

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

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Title word cross-reference	[Cas25b]. 1990s [RC25].
\$ [Ulr20b]. \$1 [Pot20b]. \$100 [Cha25b, Sch22a, Sch22d, Sch25b]. 3 [And20f]. \$74 [GA20]. > [Coo22, Gen22]. ² [Cas23c]. <i>X</i> [Cas25b]. <i>Y</i> [Cas25b].	2 [Sch21e]. 2-in-1 [Mar25b]. 2.0 [Moo24b, WB21]. 200-Year-Old [Smi21f]. 2020 [Ano20t]. 2021 [Ano21-115]. 20th [Moo20c]. 22 [Bro22b].
000-Qubit [Cho23].	3D [BF24, Moo22a, Moo24d, SC23]. 3D-Chip [Moo24d].
1 [Ano20-51, Koz23d, Ros21]. 1-Trillion-Transistor [LW24]. 10-Year [Ack25b]. 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]. 1970s	5 [Ros20a]. 536 [Bre20]. 5G [Hig20i, Koz21b].
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Engine [Col25]. **Engineer** [Der21g, Gen24a, Gen24e, Gen24d, Gen24j, Gen24l, Gen25g, Gol23h, Kim22, Lau25, Ano20-47, CD21, Gen23a]. **Engineered** [And20b, Cas20h]. **Engineering** [Ash23, Der21d, HPK22, JPWB21, MJH⁺21, NS20, Per24b, SAS⁺21, Ano20-86, Cas20b, CKG⁺21, CFPP22, Koz24b]. **Engineers** [FK21, Gar25, Gen25h, Gol22d, Gol25h, Mos25, Per22c, Gen23c, NS20]. **engines** [Gal21a]. **England** [Jon23d]. **Enhanced** [Gol21]. **Enhancing** [Ack22a]. **Enough** [MMP22, Cha24, Gal21b, Gib21]. **Ensure** [JKW25, Der22f]. **ensures** [Der21d].
Entangled [Ros22e]. **Enters** [Cas25b, WPBS23]. **enthralls** [Smi23b].
entire [Sha23]. **entrepreneur** [Ano21a, Goo23a]. **Entry** [Dum23].
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[Sch20b]. **Era** [Cas22g, Shi22, Smi22a, Wal21, Bro22b, Sch22e]. **Eraser** [Mar25f]. **Erickson** [Gen24e]. **Erika** [Gen24f]. **Error** [BS22]. **Escape** [Bor24, ROK24]. **Escapes** [GPUB25]. **Essential** [Cor21a, Mos25, Ano20-68]. **Estonia** [Str25a]. **Ethical** [Ros25]. **Ethics** [Ros25]. **Eugene** [Der23c]. **Europa** [Cha21a]. **Europe** [Dum23, Fai24a, Ros22c, Ros22d, Zee25]. **EUV** [Boy24, SSB25, Van23]. **EV** [And20c, Cha23, Col25, Gen24g, GH23, Gol23h, RC25, Smi23a]. **evangelizing** [Per23]. **Even** [Cas23c, Gen25f, Per20g, Sch23a, Szk21, BMRW20]. **Event** [Lau24b, Ano20t, Bou20]. **Ever** [NYI24, Dut22, Pri21]. **Every** [Har22, Smi22d]. **Everyone** [Ack25a]. **Everything** [Gol22c, Gol25g, 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, Ulr20a]. **eVTOL** [AZPC22, Zor23a, Zor23c]. **eVTOLs** [ACDG21, NG23]. **Exascale** [Dum23, And20i, Sch22e]. **exceed** [Fai23b]. **Exceptional** [Pau21]. **Excess** [SB22a]. **Exclusive** [Ano20-71, Cop25]. **Existed** [Ack25b]. **exoplanet** [WB21]. **Exoskeleton** [Str25b, Ack20]. **Exotic** [ROK24]. **Expect** [Fun20]. **expectations** [And20g, Per20d]. **Expendable** [Col25]. **Experience** [Der22d, Gol21]. **experiences** [Der20]. **Experimental** [ROK24]. **experiments** [Cas20g, Ham20a]. **Expert** [Der23d, Mar23k, Rak25b, Ros25]. **Experts** [Gal21b]. **Exploding** [Jag22, SSB25]. **Explore** [Gol25h]. **Explorers** [Der22g]. **Explores** [HPK22]. **expressions** [HVW20]. **extension** [Red20]. **Extra** [FBMI23]. **Extreme** [Gol24h, Smi22e]. **Extremely**

