Title word cross-reference

$ [Ul20b]. 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].


3D [BF24, Moo22a, SC23].

5 [Ros20a]. 536 [Bre20]. 5G [Hig20i, Koz21b].

6G’s [Pou22].

75-Year-Old [Abb23].

= [BSAH21, Pal22].

A.A.C. [Smi20h]. Aakhilesh [Gen24c]. Aalyria [Koz23b]. Able [Smi21e].


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, Smi21c, And20c, Ano20i, Cri20, Fai21, Kum21, MW20, Moo21, Pat20, Uhr20b]. Battery [Bow21, GH23, Kum21, Mur23, Kum20].


Gen24g, Gen24h, Gen24i, Gol23f, Per20j, Per20m, Per20i, Sar20, Zor23a. cargo [DM20, Gal21a, Pat24b, Ros22d]. carry [Hec20]. Cars [Ack21a, Gen24c, Mar23k, WPBS23, And20g, Han20c, Pan20, RHBM22, Ulr20c].


Drivers [Arm20, Cha20a, NS20]. Duty [BBS23].

Duolingo [Cal22]. Dumpster driver [Hig20b].

Drills [CP21].

Dual-CPU [Kas23]. Dual [Kas23].

Dundon [Cal22]. Duo [SH22a].

DVDs [Nor20a]. Dynamic [SH22a].

Dynamics [Ack22b].


Earth-like [WB21]. Earthquake [Mar23j].


Editorial [Zor23b]. Edwin [Zor22c]. EE [Der23b]. Effect [Zor22c]. effective [Has20b]. efficiency [Sch21a]. Efficient [Cha21b, PSD22]. eighth [Ack24]. Eighth [Cas21d]. Eileen [Der23b]. Either [Cas23b, Cha23]. Election [Str24b].

Electric [Ano20-56, MMP22, Mar21k, Mar22i, Sma21e, Sma21j, Utr21, Utr22, Wal21, And20c, Ano20r, Ano20-69, Cri20, Gol22f, JAR24, Utr20b, Utr20c]. electric-vehicle [Gol22f]. electrical [Ano20-86]. Electricity [AF22, Ano20-45, Mar21i, Sma22a, Smi22f, Fai23b, Sma22g]. Electrified [GP22].

Electrifying [Der23a, Sch21d].


Electronically [Sch24b]. electronics [AMK+20, Som21]. Electrons [Boy24].


elusive [Cly22, Luc20a]. embed [Cas20d].

embedded [Ano20-90]. Embracing [Has20a]. emerged [Zor22a]. Emergency [Ano20-46, Ros22c]. Emerges [Moo23b].

Emissions [Sma22c, Gal21a, Gal21b].
Ros21]. faster-than-sound [Ros21], father
[Per20c]. Feasibility [Gol24a]. Features
[Go23g]. Feedback [Gan24]. Feel [Ack22a].
Feels [CHM21]. Fell [Ros22a]. Ferrite
[Cas22g]. Ferrite-Core [Cas22g]. fetch
[GA20]. few [LCBH20, ZL20b]. fewer
[Sca22]. Fi [Gol24g, Koz24d, Lew23, Cas22a,
Gol24a]. Hig20j, Zel20]. fibers [He20].

Fiction [Der21g, Jon22a, Zim21]. fieldwork
[Ham20a]. fight [Ras20a]. Fighter [Ros23a].
fighting [Der23c]. Figure [Jon22a].

Figured [Pau21]. figures [Mar20]. File
[PSD22]. film [Zel20]. filter [Ros20b].
Final [Ano20]. 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, Koz22b, Mar22i,
Ros22a, Ste21, SG22, Zor22a, And20b,
And20e, Fru20, Jon24a, Mar20c, Mar20d,
Pot20a, Sch22e, Zor23c]. first-person
[And20e]. Firsthand [Mar23k]. Fishing
[Her20]. Fission [Jon23d, And20d]. Fit
[Sm221]. fits [Mar20f]. five [Per23, Sca22b].
Fix [Sm21n, Str24a]. Fixed [Sm221].

Flares [Sch22a]. Fleet [Der22e, Raf20b].
flesh [SMD20]. Flexible [Der21e]. flier
[DM20]. fliers [Zor23c]. flies [Rae20].

