20a, Pes20b, Pes20c, Pes22, SP21a, SP21b, SP21c]. **Microcomputer** [Ack23d, Cas23d]. **Microcontroller** [Ros22b]. **microcredit** [Fai21]. **Microgrids** [FOSMD23]. **Microgried** [FOSMD23]. **MicroLED** [Ham20b]. **microLEDs** [Moo23b]. **Micromanufacturer** [Cas22d]. **Microphone** [Sch24a]. **Microsatellites** [MJS20]. **microscope** [Tem20]. **microscopy** [WAC<sup>+</sup>20]. **Microstory** [Gol24h]. **midst** [Der22b]. **might** [AMK<sup>+</sup>20, And20h, Ham21, HS23, WB21]. **mighty** [MS22, Smi22g]. **Migrating** [Sch24a]. **Mile** [Koz21b]. **Military** [Har21]. **Millimeter** [Gal20a]. **million** [Hec20, Pot20b]. **millions** [Smi23b]. **millisecond** [Pan20]. **Mind** [Kim22]. **Minerals** [GH23]. **Mines** [Bau24]. **minikit** [Cas20g]. **Minimalist** [Str22a]. **Mining** [Sch22c, Zor22d]. **Miracle** [Smi23b]. **Missile** [Cha21b]. **Missiles** [Ros23b]. **Mission** [GO22, Red20, Jon24a]. **Missions** [BD22, BMRW20]. **Missy** [Mar23k, Ros23a]. **mist** [And20b]. **mix** [Zor22a]. **Mobile** [Ham20c]. **modded** [Cas24d]. **Model** [Cas22f, Jon24b, Ras20b]. **modeler** [Fai23c]. **modeling** [Pre20]. **models** [Hut20]. **Modern** [Bro23a, Cor21b, Ano22-130, Lee20, Smi22i]. **modular** [Pat24b]. **Molly** [Koz23c]. **Moment** [Gol23b, HF22]. **Moments** [PRR23]. **Momentum** [Kum21]. **Money** [Bow21]. **monopoly** [Koz21a]. **months** [Scu20b]. **Moon** [Jon24a, BD22, Fou21, LSM23, Zor22b]. **Moore** [Boy24, CPBZ21, Gol24g, Moo24d, Moo24b, Per20c, RK22, Smi22i, Van23]. **Morgan** [Gen23b]. **Mortalities** [SB22a, Ano20-88]. **Most** [Ack23b, ALRW21, Cas24d, Lev21, Ano22-130, Smi22i]. **motion** [Rae20]. **Motor** [Der21h, GP22, Mar21k]. **Motorized** [Ham20d]. **Motors** [ROK24]. **mouse** [Cas24d]. **Mouse's** [Ano24-101]. **Mouse's-Eye** [Ano24-101]. **Move** [Moo23a, Str24a, Ack22b]. **Movement** [Bou21, Smi22i]. **Movie** [Smi21i]. **Moving** [Gob23, Gen24j]. **MPGs** [Sch23b]. **Mr.** [Per23]. **Much** [BF24, WB21]. **Muddy**

[Sch22c]. **Muffling** [Lew23]. **Multiphysics** [Ano21-63, Ano20t]. **Municipal** [Jon24b]. **murky** [Fou22]. **Musk** [Smi21f]. **must** [LSM23]. **mutates** [Ham20c]. **mute** [Ros20b]. **My** [Bro23c, Coo22, Lev20]. **Mysteries** [Jon23i]. **mysteriously** [Fru20]. **mystery** [MJS20]. **Myth** [Bro22c, Bro22b, Bro22d, SB22b, SB22c].