[ACDG21]. **Eye** [Ano24-144, Zor22e, Sch20d]. **Eyeballs** [Gen23e]. **Eyewear** [Ano21-114]. **EZ** [Mie22]. **Fab** [Ano22-108, Aro24, Moo24e]. **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]. **Fall** [Mar25e]. **fallback** [Raf20b]. **False** [Eis23]. **famous** [Bou20]. **Fans** [Gal21b]. **fantasy** [Ano20-51]. **Far** [Fai23a, Gol25h, Ano20-49, PSD22]. **Faraway** [Sch25a]. **Farewell** [Mar24e, Zor23b]. **Farmers** [Gen24e, Gen25c]. **Farms** [Pat24a, Usk21]. **fascinating** [Gol22d]. **Fast** [Cha21b, Cly24, Gol25g, 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]. **Feeding** [Ack25a]. **Feel** [Ack22a]. **Feels** [CHM21]. **Fell** [Gen25e, Ros22a]. **Ferrite** [Cas22g]. **Ferrite-Core** [Cas22g]. **fetch** [GA20]. **few** [LCBH20, ZL20b]. **fewer** [Sca22]. **Fi** [Gol24j, Koz24d, Lew23, Mie24, Cas22a, Gol24a, Hig20j, Zel20]. **fibers** [Hec20]. **Fiction** [Der21g, Jon22a, Zim21]. **fieldwork** [Ham20a]. **Fight** [Gol24i, 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, Gar25, Gob23, GK24, Zor23c, Gol23d, Zor20, Zor22d]. **Find** [Gen25g, Gol25c, MD23, Pow24, Pri21]. **Finding** [Abb23, Gen25a, Zor20]. **Finds** [Gen23d]. **FinFets** [Per20c]. **Finish** [Gen24d]. **Finished** [Aro24]. **Fires** [Fit21].