Flight [Jon23j, Smi21e, Smi23b, Ano20-89,
CD21, Fos22, Ros21]. Flights
[Smi21e, Koz23d]. Flipper [Cas23b]. floor
[Sch22c]. Floppy [Ake23]. flourished
[Hoc22]. Flow [Cha24]. floor [SB22a].
fluctuations [Koz20c]. flurry [Pes21a].
Flux [GP22]. Fly [Cha21b, JAR24, Pot20a].
flyer [Pot20b]. Flying
[Ano20-49, Ros20a, Ros22d, Zor23a]. focus
[And20g]. focuses [Gol22]. fold [ZL20b].
followed [Sm22j]. Following [GOL24c].
Food [Sm22f]. Foosball [Col22].
Footprint [Sm22h]. foreshadows [Fai24].
foresight [SZ20]. Forest [Fit21, PN20].
forestry [Ano20f]. Forgetful [Cho21].

Forgotten [Mul24, Shi22, Sni22g]. 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, Mar22k, Mar22a,
Mar22b, Mar22c, Mar22d, Mar22e, Mar22f,
Mar22g, Mar22h, Mar23b, Mar23d, Mar23e,
Mar23f, Mar23g, Mar23h, Mar23i, Mar24b,
Mar24d, Mar24e, Mar24f, Bre20].

Forward [Mar24g]. Fought [Cal24]. Found
[SH22b]. Foundation [Ano20-70, Ano21-31].
foundry [Rak24a]. FPGA [Cas20f].
Fractional [AMK+20]. Fraden [Koz24b].
Frankel [Koz24a]. Free [Tho21a, Per20f].
freet [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,
Ano23-117, Ano23-118, Ano23-119,
Ano23-120, Ano23-121, Ano23-122, Ano24-70,
Ano24-71, Ano24-72, Ano24-73, Ano24-74,
Ano24-75, Ano24-76, Ano24-77, 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,
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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, Sch22c]. Fuel
[Sch23b, Smi22f, Svr23, Gal21a, Smi22k].
Fuel-Economy [Sch23b]. fuelless
Iconic [Mar23c]. Icy [Cha21a]. ID [Gen23e].
ideal [Zor20]. ideas [Cly20]. Identifies
[Koz23a]. identities [RS23]. identity
Images [Koz23a, Sch23c, Sch24b].

Just [BF24, Koz23c, Pat23b, MS22].


Knowledge [Mar23k]. Known [Mar23c]. Korea [Kim22]. KrakenSDR [Cas22b].

L [Der23d]. lab [Ham20a, Hec20, Tem20, Moo23b]. Lags [Smi22a]. laminography [LA22]. lamps [And20b]. Land [Bar24, DM20, Ulr22].

landing [Fou21]. Lane [WPBS23]. Language [Cas22c, BBS23]. language-learning [BBS23]. Lapse [Sch23c].

Laptop [Smi22a, Mar20c]. large [Per20, VH20]. Larry [Per20]. Laser [BVKR23, Mar22, NY24, Moo23b].


last [Som21]. Lasted [Shi22]. lasting [Ano20]. Later [SB22a, Moo20d, Smi23b].

Latest [JPWB21, MJH+21, SAS+21, Cas20i, CGK+21]. Lattice [BBFS22]. Launch [Fou22, GO22, Pot20a, Sto20]. launched [Bro22b].

Law [BSAH21, Der23d, Smi22i, Boy24, BSAH21, CPBZ21, Moo24b, Per20c, RK22, Van23].