**Naffziger** [Moo23a]. **Naked** [LA22]. **nano** [Cas20d]. **Nanometer** [TB21]. **Nanometer-Scale** [TB21]. **Nanoparticles** [Cha24]. **Nanoscale** [Gen24I]. **Nanostructures** [Gob23]. **Narrative** [Mar21i]. **narrow** [Fou21]. **NASA** [BBFS22, Der21f, Fou21, Fou22, GO22, JAR24, Jon24a, Pot20a]. **nasal** [And20b]. **nascent** [Rak24a]. **nasty** [Sca22]. **national** [Sto20]. **Nature** [Gol23e]. **navigation** [Ano21-134]. **Navy** [Gen23c]. **Nazi** [Mar21f]. **Near** [Smi21e]. **nearby** [Hsu20c]. **Need** [Ack23b, BBS23, Cab24, Cas24e, Fit21, KH24, Cas20f, Gal21b, Gol24d, MMP22, Pan20, Ros20a]. **need-for-speed** [Ros20a]. **Needed** [MZR21]. **Needs** [BD22, Fit21, BSG22, Ham21]. **neighbors** [Ano20-66]. **Nerve** [Dol23a]. **Nest** [Has20b]. **nets** [Moo22b]. **Network** [BSAH21, Cha21b, FOSMD23, Fra21, Gen24i, Hig20f, Tow21, Fai24, Koz21b, SMD20]. **Networked** [PRR23]. **Networking** [Bro23a, Has20b]. **Networks** [Cho21, MSS21, Ham21, Pan20]. **Neural** [BSAH21, Cha21b, Cho21, Fra21, MSS21, Dut22, Ham21, Moo22b]. **Neural-Network** [BSAH21]. **Neuralink** [Wal24b]. **Neuromorphic** [Coh22]. **Neurons** [FBMI23, Poo24]. **Neuroprosthetic** [Str22b]. **Neurorights** [SG22]. **neurotech** [SG22]. **Neutrino** [Jon23i]. **never** [BS22]. **News** [ACDG21, ARPH22, ACLS22, And20b, AMK<sup>+</sup>20, And20d, And20e, And20g, Ano20h, Ano20-46, Ano20-49, Ano20-51, Ano20-83, Ano20-82, Ano20-85, Ano20-87, Ano20-89, Ano20-50, Ano21-129, Ano21-130, Ano21-131, Ano21-132, Ano21-139, BGR<sup>+</sup>21, BJZM24, CJGC24, CKG<sup>+</sup>21, CSB22, CKX<sup>+</sup>23, Dum20, Fai20a, Fai20b, Gal20a, Gar20, GHG<sup>+</sup>22, Gen24b, GDUF22, GAS<sup>+</sup>24, Ham20a, Ham20c, Hec20, HPHU21, Hsu20a, HCP<sup>+</sup>23, JPWB21, Koz20b, KPG<sup>+</sup>21, KPCA23, Lau23a, Moo20c, Moo20a, MJH<sup>+</sup>21, MDC<sup>+</sup>22, MHL23, NS20, Nor20a, Ong20, PCRC24, Pat20, PPUS22, PMPG23, PLUM23, Per20a, Pot20b, Pot20a, Raf20a, Raf20b, RCAP23, Ras20a, Ras20b, Red20, Ros20b, RPC<sup>+</sup>23, SAS<sup>+</sup>21, Scu20a, SCPG22, SCPC23, SZCB24, Str20b, SCMP22, SGS<sup>+</sup>23, SHC<sup>+</sup>24, Ulr20a, WAC<sup>+</sup>20, ZJL<sup>+</sup>24, ZSG<sup>+</sup>24]. **Next** [Moo24b, Pal22, Pau22, Van23, Zor22b, Ano21-113, Ano22-58, Fai24, Gui20, Koz24d, Ano20-68]. **Next-Gen** [Pau22]. **next-generation** [Fai24]. **Ng** [Str22a]. **Niche** [Cas22d]. **Night** [SC23, Sch24a, AF23, LSM23]. **Nile** [Smi20b]. **No** [Cha20b, Jon23k, Lau23b, LA22, Sch21b, Ack21a, BMRW20, Has20a, Smi22d]. **no-tech** [Has20a]. **Nobel** [Mar22I]. **node** [Moo20d]. **nodules** [Sch22c]. **Noise** [Ros20b]. **Noise-canceling** [Ros20b]. **nonsense** [Moo20d]. **normal** [Per20d]. **North** [Ano20t]. **Nose** [Str22b]. **Nothing** [Gol22e]. **notices** [Cha20b]. **novel** [Gol24d]. **November** [Bro22b]. **now-famous** [Bou20]. **Nowhere** [Smi21e]. **Nuclear** [Baj22, Jon22h, Pat24b, And20d, Cly20]. **Nuclear-powered** [Pat24b]. **number** [VH20]. **Numbers** [Smi21d, Smi21e, Smi21f, Smi21b, Smi21c, Smi21g, Smi21h, Smi21i, Smi21j, Smi21k, Smi22a, Smi22b, Smi22c, Smi22e, Smi22j, Smi22i]. **Numerical** [Van23]. **Nvidia** [Cas20d].