First [Aro24, Gen24b, GPUB25, Goo25, Koz21b, Mar22l, Mar24g, Per24b, Ros22a, Ste21, SG22, Zor22a, Zor24a, And20b, And20e, Fru20, Jon24a, Mar20c, Mar20d, Pot20a, Sch22e, Zor23c]. **first-person** [And20e]. **Firsthand** [Mar23k]. **Fishing** [Her20, SJY25]. **Fission** [Jon23d, And20d]. **Fit** [Smi22l]. **Fitbit** [Per24b]. **Fitness** [Per24b]. **fits** [Mar20f]. **five** [Per23, Scu20b]. **Fix** [Smi21n, Str24a]. **Fixed** [Smi22l]. **Fizzling** [Col25]. **Flags** [Ros25]. **Flares** [Sch22a]. **Fledgling** [Lau25]. **Fleet** [Der22e, Raf20b]. **flesh** [SMD20]. **Flexible** [Der21e, Kir25]. **flier** [DM20]. **fliers** [Zor23c]. **flies** [Rae20]. **Flight** [Jon23j, Smi21e, Smi23b, Ano20-89, CD21, Fou22, Ros21]. **Flights** [Smi21e, Koz23d]. **Flipper** [Cas23b]. **Floats** [Mie24]. **floor** [Sch22c]. **Floppy** [Ake23]. **flourished** [Hoc22]. **Flow** [Cha24]. **flu** [SB22a]. **fluctuations** [Koz20c]. **flurry** [Pes21a]. **Flux** [GP22]. **Fly** [Cha21b, JAR24, Zor25a, Pot20a]. **flyer** [Pot20b]. **Flying** [Ano20-49, Ros20a, Ros22d, Zor23a]. **focus** [And20g]. **focuses** [Gol22d]. **fold** [ZL20b]. **followed** [Smi22j]. **Following** [Gol24d]. **Food** [Smi22f]. **Foosball** [Coh22]. **Footprint** [Smi22b]. **Forced** [Gen25d]. **Ford** [Col25]. **foreshadows** [Fai24a]. **foresight** [SZ20]. **Forest** [Fit21, PN20]. **forestry** [Ano20f]. **Forgetful** [Cho21]. **Forgotten** [Aro24, Mul24, Shi22, Smi22g]. **fork** [Per22a]. **form** [And20e]. **Former** [Ros23a, Zor24b, Gen23c]. **Formerly** [Pal22]. **Forming** [KH24]. **Formula** [Ano20-51]. **Forward** [Ano23-134, Bro23b, Cor21b, Goo23b, Goo25, MMM24, 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, Mar24f, Mar24d, Mar24g, Mar24e, Mar24h, Mar24c, Mar24i, Mar24j, Mar25a, Mar25d, Mar25c, Mar25e, Mar25b, Mar25f, Bre20]. **Forward** [Mar24k]. **Fostered** [Gol24g]. **Fought** [Cal24]. **Found** [SH22b]. **Foundation** [Ano20-70, Ano21-31]. **Founder** [Ack24a]. **foundry** [Rak24a]. **FPGA** [Cas20f]. **Fractional** [AMK⁺20]. **Fraden** [Koz24b]. **Frankel** [Koz24a]. **Free** [Tho21a, Per20f]. **freight** [DM20]. **frequency** [Bra21]. **Fried** [Cas23a]. **friendly** [Fru20, Pat22]. **Friends** [Mar24e]. **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, Ano23-117, Ano23-118, Ano23-119, Ano23-120, Ano23-121, Ano23-122, Ano24-119, Ano24-120, Ano24-121, Ano24-122, Ano24-123, Ano24-124, Ano24-125, Ano24-126, Ano24-127, Ano24-128, Ano24-129, Ano24-130, Ano25-62, Ano25-63, Ano25-64, Ano25-65, Ano25-66, Ano25-67, Ano25-68, Ano25-69, Ano20-76, Ano20-77, Ano20-52, Ano20-60, Ano20-61, Ano20-62, Ano20-63, Ano20-64, Ano20-65, Ano21-94, Ano21-95, Ano21-97, Ano21-98, Ano21-99, Ano21-100, Ano21-101, Ano21-102, Ano21-104, Ano21-111, Ano21-105, Ano21-106, Ano21-107, Ano21-108, Ano21-109, Ano21-110, Ano22-109, Ano22-110, Ano22-111, Ano22-121]. **frontier** [Som21, Sch22e]. **Frontiers** [Kon24]. **Fuel** [Sch23b, Smi22f, Svr23, Zor25a, Gal21a, Smi22k]. **Fuel-Cell** [Zor25a]. **Fuel-Economy** [Sch23b]. **Fueled** [Per25]. **fuelless** [Ano20-49]. **full** [Ano20-70]. **Fully** [Moo24c, Per20l, Smi23a]. **Fun** [Gen23d, Mar20e]. **Functional** [Sca22].

Funded [Pat23a]. **Fureka** [Lau24a]. **Fusion** [BBFS22, Cly22, Cly24, Der21e, Gol23b, Jon22h, Kon24, BCM⁺19, Cly20, Cly23]. **Fuss** [Kuh24]. **Future** [Ack22c, Ack23a, Ano21-122, Boy24, Gol24d, Ham21, Str21, Tei23, Zor25b, And20c, And20d, Ano20-72, Ano20-73, Ano22-130, Luc20a, MW20, Moo20b, Ulr20b].