Leap [Cho23, Zor22b]. Leapfrog [Rak24a].
Boy24, Van23. Little
Coo21, Mar23c, Mar22]. Liu [Wal24a].
Live [Mar23c]. lively [Ano20-82], lives
Ong20. Living [De 22].
load
DM20, Han20d]. 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
[Tei23, Ano21-27, Ano22-55]. Look
[Tei23, Ano21-27, Ano22-55]. Loop
Ack23a, Bro21, Sch20b, loopholes [Hoc22].
LoRa [Cas24c]. LoRa-based [Cas24c]. lose
[Per20]. Lot [Coo21, Cas20d, Cas20f]. Love
[Cas23b, Cas22a]. loving [Der22b]. Low
[Bow21]. Low-Dropout [Bow21]. Lower
[Str23]. lunar [LSM23]. Lukr [Cas23c].
luxury
[GA20, Has20b].
Mach [Ros20a, Sch21e]. Machine
[Ano21-125, Ano21-126, Bro23a, Bro22c,
Bro22b, Bro22d, DHOW20, GH23, Hig20d,
Mar24e, Pau21, RZ21, SB22b, SB22e, Str22a,
Van23, Cas20d, Cas23a, HPK22].
Machine-Learning [Str22a, Cas20d].
machines [AG20, Smi20c]. Macro
[HP21a, HP21b, HP21e, HP21f, HP21c,
HP21d, Pes20a, Pes20b, Pes20c, Pes22,
SP21a, SP21b, SP21c]. Made
[Cas21c, Cha21a, Gol24e, Arm20, Hsu20a,
Per20, Wea20]. Madman [Per22a]. Magaly
[Der22d]. Magazine [Ano21-27]. Magdalene
[Der22e]. Magic [Gen23a].
Magnetic [Shi22]. Magnetometer
[Sch22d]. Magnets [BBFS22]. Mail
[Mar21b]. Mainspring [Sr23]. Major
[Der21f, Pan21, Cyl20]. Make
[BVKR23, Bro23a, Der22d, Gol22a, Gol23g,
Kim22, LH24, Lew20, Pat23b, Pat24a, RZ21,
AS22, Ano20-66, Ba22, Fai23b, Has20a,
Hus24, Jes21, Koz21b, Moo24c, Pat20,
Pat24b, Per20b, PSD22]. Makeover [Ulr22].
Maker [Jon24b]. Makers [Cas24c, Hsu20a].
Makes [Coo21, Gen23d, Tho21a, Cas20d,
Gen24i, Hut21]. Making
[Bro22a, Fai23b, Gol24e, HVW20, Hig20c,
Gol23d, Hut21, Per21b]. male [Per20b].
Maluta [Der22e]. Malware
[Ham20c, Sha23]. Man
[Koz24a, Mar23c, Abb23, Reg23].
Managing [Cha20a]. Manan [Gen24f].
manifests [Str24b]. manufacture [Gib21].
Manufacturers [ACDG21, Pes21b]. Many
[BVKR23, And20h, Hut20]. Map [Tow21].
Marcellus [Der21f]. Maria [Der22f].
marine [Der22h]. Mark [Cho23]. Market
[Ash23, Gen24b, Has20b]. Mars
[Cas20c, Pot20a]. masks [Pre20]. Mass
[Smi23a, Has20b]. mass-market [Has20b].
Mass-Produced [Smi23a]. Masses
[Gen23e, Per22b]. Massive [BBFS22].
Masterpiece [Jon22d]. Masthead
[Ano21-124, 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,
Ano24-78, Ano24-79, Ano24-80, Ano24-81,
Ano24-82, Ano24-83, Ano24-84, Ano24-85].
match [Smi22k]. Materials
[ROK24, WA24]. Math [Cho21]. MATLAB
[Ano21-128, Ano22-50]. Matrix [SZ23].
May
[Pat23b, Pot20b, Pow24, Smi23c, Ano21-113,
Chair24, Gol23b, Ros21, Sch22e, ZL20b].
Mayflower [And20a]. McDonald
[Ano20-87]. Me
[Ano22-122, Bro23c, Sha23, Ano21-116].
mean [AMK+20, Der20]. Means [Ack22c].
Meanwhile [Ano20-85]. Measure
[Mar23j, Smi21n]. Measures
[Smi22h]. Meat-Eating [Smi22h].
Mechanical [Ano24-86, Mie22]. Media
[Str24b, Nor20a]. Medical
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[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
[Cas20c]. Other
[Bro22d, Gol23g, RZ21, Mit20]. Our
[Ano21-122, Ano21-124, Cas20i, Cas21d,
Gol23e, Gol23g, MZR21, Smi22d, Ano20-72,
Ano20-73, RS23, WB21]. outposts [LSM23].
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Overnight [Bro22a]. Oversees [Der21f].
Overtake [Ack21a]. Own
[Cas22g, Sch23c, Szk21, WB21]. oxide
[Jac21].