**obey** [Ack20]. **Object** [Mar23b]. **obscure** [Cho20]. **Obsolete** [SH22b]. **occur** [Koz20c]. **Ocean** [Der22g, Sch22c, Zor22d]. **Oceans**

[Baj22]. **Ode** [Ano23-133, Mar22k]. **Off** [Fai21, Fou22, DM20, Per23]. **Off-Grid** [Fai21]. **offense** [And20h]. **offers** [Ano20-71, Lew20]. **officer** [Gen23c]. **Offices** [GEN24f]. **offs** [Lau24]. **Offset** [Smi21j]. **Offshore** [Fai23a, MD23]. **Often** [Ano23a, You22, Smi22e]. **Ohm** [BSAH21]. **oil** [Her20, Smi20f]. **Old** [Abb23, Ack22a, Smi21f, WA24, Zor22c, Cas20e, Hec20, Lee20, LDO22, Ano20-87]. **oldest** [Mie22]. **OLED** [Pal22]. **Olsen** [Der22h]. **Olympics** [Lau24, Lau24, Pat22]. **Omicron** [Wal22]. **Omnivorous** [Svr23]. **on-the-spot** [Per20a]. **Once** [Gol23a, RHBM22]. **One** [Ake23, Ano21-116, BVKR23, GEN24f, Gol23h, Gol24f, Koz24a, Sch21b, Smi22a, Zor22b, Ack21a, Ano21-138, Cha20b, Chi21, ZL20b]. **Online** [Gen22, RS23, Pes21a]. **only** [Gol22a, RK22]. **opacity** [Hut21]. **Open** [Gen24b, Koz21b]. **Open-Source** [Gen24b]. **opener** [Lew20, Zor23c]. **operations** [Sch22e]. **operators** [Koz21a]. **Optical** [Nor20a, Sch21a]. **optics** [Ano21-134]. **Optimized** [Ano20-78]. **Option** [Pat24b]. **Options** [Mul24]. **optophone** [Tho21b]. **orbit** [Mar20c]. **organizations** [Str24b]. **organize** [Dum20]. **origin** [Per20]. **original** [Ros20a, Smi23b]. **Oscar** [Gen23a]. **oscillators** [Cas20b]. **Oscilloscope** [Cas20e]. **Other** [Bro22d, Gol23g, RZ21, Mit20]. **Our** [Ano21-122, Ano21-124, Cas20i, Cas21d, Gol23e, Gol23g, MZR21, Smi22d, Ano20-72, Ano20-73, RS23, WB21]. **outposts** [LSM23]. **output** [Cas20f]. **outputs** [Sch23b]. **Overnight** [Bro22a]. **Oversees** [Der21f]. **Overtake** [Ack21a]. **Own** [Cas22g, Sch23c, Szk21, WB21]. **oxide** [Jes21].