Gadget [Wal21]. **Gadgeteering** [Ano21-112]. **gains** [Per20i]. **Gakutensoku** [Fru20]. **Galaksija** [Ack23d, Cas23d]. **Galaxy** [Pow24]. **Gallium** [Jes21]. **Game** [Pes21a, Reg23, Wea20, And20e, Smi23b, ZL20a, Smi24]. **Games** [Gen23d]. **gaming** [And20e, Pes21a]. **Gamma** [Ros22b, Sch22a]. **Gamma-Ray** [Ros22b, Sch22a]. **Ganguli** [Der21h]. **garage** [Lew20]. **Garwin** [Zor24a]. **Gas** [Jon22c, Gal21b]. **gateways** [Gol23c]. **gauge** [Sch23b]. **GE** [Has20b, JAR24]. **gear** [And20c]. **gears** [Jon24a]. **Geek** [Cas20a, Cas20b]. **Geely** [Smi23a]. **Gen** [Dol25, Pau22]. **General** [Der21h]. **Generate** [VA23]. **Generated** [Koz23a]. **generating** [Fai23b]. **generation** [Fai24a, Koz24d]. **Generations** [Sto23]. **Generative** [Bro23c, SHP24a]. **Generator** [Svr23]. **Generators** [Mar23c]. **Geopolitics** [Gol25e]. **Geostationary** [Koz20a]. **geothermal** [Gal20a]. **Germany** [Dum23]. **Germicidal** [And20h]. **gestures** [Wea20]. **Get** [HS23, Pep25, 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** [Gen24i, 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, Mos25, Ros25, Fai24a, Raf20b, RG20]. **Globalism** [Bro22b]. **Gloom** [Ano21-62]. **Glucose** [KK21]. **GM** [Ul20b]. **Go** [Cas24b, Gol25h, Wal21, Zel20, LG20, Ulr20a]. **Goal** [Lau24a, Cly22, Koz21b, Kum21]. **Godfather** [Kim22]. **Goes** [Ack21b, MD23, Smi21k, SJY25]. **GoFly** [Pot20b]. **Going** [Koz23c, Ros20a, SSB25, Wal24b, Kum21]. **Gone** [Jon23k, BMRW20]. **Gooaall** [Coh22]. **Good** [Ano20-66, Mar23j]. **goodbye** [Hig20j]. **Google** [HVW20, Has20b, Kon24, Koz21a]. **government** [Cha20a, Raf20b]. **GPS** [And25, Har21, Raf20b]. **GPU** [LW24]. **Gracey** [Gen23c]. **Grade** [Pat23b]. **Grain** [Smi22f, Usk21]. **Graphene** [Kir25]. **graphics** [Cas20e]. **Grapples** [Gol23h, Fai20b]. **Grappling** [Sch21e]. **Gravity** [Moo21]. **Great** [Ano21-113, Gen25h, KP24, Koz23c, Per21c, Smi21l, BBS23, Smi20a]. **Greater** [Str25b]. **greatest** [Cro20]. **Greedy** [Cha23]. **Green** [Fai23b, Gen25c, Zee25, Str23, Pat22]. **Green-Energy** [Zee25]. **greener** [Hus24]. **greenhouse** [Gal21b]. **Greening** [Gol24e]. **Greta** [Gen24g]. **Grid** [AFH22, Dum22, Eis23, Fai21, Gol22f, Gol25d, KH24, Mos25, Poo24a, Fai23c, Fai24a, 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]. **Growing** [Rak25c]. **grown** [Gui20]. **Growth** [Bro22c, Pat24a, Smi21j, Smi21k, Ano20-44, Per20j]. **guard** [Arm20]. **guardian** [Per20k]. **Guide** [Ano21-144, Ano21-145, Ano22-131, Ano22-132, CFPP22, RZ21, Ano20-103, Ano20-104, Gol23c]. **Guided** [Jon23e, Smi23c]. **Gun** [Ros23b].

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Handful [PRR23]. **Handheld** [Cas24e, Wal21]. **Handie** [Bre20].
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Happens [SH22b]. **Happier** [Ack25a, AS22]. **hard** [Hut21, Sca22, VH20].
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healing [Ano20-67]. **Health** [Cha25b, SHP24a, Str20b]. **healthcare** [Ano20-96, Ano20-97]. **heap** [Smi22g]. **Hear** [Bra21, Koz20b, Tho21b]. **Heard** [Ama25, JKW25]. **Hearing** [Mar22i, Mos22, Sch20b]. **Heat** [MZR21].
Heating [Ano23-137]. **Heavens** [Sch23c, Sch24b]. **Heavy** [Der23a, Ack22b].
Heavy-Duty [Der23a]. **Heights** [Jon23b, RK22, Gol24g]. **Helena** [Koz21a].
helicopter [Pot20a]. **He'll** [Zor25a, Cha21a]. **Hellish** [MZR21]. **Hello** [AG20]. **Help** [Ack22a, Bau24, CPBZ21, Gol22a, Jon22b, Gal20a, Pre20, SHD20].