Pac [Reg23]. Pac-Man [Reg23]. Package
[Rab22]. Packetizing [AFH22]. packs
[Cas20d]. paid [Per20b]. Painless [Cas20f].
Painting [Fra21]. Pallets [Ros22d]. Pan
[Bro22b]. Pancreas [KK21]. Pandemic
[ALRW21, Ano20-88, Hig20g, Pes21a,
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Per20d]. pandemics [Y20]. Panels
[WA24]. Paper [HF22]. Parachute
[Ros22a]. Paradox [Smi21n]. Parcel
[Smi22f]. Paris [Lant24]. park [Fat20b].
Part [Smi22f, SH22b, Cas22f]. Particle
[Boy24, Gen24j, Arm20, Gar20].
particle-accelerating [Gar20]. particles
[AMK+20]. Partridge [Der22b]. passes
[Gar20, Koz20c]. Passive [Cas22b].
Password [Coo22]. Past
[Ano20-134, Bre20, Bro23b, Cho23, Cor21b,
Goo23b, Mar20a, Mar20b, Mar20c, Mar20f,
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Patch [Sha23]. Path [KH24, LW24].
Pathfinder [Koz23d]. Paths [Moo22a].
patients [Ano20-68, Arm20]. Patryk
[Gen24g]. pattern [Smi22j]. Pay
[Cal24, Per21c, Per20b]. PC [Bro23a]. PCB
[RG20]. Peak [Smi20f]. Pedaling [Sch20c].
Peer [PSD22]. Peer-to-peer [PSD22].
Peering [Pes21a]. People
[Ack23b, SH22b, Ano20-68, Fou21, Gol22d,
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[McC20]. Percent [KH24]. perform [AG20].
Performance [Poo24, Moo20b, Moo22b].
Perhaps [Baj22]. Peril [Sch21e]. Perilous
[Mar21i]. Perry [Gol23f, Gol24b].
Perseverance [Pot20a]. person [And20c].
Personal [Der22e, Pot20b]. perspective
[Ano20-47]. Peter [Gen23c]. Pets [Fit21].
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[Tho21a]. Photon [Ano20-89]. Photonic
[Ham21, NYI24]. Photonics
[BVKR23, Cho20]. Photons [SC23].
physics [Arm20]. Pi
[Sch23a, Cas21c, Ros22b, Sch23c]. Pi-Based
[Sch23a]. Pichardo [Der22d]. Pico
[Ros22b]. Picture
[Ano21-53, Ano21-54, Ano21-55, Ano21-56,
Ano21-51, Ano21-52, Ano21-114, Ano21-136,
Ano22-56, Ano22-57, Ano22-58, Jon22f]. Pie
[Smi22h]. pieced [Bou20]. Piezoelectrics
[Gan24]. Pillai [Goo23a]. Pilot
[Ros23a, Ong20, Sch22c]. Pilots [Ros22d].
Pitch [Cly22]. Pioneer [Str22a].
Pioneering [Moo23a, Moo21]. pivot
[Per22a]. Pixar [Smi21]. Placentas
[Zim21]. places [And20a]. plain [MS22].
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Planet
Restore [Bon21]. Restoring [Mos22].

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Revamping [Jon22d]. Revealed [Ack23a]. Revealing [Cho21]. revenue [Der22c].

reverse [Cas20h]. review [Raf20a].

Revolution [Usk21, Fun20]. Revolutionize [AZPC22]. revolutionized [Per20o].

revolutions [CFPP22]. rewards [Ano20-93]. RF [Zor20]. Rich [CP21, Jon22e, Sch22c]. Riddled [Bau24].

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Rises [Per21c]. rising [Smi22i].

Risks [Mar23k]. Risky [Ros23a]. Rival [Shi22, Fon22, Pal22].

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rollovers [Per22a]. Roomba [Jon22g, Mar20g]. rooms [Ano20-68].

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Sackbut [Mar24a].

Safe [ACDG21]. safeguard [RS23, SMD20].

Safety [Der21h]. salad [Gui20].

salaries [Per21c]. salary [Per22c].

sale [SG22]. salivate [Koz21a].

salmon [Nor20b].

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Satiate [Gol24f].

Say [ACDG21, AS22, Gal21b].

Says [Str22a, DM20].