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[Gol24g]. **Sausage** [Zor24]. **Savant** [Has20b]. **Save** [Bow21, BSAH21, Car24, CPBZ21, GP22, Moo20b, Ong20, Per20c]. **Saving** [Moo24d]. **Savings** [Smi21j]. **Saw** [GOL24c]. **Say** [ACDG21, AS22, Gal21b]. **Says** [Str22a, DM20]. **Scale** [Der21h, Gol23h, TB21, CFPP22, VH20]. **Scaling** [Gol24g]. **Scan** [Gen23e]. **Scandal** [Pau21]. **scanner** [GAG20]. **Scanning** [AS22, Pri21]. **Scenarios** [BSG22]. **Schematics** [Bro23c]. **scheme** [CD21]. **Schneider** [Gol23e]. **Schrödinger** [Ros22e]. **Sci** [Gol24h, Gol24a]. **Sci-Fi** [Gol24h, Gol24a]. **Science** [Der21g, JPWB21, MJH<sup>+</sup>21, SAS<sup>+</sup>21, Zim21, CKG<sup>+</sup>21]. **Scientific** [CP21, Dum20, Cas20h]. **Scientist** [Gol23e, Per20o]. **scientists** [NS20]. **Scientology** [Mar24f]. **Scope** [Har22]. **Scotland** [Fai24]. **Scott** [Rao24]. **SCR** [Bre20]. **SCR-536** [Bre20]. **scramble** [Per20e, Ulr20c]. **scrambles** [Fai20a]. **scrap** [Smi22g]. **Scratch** [Moo24a]. **screen** [Som21]. **SDR** [Sch22b]. **Sea** [MD23, Sch22c]. **Seabed** [Zor22d]. **Search** [Sch22d]. **searches** [Ano20-86]. **Second** [Cas22c, Gen22, SH22b, RHBM22, Sch22e]. **secret** [LA22]. **Secrets** [Gol23e, Tei23, Der21d, RS23]. **sector** [Gol24d]. **secure** [Pes20b, SMD20]. **Secures** [Gen24b]. **Security** [Coo22, Gen24b, Lau24, RS23, Lew20, Ras20b]. **See** [Dol23a, Gol23d, RHBM22, PN20, Pes21a, Sch21b]. **Seeing** [Tei23, GAG20]. **seeks** [Raf20b]. **Seen** [Sch21b]. **segregation** [Moo20c]. **Seismometer** [Sch23a]. **Self** [Bra21, Mar23k, WPBS23, And20g, LG20, Pan20, Smi23a]. **Self-Driving** [Mar23k, WPBS23, And20g, LG20, Pan20, Smi23a]. **Self-interference** [Bra21]. **Selfie** [Ano21-136]. **Semiconductor** [Gob23, Jes21, Kim22, NYI24, Pat23a]. **Sensation** [Bou21]. **Sense** [Ano20-94, Pat20]. **Senses** [KK21, Dut22, Pes20f]. **sensing** [CFPP22]. **sensitive** [Har22, SMD20]. **Sensor** [Ano21-138, Ano21-137, CP21, CFPP22, Der21e, Per22a, Rab22, Ano20-91]. **Sensor-Rich** [CP21]. **sensoribility** [Ano20-94]. **Sensors** [CFPP22, Fit21, WPBS23, Ano20-79, Gen24g, Lee20, PK20, Per21a, WB21]. **sequestering** [Pat24a]. **Serious** [Gol23a, Fai23c]. **Service** [Lau23b]. **Set** [Der21e, Has20b]. **Seth** [Koz24b]. **Seven** [Ano21-116]. **several** [RHBM22]. **Severestorms** [FOSMD23]. **Sews** [Jor21]. **Shakes** [Sch23a]. **Shakespearean** [LCBH20]. **Shane** [Ano23a]. **Shaped** [PRR23]. **Shaping** [Zor22c]. **shares** [Goo23a]. **sharing** [Per20l, PSD22]. **Sheer** [Abb23]. **Shelves** [Nor20b]. **shift** [And20c]. **shifts** [And20g]. **ship** [And20a]. **Shipping** [Ano21-139, Pat24b]. **ships** [Gal21a, Pat24b]. **Shipt** [Cal24]. **Shoebbox** [HH24]. **Short** [Bea22, Fru20]. **shortage** [Per20e]. **Shortcut** [BBFS22]. **Shot** [Jon22h, Ros23b, Wal20a]. **Should** [Cas22c, Pes21b, Ros23b, LG20, Per20h, Str24a]. **Shouldn't** [Fit21]. **show** [Pat20, Pat22, Str20b]. **shows** [WB21]. **Shrink** [HH24, Rak24b]. **Side** [Bro22d]. **Sight** [SH22b, RHBM22]. **sights** [Has20b]. **Signals** [Bou21, Har21]. **significantly** [Fun20]. **Silicon** [BVKR23, Gen24l, MZR21, Per20m, She24]. **Simple** [Cas23c, AG20, Sch20b]. **simpler** [Cly22]. **simplified** [Per22b]. **simplify** [Cas20f]. **Simulation** [Ano21-124, Ano21-140, Ano21-141, Ano20t, Ano21-134]. **Simulator** [Smi23b]. **Sinclair** [Cas20h]. **sing** [Cas20b]. **Singh** [Der23a]. **Singhania** [Gen24c]. **single** [Cas20a]. **sirens** [Ros20b]. **Sister** [MZR21]. **six** [Scu20b]. **Skeptic** [Bar24]. **Skeptical** [Cha23]. **sketch** [Per23]. **Skies** [JAR24, Ros22a]. **Skill** [Der21e]. **Skills** [Ano20-95, Bea22, Gol22b]. **Skin** [Som21, ZL20b]. **Skinny** [Smi21d]. **Sky**