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Hide-and-Seek [Baj24]. **High** [Ano21-114, Coo22, Fai24a, Gan24, Van23, You22, And20c, Cly23, Has20a, Has20b, YS20, Zor23a]. **high-flying** [Zor23a].
High-Numerical-Aperture [Van23].
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High-Resolution [Coo22]. **High-Tech** [Ano21-114, You22, Has20a, YS20].
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Homemade [Sch22b]. **homes** [Ano20-96, Ano20-97]. **homomorphic** [Moo24c]. **Hope** [Dol25]. **Hopes** [Per20d, Rak24a]. **Horizon** [Zim21, Bou20].
Horse [Moo23b]. **hospital** [Ano20-68].
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Huge [Coo21, Gol24d, Moo20e]. **Human** [Ack23a, Ack23c, Bro21, Gol25a, OSK25, Smi22h, BBS23]. **Humanity** [Ack23b, Gib21]. **Humanoid** [Ack24d, GK24]. **Humans** [Ack21b, Ack25a, CZG25, Gol22b, Gol23g, And20h, Gol22a]. **Hummer** [Smi22e]. **Humming** [Gen24j]. **Humphreys** [And25]. **Hundreds** [Usk21, Dum20]. **Hunt** [Pow24, Sch22b]. **Hunts** [GH23]. **Hurdles** [Pat20]. **Hybrid** [Gen24d, JAR24, Moo24d]. **hybrid-electric** [JAR24]. **Hybrids** [MCG24]. **Hydrogen** [Fai23b, Jon25, MD23, Zor24a, Zor25a, Str23]. **Hydrogen-Powered** [Jon25]. **Hydropower** [Smi22g]. **hype** [Fun20, Hig20i]. **Hyper** [Smi21f]. **Hyperloop** [Smi21f]. **Hypersonic** [Ros20a].

IBM [Aro24, MCG24, Ros25]. **IBM's** [Cho23]. **Ice** [Rab22, Tei23, Gen24i]. **Iconic** [Mar23c]. **Icy** [Cha21a]. **ID** [Gen23e]. **Idea** [Per24b]. **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, SM24, Zor23b, Zor24b]. **If** [BS22, Gar25, 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⁺20]. **Immortality** [Mar23c]. **Impacts** [Cab24]. **Implant** [Wal24b, Dut22]. **Implants** [Bou21, Dol25, SH22b]. **important** [Ano22-130]. **impossible** [VH20]. **Impossibly** [Smi22c]. **Impractical** [You22]. **impressive** [Smi22i]. **Improve** [Per24a, Cho20, Gol22b]. **Improvement** [TGLM21]. **improving** [Per23]. **included** [Hig20f]. **Income** [Ano21-121, Per22c]. **increases** [Per20i]. **increasingly** [Lau23b, SB22a]. **Indeed** [Smi21d]. **Indefinitely** [Pes21b]. **Indelible** [Zor24b]. **Independence** [Ack22a, Gen25g]. **Indeterminate** [Ano20-44]. **India** [Fai20b, Gen25c, JJS22, Jon23f]. **Indoor** [Smi21n]. **induction** [Sch20b]. **Industrial** [Gen23a]. **Industry** [Gen24g, Gol25b, Jag22, Kim22, Moo24a, Pat24a, WC23, And20g, Koz21b]. **Inefficient** [Cha25b]. **inertial** [Ano21-134, Per21a]. **Inexpensive** [Kuh24, Rab22]. **Inflammation** [CZ25]. **Inflation** [Per22c]. **Inflation-Adjusted** [Per22c]. **Information** [Gol25f, Der20]. **Infrastructure** [Fit21, Gen24j, Gol22c]. **Ingenious** [Mul24, ROK24]. **ingenuity** [Luc20b]. **inhaler** [And20b]. **Injury** [Gen25d]. **Ink** [HF22]. **Inkjets** [BF24]. **Innovate** [Ano20-72, Ano20-73, Ano21-122]. **Innovation** [Gen24i, Moo20c]. **Innovator** [Bro22d]. **input** [Cas20f]. **input/output** [Cas20f]. **insde** [Ano22-48]. **Insight** [Zor22c]. **Insights** [Gol25c, Per22c]. **Inspire** [Cla24]. **Inspired** [Sto23, Gen24h]. **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, Lau24a, CHM21, Fun20, Hut21]. **intelligent** [Ano20-90, Pou22, Pri21]. **intended** [Der21d]. **Intentional** [Jon23g]. **Interactive** [Gol25c, 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].