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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, Kat24a, Has20b].
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Technicolor [HF22]. Technologies [GOL24c, Gol23d, LG20, Pal22].
technologists [BS22]. Technology [Der23d, JPWB21, Jon23a, LW24, MJH+21, SAS+21, Ano20-100, CKG+21, Gol22d, Gol22e, Gol22f, Hsu20b, Lee20, Smi22i].
technophobes [Per20g]. teenager [Sha23]. Tekla [Gol23f, Gol24b]. telecom [Koz21a]. Telepresence [Ack23a].
temperature [Clo23]. 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 [Gai21b, NG23]. text [Lau23b]. Textiles [CP21].
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Their [Cal24, Gal21a, Gol23d, NS20, Per20b].
Them [BVK23, 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 [BVK23, Pes21b, Str24a]. Thinks [Cha23].
Third [FBI23, Per20c, Shi22]. Thomas [Der21d].
thousand [Cas20b]. Thousands [Smi21e, Jes21, Koz21]. threatened [Sha23]. threats [Der23c]. Three [Pou21, Moo20b].
Threshold [BS22].
threads [Ano20-68]. throughout [Moo20c]. Throw [MW20]. thrust [Rae20]. Thwart
Universe [Gen22, HPK22, Jon23].
universities [Cly20]. University
[Ano20-101, Pat23a, Der22c]. unleash
[Gold22b]. Unsustainable [TGLM21]. until
[Cha20b,Fra20]. Unused [FBMI23]. Unveil
[Gold23e]. unveils [Per20]. up-and-down
[Rae20]. Upcycling [Cas22f]. Upon
[Sch22e]. Ups [Moo21]. Upside [Bro22c].
uranium [Mar20e]. urban [Per20]. USA
[Per22c]. Use [SHP24, Sch23c, Sni21j,
HH24, Pou22, Ras20b, Szk21, YS20].
use-anywhere [YS20]. used [Hsu20a]. user
[Der20, Gold22c, Per20a]. users [Hsu20a].
uses [Cho20, Zor20]. Usher [Wal21, Ros21].
Using [LH24, Pre20, ROK24, RHHM22,
Cas20e, Dum22, Koz23b, Per20f, Per20e].
usual [Pes20d]. Utrecht [Dum22]. UV
[And20h, Cas24d]. UV-K5 [Cas24d].

Vaccinate [Gib21]. vaccine
[Sch20a, Wal20a]. Vaccines [Wal21, Wal22].
Vacuum [Shi22, Arm20]. Valley
[Gold24b, Per20m, She24]. Valuable
[WAA4, Tem20]. value [Fou22, Per20h].
Vanns [Gen23a]. Variants [Wal22]. variety
[Pat22]. Varkey [Sac20]. Vast
[Der22d, Fai20b]. Vastly [Wat24]. VC
[Der22a, Der23b]. vector [Cas20e].
vector-graphics [Cas20e]. Vegan [Sni22h].
Vehicle
[Dum22, Eis23, Gold22f, MMP22, Ong20].
Vehicle-to-Grid [Dum22, Eis23, Gold22f].
Vehicles
[Der23a, Ros23a, Sni21f]. And20c. Ano20i.
LG20, Ong20. Red20, Uri20b. Wea20].
Venus [Ano24-88, MZ21r]. verse
[LCBH20]. Versions [Bow21]. vertical
[DM20]. vertical-takeoff [DM20]. very
[GA20]. vessel [Wal24b]. VHF [The21a].
via [Lau23b, Wal24b]. vicious [And20h].
Video [Gen23d, Lau24, Sni23b].
videoconferencing [Sch20d]. videos
[Hec20]. vie [Ack24]. View
[Ano24-87, Jag22]. Vince [Koz24c]. Vint
[Per23]. vintage [Sch23b]. Violence
[Moo20c]. violin [Ano20-50]. virtual
[Ano20-102]. virtually [Per20a]. viruses
[And20h]. Vision
[GH23]. vodka [Ano20-100]. Voiceprinting
[Sm23c]. Voices [Sm23c]. Voltage
[Bow21, Fai24]. voits [Jes21]. Volume
[Lew23]. votes [Hig20e]. voyage [And20a].
VR [Per20]. WAC20]. vs [Hig20g].
Vulnerability [Hub24, RG20]. vying
[Cly20].