[Bar24, Sch23c, Zor22e]. **Skydiver** [Jor21]. **Slam** [Ros22c]. **slash** [Gal21a, Gal21b]. **Sleuths** [Ano21-133]. **Slow** [Smi22j, Str24a, LG20]. **Slowed** [Smi21k]. **SLS** [Fou22]. **sludge** [Gal20b]. **Small** [Cha21b, Deg24, Koz21a, Str22a, Zor22b, Koz20a, LG20, Nor20a, Pat24b, Per20f]. **smaller** [RK22]. **Smallest** [Der22d]. **Smart** [Bor24, Fit21, Hsu20c, Ano20-96, Ano20-97, GA20, Ros20b]. **Smart-Home** [Bor24]. **Smartly** [CP21]. **Smartphone** [Sla21, Som21]. **Smartphones** [Ano20-96, Ano20-97, ZL20b]. **smashes** [Moo20e]. **Smashing** [SC23]. **Smell** [Str22b]. **Smelling** [Fit21]. **Smoke** [Fit21]. **Smoothly** [Gen24e]. **SMS** [Tho21a]. **Snapshots** [PK20]. **Soar** [NG23]. **Socially** [Ano21-142]. **Software** [Cab24, Hub24, Hus24, Kas23, Pes21b, VA23, Ano21-29, Ano21-30, Bar20, Cas22b, Cha20b, Hsu20a, Lee20]. **Software-Defined** [Kas23, Cas22b, Lee20]. **Solar** [Ano21-124, Fai21, Gol24a, Jon23f, Pat24a, SC23, Sch22a, WA24, Fai20b, JJS22, LSM23]. **Solar-powered** [Pat24a]. **Solution** [Gal21a, Pou22, Zor22d]. **solutions** [Has20a]. **Solve** [Jon23i, NG23, DM20, Gol22a, Per20n, Sch21a]. **Some** [Ake23, Der21g, Smi21k, ZL20b, Ano20-87]. **someday** [Pat20]. **someone** [Ano21-27, Ano22-55]. **Somerton** [Abb23]. **Soon** [Bro21, Fou21, HS23]. **Soonish** [Zor23c]. **sort** [Cal22]. **Sound** [Mar24i, Arm20, LDO22, Ros21]. **Sounds** [Lew23, Ros20b]. **Source** [Gen24b, Smi22g]. **South** [Kim22, LSM23]. **Space** [AF23, Bar24, CP21, Coo21, Der21f, Fou22, Gol24a, Jon23j, Sch21b, Sch22a, BMRW20, Jon24a, Mit20, Pri21]. **Space-based** [Gol24a]. **Spacecraft** [CP21, Der21e, Zor22c, Red20]. **Spafford** [Der23c]. **spawned** [Cro20]. **Spawning** [Pat23a]. **speare** [LCBH20]. **Special** [Ano21-143, Mar20h]. **Spectacular** [Smi22m]. **Spectators** [Bea22]. **Spectral** [Cha20a, Has20a, Has20b, Luc20a, Per20b, Per20l, Per20n, Per20e, Per20h, Per20o, Pre20]. **Spectrometer** [Coo22]. **Spectroscopy** [Ros22b]. **Spectrum** [Laz22, Bar20, Ano20s, Cas22a, Gol21, HPK22, Zor23b]. **Speed** [Ack23c, Moo23b, Sch21a, Cal22, Moo20e, Ros20a]. **Speeds** [Gen24c, Hec20]. **Spent** [WA24, Kum21]. **Spidey** [Pes20f]. **spies** [Luc20b]. **spin** [Lau24]. **spin-offs** [Lau24]. **Spinning** [Gen24e]. **sponsored** [Sto20]. **Spoof** [Har21]. **Spooky** [Jaf22]. **Spot** [Cas22b, GA20, MJS20, Per20a]. **spray** [And20b]. **Spraying** [Gen24d]. **spread** [Smi22j]. **sprung** [Gen24b]. **Spy** [Mar21a, Pau21]. **SQL** [Ano20-95, Cas22c]. **Square** [Per22b]. **squares** [Nor20a]. **Squash** [Sca22]. **St.** [Koz21a]. **Staff** [Ano23-135]. **Staggering** [Cas22g, Gol23h]. **standard** [Ros22c]. **stands** [Koz21a]. **star** [Gol23d, Per20g]. **Start** [Gen24a, Moo24a, Ros22a, LG20]. **Started** [Gol24a]. **Starts** [Eis23]. **Startup** [Der22g, WA24, Ano20-100, DM20, Gen24j, Ros22d, Str23]. **Startups** [AZPC22, Cly20, Moo21]. **State** [Fra21, MS22, Sto20]. **state-sponsored** [Sto20]. **Stay** [Per20g]. **Stay-at-home** [Per20g]. **Steal** [Baj22]. **Stealth** [Baj22]. **Steel** [NYI24]. **Steep** [Smi22c]. **Stefany** [Cas22d]. **Step** [Zor22b, Raf20b]. **Still** [Gol24a, Hub24, Smi21d, Smi22a, Per20b, Smi22g, Smi22k, Smi23b]. **still-mighty** [Smi22g]. **Stimulation** [Dol23a, Dol23b]. **Stirs** [Sch22c]. **stood** [Arm20]. **Stop** [Koz24a]. **Storage** [Car24, Moo21, Dum22, Nor20a, Pat20]. **Store** [RZ21, Scu20a]. **Storing** [Nor20a]. **Story** [Ano20g, Ano20r, Ano20q, Ano20-69, Ano20-47, Ano20-48, Ano20-81, Ano20-92, Ano20s, Ano20-80, Ano20-102, Ano21-49, Ano21-50, Ano21-47, Ano21-48, Ano21-62, Smi21l]. **Storyteller** [Gol24h]. **straddles**