Introduction [SM24]. **Invented** [Ano20-78, Cro20]. **Invention** [Gen24c, Lau24a, SM24, Ano22-130]. **inventions** [Gol24e]. **Inventor** [Mar24f]. **inventors** [Moo20c]. **Inverters** [KH24]. **Invisible** [Kuh24, Gol22c]. **ion** [Kum21, Mur23]. **IoT** [Ano20-79, Hig20c, Pes20b]. **Irene** [Gen24l]. **Irresistible** [VA23]. **Island** [Koz21a, Koz24c]. **isn't** [Cha23, Koz23c, MMM24]. **Italian** [WA24]. **items** [CKG⁺21]. **Itself** [Bra21, Smi21l]. **Iverson** [Der21e].

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L [Der23d]. **Lab** [GPUB25, Moo24e, Ham20a, Hec20, Tem20, Moo23b]. **Lab-to-Fab** [Moo24e]. **Lags** [Smi22a]. **Lake** [Gol24i]. **laminography** [LA22]. **lamps** [And20h]. **Land** [Bau24, Goo25, DM20, Ulr22]. **Land-Mine** [Goo25]. **landing** [Fou21]. **Lane** [WPBS23]. **Language** [Cas22c, BBS23]. **language-learning** [BBS23]. **Languages** [Cas21d, CG23, Cas20i]. **Lapse** [Sch23c]. **Laptop** [Smi22l, Mar20c]. **large** [Per20f, VH20]. **Larry** [Per20o]. **Laser** [BVKR23, Gen24m, Mar22l, 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⁺21, SAS⁺21, Cas20i, CKG⁺21]. **Lattice** [BBFS22]. **Launch** [Fou22, GO22, Pot20a, Sto20]. **launched** [Bro22b]. **Law** [BSAH21, Der23d, Smi22i, Boy24, BSAH21, CPBZ21, Moo24d, Moo24b, Per20c, RK22, SSB25, Van23]. **Law-for** [Smi22i]. **layer** [Gol22f]. **Layoffs** [Rak25c]. **lead** [AMK⁺20]. **Leader** [Der21f, Ros25]. **Leaders** [Per24a]. **leads** [Der22h, Dum22]. **league** [Ano20-51]. **leaks** [MJS20]. **lean** [Hub24]. **leaner** [Hus24]. **Leap** [Cho23, Gen24c, Zor22b]. **Leapfrog** [Rak24a]. **Learn** [BBS23, Cas21c, Kas23, Per24b, CHM21, Sca22]. **Learned** [ALRW21, Goo23a]. **Learning** [Ack21b, Ano21-125, Ano21-126, Gen25e, GH23, Ham21, Kin25, MMM24, MSS21, RZ21, Sch21a, Str22a, TGLM21, Ano21-113,