[CD21]. **Strange** [GO22, Mul24, Smi21m, Fru20]. **strategies** [Fou21, Pat22]. **strategy** [Koz20c]. **street** [Ros20b, Wea20]. **strength** [And20e]. **stretch** [ZL20b, Ack22b]. **stretchable** [Som21]. **Strikes** [Cas23c, Cha20a]. **Structures** [BF24, CP21]. **students** [Bar20, Sac20]. **Studio** [Smi21]. **Study** [Ano21-140, Ano21-141, GO22]. **stuff** [Cas22b]. **Stunning** [Gol24f]. **stutters** [Per20j]. **Submarine** [Ba22]. **Subspace** [Tow21]. **substantial** [Jaf22]. **Subterranean** [Ack22c]. **Success** [Bro22a, Goo23a]. **Sucking** [Gal21b]. **Sucks** [Hus24]. **Suddenly** [Cal24]. **Sun** [Ano22-57]. **sunk** [LSM23]. **Sunless** [Pow24]. **Sunny** [Ano21-55, Tow21]. **Superbatteries** [Smi22k]. **Supercharged** [Jes21]. **Supercharges** [SC23]. **Supercold** [Lev21]. **Supercomputer** [MCG24, Sch22e]. **Supercomputing** [Dum23, And20i]. **superconducting** [Cly23]. **Superconductors** [HH24]. **superheroes** [Gen23b]. **Superhuman** [Ack23c, Cal22]. **Superior** [Wat24]. **Superpower** [Kim22]. **Supersonic** [Ros21, Sch21e]. **supplies** [Ano20-68]. **Supply** [AFH22, Pes21b, Fai20a, LSM23, RG20, Sch20c]. **sure** [Hig20e]. **surfaces** [Pou22]. **Surgeons** [Bea22]. **Surgery** [Bea22]. **Surgical** [Bea22]. **Suri** [Gen24g]. **Surpass** [Bro21]. **Surprises** [Cas23c, Sca22]. **Surprisingly** [Cho21, Sar20]. **Surveillance** [Lau24, Pes21a]. **survey** [Per22c]. **Survivors** [Str22b]. **Susana** [Gen24i]. **Sushama** [Gen23d]. **Sustain** [Smi21e]. **SUV** [Per20l, Per22a, Smi21j]. **SUVs** [Smi21j]. **swabbed** [Ano20-68]. **Swallowed** [CG23]. **Swarm** [Jon24c]. **sweat** [MW20]. **Swimmer** [Mar21a]. **switch** [Jes21, Zor20]. **switches** [Zor20]. **Synchron** [Wal24b]. **System** [Ano21-124, Fou22, Kas23, Ros22a, Moo23b, NG23, PSD22]. **System-Level** [Kas23]. **systemic** [Moo20c]. **Systems** [CD21, Rao24, Ano20g, Ano20-90, Cal22, Cha20b, CHM21, Der21d, Hsu20a, Pat24a, Has20b].

**T** [Sch20b]. **T-coil-equipped** [Sch20b]. **Table** [Ano20-98, Ano21-113]. **tackle** [Per20e]. **Tackling** [Chi21]. **Tags** [TB21]. **Take** [Ano22-56, Bar24, Bor24, Cho23, Gen24a, Gol24g, Jon23b, MZR21, Per20h, Sch21e, Sch24b, WAC<sup>+</sup>20, Ano20-80, DM20, Fun20, Jag22]. **takeoff** [DM20]. **Takes** [Cal22, Sto20, Str20a, Wal20a]. **Taking** [Mar23j, RK22]. **Talkie** [Bre20]. **talking** [CD21]. **Tan** [Str23]. **Tandy** [Cas22f]. **Tanghal** [Der23b]. **tanks** [Gal20b]. **Tap** [Fai23a]. **tape** [Cly23]. **Tapped** [FBMI23]. **Tardigrade** [Ros22e]. **tasks** [AG20]. **Taste** [Ano24-102]. **tattoos** [Scu20a]. **taught** [ALRW21, SZ20]. **Taxi** [AZPC22]. **Taxis** [NG23]. **Taylor** [Koz23b]. **teach** [Wea20]. **teacher** [Bar20]. **Team** [Ack21b, Bou20]. **Tech** [Ano21-114, Ano21-143, Ano22-129, Ano23-136, Ano24-103, Bor24, Cas24c, Cha23, Cho23, Dum22, Gol24b, Moo24d, MD23, Per21c, RZ21, Shi22, Szk21, Wat24, You22, And20h, CFPP22, Der22h, Gar20, Has20a, HS23, Koz24d, McC20, Ong20, Per20a, Per20b, Per20m, Per20d, Per20g, Per20i, Raf20b, Rak24a, Ras20b, Sac20, Smi23a, SZ20, Ulr20a, Ulr20c, YS20]. **Technical** [Gen23a]. **Technicolor** [HF22]. **Technologies** [GOL24c, Gol23d, LG20, Pal22]. **technologists** [BS22]. **Technology** [Der23d, JPWB21, Jon23a, LW24, MJH<sup>+</sup>21, SAS<sup>+</sup>21, Ano20-100, CKG<sup>+</sup>21, Gol22d, Gol22e, Gol22f, Hsu20b, Lee20, Smi22i]. **technophobes** [Per20g]. **teenager** [Sha23]. **Tekla** [Gol23f, Gol24b]. **telecom** [Koz21a]. **Telepresence** [Ack23a]. **telescope** [Bou20, HPK22, Sch21b]. **television** [Mie22]. **Tell** [Fra21, Mar23k, Hut21]. **Tells** [Gol22f]. **temperature** [Cly23]. **term** [And20d]. **Terminators** [BSG22]. **Tesla**

[Har22, Ulr22]. **Tesler** [Per20o]. **Test** [Dum22, Gar20, Koz20c, Koz23d, Per20e, Ros21, Ros22d, YS20]. **Testing** [YS20, Der22h, Per20a]. **Tests** [Har21, Der22f, Per20a, YS20]. **Texas** [Gal21b, NG23]. **text** [Lau23b]. **Textiles** [CP21]. **Texting** [Tho21a]. **thank** [Per20o]. **Their** [Cal24, Gal21a, Gol23d, NS20, Per20b]. **Them** [BVKR23, Gol23g, Mar23j, Pow24, Ack23b, And20h, Sch22b]. **Themselves** [Ros22c, Ack21a, Koz20b]. **theory** [SHD20, ZL20a]. **therapy** [HVW20]. **There** [Pou22, Pes20a, Str21, PK20]. **thermal** [Zel20]. **thermodynamics** [AF23]. **These** [Arm20, WC23]. **they'll** [Ano20-68]. **they're** [Hsu20a]. **thick** [Rad20]. **Thin** [Gob23]. **thing** [LCBH20]. **Things** [BVKR23, Pes21b, Str24a]. **Thinks** [Cha23]. **Third** [FBMI23, Per20c, Shi22]. **Thomas** [Der21d]. **thousand** [Cas20b]. **Thousands** [Smi21e, Jes21, Kum21]. **threatened** [Sha23]. **threats** [Der23c]. **Three** [Fou21, Moo20b]. **Threshold** [BS22]. **throats** [Ano20-68]. **throughout** [Moo20c]. **Throw** [MW20]. **thrust** [Rae20]. **Thwart** [TB21]. **ticket** [Per20j]. **Ticks** [Lev21]. **Time** [Bow21, Gol23a, Sch23c, Ano20-68, Per20m, Pes20e, Zor22d, Dum20]. **Time-Lapse** [Sch23c]. **Timekeeper** [Lev21]. **Timeline** [Cas22e]. **Times** [Cor21b]. **Timing** [Wat24, Raf20a]. **Tinier** [Van23]. **Tiny** [Gob23, NYI24, WPBS23, MS22, Per22a]. **Tips** [Ash23]. **tissue** [SMD20]. **Today** [Bea22, MSS21, PRR23, Rao24, Ano20-78, Per20o]. **together** [Bou20, Pal22]. **Tokyo** [Mar23j]. **toll** [SB22a]. **Tomorrow** [Bea22, Rao24, Hut20]. **Tones** [Tho21b]. **tons** [Kum21]. **Too** [Hut20, Smi21d]. **Took** [HF22, Per20c]. **Tool** [Cor21b, Cro20, Gen24j, Hsu20a, Tem20]. **Tools** [RZ21, VA23, Gol22b]. **Top** [Ano21-143, Ano22-129, Ano23-136, Ano24-103, Cas21d, CG23, GEN24f, Ulr20c, Ano20-95, Cas20i]. **top-again** [Cas20i]. **topological** [Cho20]. **Touch** [Gan24]. **Tough** [Smi21n]. **tour** [WAC<sup>+</sup>20]. **toured** [Fru20]. **town** [PK20]. **Toyota** [Ack22a]. **Tracing** [Ano21-124, Hsu20b, Pes21a]. **Track** [Gen24k]. **Tracker** [Per24, Sla21]. **Tracking** [Rab22]. **trade** [LA22]. **traditional** [Gal20a]. **Traffic** [Tow21, Der22b, NG23, Raf20a]. **Trail** [Gol24b]. **Train** [Chi21]. **Trainees** [Bea22]. **Training** [Bea22]. **transactions** [Per22b]. **Transform** [Ano20-73, Ano21-122, Gob23, Ano20-72, Cly23]. **transformation** [Fai24]. **Transformed** [Bro23a]. **Transformer** [Fai23c]. **Transforming** [Ano21-56]. **Transgenic** [Nor20b]. **Transistor** [Ano22-130, Cas22e, LW24, MS22, Moo22c, Zor22a]. **Transistors** [Gol22c, Van23, Per20c, RK22, Rad20, Rak24a]. **Transition** [Cha23, Gol23h, Gol22f, JJS22]. **transmission** [Fai24]. **transmit** [Bra21, Sch20b]. **Transparent** [Baj22, Smi22b, HVW20]. **transport** [MMP22, Ros22d]. **Transportation** [ACDG21, AZPC22, Der22a, Gol24d, Per20l]. **Trap** [ROK24, Pes20c]. **Trashed** [WA24]. **Travel** [Ros21]. **Travels** [Gol24e]. **treasure** [Sch22d]. **treated** [Arm20]. **treating** [Ano20-68]. **treatment** [And20b, And20e]. **trees** [PN20]. **Trend** [Ulr21]. **Trick** [Van23]. **tricky** [Cas22f]. **tries** [BBS23]. **triggering** [Fai21]. **Trillion** [LW24, Pow24]. **Trip** [Smi21m]. **Trippe** [Bro22b]. **trips** [WAC<sup>+</sup>20]. **Triumphs** [Ano20-99]. **trojan** [LA22]. **Troynikov** [Koz23a]. **Trucks** [Ack21a]. **truly** [LDO22]. **try** [Pri21]. **Tube** [Shi22, Ano20-81, Cas20e]. **Tummala** [Moo24a]. **tunes** [And20f]. **tuning** [Per22a]. **tunnels** [Cas22e]. **Turbine** [Jon23k]. **Turbocharge** [Boy24]. **Turbulent** [Str21]. **Turf** [Laz22]. **Turing** [Cas21c, Reg23]. **Turn** [Smi22h, Der22c, Gol23d, Per20g, SMD20]. **Turned** [Smi21l]. **Turning**