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Mach [Ros20a, Sch21e]. **Machine** [Ano21-125, Ano21-126, Bro23a, Bro22c, Bro22b, Bro22d, DHOW20, Gen25e, GH23, Hig20d, MMM24, Mar24i, Pau21, RZ21, SB22b, SB22c, SSB25, Str22a, Van23, Cas20d, Cas23a, HPK22]. **Machine-Learning** [Str22a, Cas20d]. **Machines** [Gen24f, AG20, Smi20c]. **Macro** [HP21a, HP21b, HP21e, HP21f, HP21c, HP21d, Pes20a, Pes20b, Pes20c, Pes22, SP21a, SP21b, SP21c]. **Made** [Cas21c, Cha21a, Col25, Gol24f, Gol24g, Pot24, Str25b, Arm20, Hsu20a, Per20i, Wea20]. **Madni** [Per22a]. **Magaly** [Der22d]. **Magazine** [Ano21-127]. **Magdalene** [Der22e]. **Magic** [Gen23a, Gen25e]. **Magnetic** [Shi22]. **Magnetometer** [Sch22d]. **Magnets** [BBFS22]. **Mail** [Mar21h]. **Mainspring** [Svr23]. **Major** [Der21f, Pau21, Cly20]. **Make** [BVKR23, Bro23a, Der22d, Gen25h, Gol22a],