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**Anonymous:2023:Ax**

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**Anonymous:2023:Ay**

[Ano23z] Anonymous. Advertisement. *IEEE Spectrum*, 60(5):55, May 2023. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2023:Az**

[Ano23-27] Anonymous. Advertisement. *IEEE Spectrum*, 60(6):3, June 2023. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

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**Anonymous:2023:Abc**

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**Anonymous:2023:Abj**

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**Anonymous:2023:Abk**

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**Anonymous:2023:Abn**

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**Anonymous:2023:Abq**

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**Anonymous:2023:Abr**

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**Anonymous:2023:Cx**

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**Anonymous:2023:Cbo**

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**Anonymous:2023:Cbt**

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**Anonymous:2023:Cby**

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**Anonymous:2023:Ce**

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**Anonymous:2023:Co**

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**Anonymous:2023:Ct**

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**Anonymous:2023:Cy**

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[Ano23-110] Anonymous. Cover3. *IEEE Spectrum*, 60(9):1, September 2023. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

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**Anonymous:2023:FCi**

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**Anonymous:2023:FCj**

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**Anonymous:2023:FCk**

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[Ano23-124] Anonymous. Masthead. *IEEE Spectrum*, 60(3):4, March 2023. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2023:Mc**

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**Anonymous:2023:Md**

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**Anonymous:2023:Mf**

[Ano23-128] Anonymous. Masthead. *IEEE Spectrum*, 60(7):4, July 2023. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2023:Mg**

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**Anonymous:2023:OA**

[Ano23-133] Anonymous. Ode to an arm. *IEEE Spectrum*, 60(8):52, August 2023. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2023:PF**

[Ano23-134] Anonymous. Past forward. *IEEE Spectrum*, 60(9):68, September 2023. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2023:S**

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**Anonymous:2023:TT**

[Ano23-136] Anonymous. Top tech 2023. *IEEE Spectrum*, 60(1):23, January 2023. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

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