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[Moo23b]. **Micromanufacturer** [Cas22d]. **Microphone** [Sch24a]. **Microsatellites** [MJS20]. **microscope** [Tem20]. **microscopy** [WAC⁺20]. **Microsocial** [Cas25d]. **Microstory** [Gol24j]. **Midair** [Mie24]. **Middle** [Aro24]. **midst** [Der22b]. **might** [AMK⁺20, And20h, Ham21, HS23, WB21]. **mighty** [MS22, Smi22g]. **Migrating** [Sch24a]. **Mile** [Koz21b]. **Milestones** [Gol25e]. **Military** [Cla24, Har21]. **Milk** [Gol25a]. **Milking** [Ack25a]. **Millimeter** [Gal20a]. **million** [Hec20, Pot20b]. **millions** [Smi23b]. **millisecond** [Pan20]. **Mind** [Gen24c, Kim22]. **Mind-Set** [Gen24c]. **Mine** [Goo25, Sch25b]. **Minerals** [GH23]. **Mines** [Bau24]. **minikit** [Cas20g]. **Minimalist** [Str22a]. **Mining** [Sch22c, Zor22d]. **Mira** [Gen25g]. **Miracle** [Smi23b]. **Missile** [Cha21b]. **Missiles** [Ros23b]. **Mission** [GO22, Red20, Jon24a]. **Missions** [BD22, BMRW20]. **Missy** [Mar23k, Ros23a]. **mist** [And20b]. **mix** [Zor22a]. **Mobile** [Ham20c]. **modded** [Cas24e]. **Model** [Cas22f, Jon24b, Ras20b]. **modeler** [Fai23c]. **modeling** [Pre20]. **models** [Hut20]. **Modems** [Per25]. **Modern** [Ack24a, Bro23a, Cor21b, Ano22-130, Lee20, Smi22i]. **Modernize** [Gol25d]. **Modernized** [Lau25]. **modular** [Pat24b]. **Molly** [Koz23c]. **Moment** [Gol23b, HF22]. **Moments** [Lau24a, PRR23]. **Momentum** [Kum21]. **Money** [Bow21]. **Monitor** [Kir25]. **monopoly** [Koz21a]. **Monthlong** [Zor25b]. **months** [Scu20b]. **Moon** [Jon24a, BD22, Fou21, LSM23, Zor22b]. **Moore** [Boy24, CPBZ21, Gol24h, Moo24d, Moo24b, Per20c, RK22, Smi22i, SSB25, Van23]. **Morgan** [Gen23b]. **Mortalities** [SB22a, Ano20-88]. **MOSbius** [Kin25]. **Most** [Ack23b, ALRW21, Cas24e, Lev21, Mar25c, Ano22-130, Smi22i]. **motion** [Rae20]. **Motor** [Der21h, GP22, Mar21k]. **Motorized** [Ham20d]. **Motors** [ROK24]. **mouse** [Cas24e]. **Mouse's** [Ano24-144]. **Mouse's-Eye** [Ano24-144]. **Move** [Gol25g, Moo23a, Str24a, Ack22b]. **Movement** [Bou21, Smi22l]. **Movie** [Smi21l]. **Moving** [Gob23, Gen24k]. **MPGs** [Sch23b]. **Mr.** [Per23]. **Much** [BF24, WB21]. **Muddy** [Sch22c]. **Muffling** [Lew23]. **Multiphysics** [Ano21-63, Ano20t]. **Municipal** [Jon24b]. **Muons** [Sch25b]. **murky** [Fou22]. **Musk** [Smi21f]. **must** [LSM23]. **mutates** [Ham20c]. **mute** [Ros20b]. **My** [Bro23c, Coo22, GK24, Mar24e, 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** [Gen24m]. **Nanostructures** [Gob23]. **Narrative** [Mar21i]. **narrow** [Fou21]. **NASA** [BBFS22, Der21f, Fou21, Fou22, GO22, JAR24, Jon24a, Pot20a, Pot24]. **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, Cas24f, Fit21, KH24, Web25, Cas20f, Gal21b, Gol24e, MMP22, Pan20, Ros20a]. **need-for-speed** [Ros20a]. **Needed** [MZR21]. **Needs** [BD22, Fit21, BSG22, Ham21]. **neighbors** [Ano20-66]. **Neira** [Gen25d]. **Nerve** [Dol23a]. **Nervous** [CZ25]. **Nest** [Has20b]. **nets** [Moo22b]. **Network** [BSAH21, Cha21b, FOSMD23, Fra21, Gen24j, Hig20f, Tow21, Fai24a, 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, Poo24a]. **Neuroprosthetic** [Str22b]. **Neurorights** [SG22]. **neurotech** [SG22]. **Neutrino** [Jon23i]. **Never** [Ack25b, Ama25, BS22]. **News** [ACDG21, ARPH22, ACLS22, And20b, AMK⁺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⁺21, BJZM24, CJGC24, CAM⁺25, CKG⁺21, CSB22, CKX⁺23, DUG⁺25, Dum20, Fai20a, Fai20b, Gal20a, Gar20, GHG⁺22, GMB⁺24, Gen24b, GCM⁺25, GDUF22, GAS⁺24, GPS⁺25, Ham20a, Ham20c, Hec20, HPHU21, Hsu20a, HCP⁺23, JPWB21, Koz20b, KPG⁺21, KPCA23, Lau23a, LSM⁺25, MLF⁺24, Moo20c, Moo20a, MJH⁺21, MDC⁺22, MHLC23, NS20, Nor20a, Ong20, Pat20, PPUS22, PMPG23, PCRC24, PLUM23, Per20a, Pot20b, Pot20a, PHR⁺25, Raf20a, Raf20b, RJSP25, RCAP23, Ras20a, Ras20b, Red20, Ros20b, RPC⁺23, SAS⁺21, Scu20a, SCPG22, SCPC23, SZCB24, SMTB25, Str20b, SCMP22, SGS⁺23, SHC⁺24, SHP⁺24b, Ulr20a, WAC⁺20, ZJL⁺24, ZSG⁺24]. **Next** [Dol25, Moo24b, Pal22, Pau22, Van23, Zor22b, Ano21-113, Ano22-58, Fai24a, Gui20, Koz24d, Ano20-68]. **Next-Gen** [Dol25, Pau22]. **next-generation** [Fai24a]. **Ng** [Str22a]. **Niche** [Cas22d]. **Nigeria** [Lau25]. **Night** [SC23, Sch24a, AF23, LSM23]. **Nile** [Smi20b]. **No** [Baj24, Cha20b, Jon23k, Kuh24, Lau23b, LA22, Sch21b, Ack21a, BMRW20, Has20a, Smi22d]. **No-Fuss** [Kuh24]. **no-tech** [Has20a]. **Nobelelist** [Mar22l]. **node** [Moo20d]. **nodules** [Sch22c]. **Noise** [Ros20b]. **Noise-canceling** [Ros20b]. **nonsense** [Moo20d]. **Nonspeaking** [JKW25]. **normal** [Per20d]. **North** [Ano20t]. **Nose** [Str22b]. **Nothing** [Gol22e]. **notices** [Cha20b]. **novel** [Gol24e]. **November** [Bro22b]. **now-famous** [Bou20]. **Nowhere** [Smi21e]. **Nuclear** [AL25, Baj22, Jon22h, Kon24, Mar25a, 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, Smi24].

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[Pes20c]

Pesce:2020:CTM**Perry:2025:BBH**

[Pes20d]

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