Wage [Per20]. Waiting [Har21, Sni22k].
Waits [Koz21a]. Wallet [Per22b, ZL20b].
Wanamaker [Bar20]. Wandering [Pow24].
Want [FBMI23, Per20h]. Wanted
[Jon22b, Raf20b, Ano20-95, Cas20g]. wants
[AG20, Ack21b, Per22b]. War
[Sm22f, Arm20]. Warehouse [Ack22b].
warn [Hsu20c]. Wars [Laz22, Mis23]. Was
[Hec22, Bro22b, Cas20h, Fru20, Sm23b].
Washing [Pre20]. waste [Kum21]. Watch
[And20f, Ano20-91, Ham20d, Ham20b,
Hsu20c, Wal20b]. Watchdog [Fit21]. Watts
[Pat23b]. Wave [AZPC22, Koz20c]. waves
[Gal20a]. Way
[Cab24, Sca22, Koz21a, Sch20b, Str21].
Ways
[BVKR23, Cho21, Fou21, Mox20a, RG20].
Weaning [JJS22]. Weapons [Pat23b].
Weapons-Grade [Pat23b]. wear
[Sch20b, ZL20b]. Wearable
[KK21, Mar24f, MW20]. Wearables
[Bou21, Per21a]. wearing [Pre20]. Weather
[Sch22a, Sch22b, Tow21]. Weave [Cas22g].
Weaving [Mar20]. Web [Pat22].
Web-Enabled [Pat22], Web3 [Koz23c].
Webb [Sch21b, HPK22]. Website [Gold21].
weeks [Ano20p]. Weight [GP22]. Weird
[Ano23a, Cas22f, MS22]. We’ll
[Gold24d, FOSMD23, Ros23b, Pes21a].
Well-Conntected [FOSMD23]. wells
We're west We've [GOL24c]. Where [BMRW20, Jon23k, Sch21b, Per20h]. wherever [Per20h]. Whether [Fra21]. while [Ras20b, Sch20d]. white [Per20b, Koz23c]. Who [Ack23b, BSG22, Cal24, Gol23g, Gol24g, HP20, Jor21, Gen24h, Per20o, Sch20b]. Wi [Koz24d, Hig20j, Zel20]. Wide [Mis23, Smi21e]. Wide-Bandgap [Mis23]. Wide-Body [Smi21e]. Wiggling [Boy24]. wild [Ano20f]. Wildfire [Fit21]. Will [And20b, And20i, Baj22, Cho23, CPBZ21, Dol23a, Fou22, Gol24f, Mis23, Smi23a, Ack20, Ack21a, AS22, BS22, Bow21, BSAH21, Cly22, Dumm, Dumm23, Fou21, Fun20, GOL24c, Gen24a, GO22, GA20, Has20a, Hut20, Koz23d, KH24, Lau23b, MW20, Mit20, Moo22b, Moo22c, MD23, Pal22, Pan20, Pat22, Pot20a, Ros22c, Ros22d, Sch21b, Sch22c, Smi22h, Sto20, VH20, WPBS23].


References

Abbott:2023:FSM


Ackerman:2021:THS


Ackerman:2020:EWO


Ackerman:2021:RTO


Ackerman:2021:DLG


Ackerman:2022:HRC


Ackerman:2022:RWJ


Ackerman:2022:RCU

REFERENCES


[AF23] Sid Assawaworrarit and Shan-hui Fan. The coldness of space can power earth: We can hack thermodynamics to cool buildings and light up the night. *IEEE Spectrum*, 60(12):40–45, December 2023. CODEN IESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


[AG20] E. Ackerman and E. Guizzo. A robot that keeps it simple:

Akesson:2023:CTC


Acuto:2021:WWL


Anderson:2020:FPC


Anderson:2020:BVA


Anderson:2020:EAM


Anderson:2020:EBS


Anderson:2020:PSG

Anderson:2020:PTP


Anderson:2020:RAS

[And20g] M. Anderson. The road ahead for self-driving cars: The AV industry has had to reset expectations, as it shifts its focus to level 4 autonomy — [news]. *IEEE Spectrum*, 57(5):8–9, May 2020. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anderson:2020:UOG


Anderson:2020:WCA


Anonymous:2020:Aa


Anonymous:2020:Ab


Anonymous:2020:Ac


Anonymous:2020:Ad


Anonymous:2020:Ae


Anonymous:2020:AAF

Anonymous:2020:ALS


Anonymous:2020:AAA


Anonymous:2020:AVR


Anonymous:2020:BCa


Anonymous:2020:BCb


Anonymous:2020:BCc


Anonymous:2020:BCd


Anonymous:2020:BICa


Anonymous:2020:BICb


Anonymous:2020:BPA


Anonymous:2020:BPB


Anonymous:2020:BEB

Anonymous:2020:SBB


Anonymous:2020:CCN


Anonymous:2020:CFC


Anonymous:2020:Ca


Anonymous:2020:Cc


Anonymous:2020:Ce


Anonymous:2020:Cg


Anonymous:2020:Ci


Anonymous:2020:Cr


Anonymous:2020:Cn


Anonymous:2020:Cp

REFERENCES


Anonymous:2020:Cu


Anonymous:2020:Cv


Anonymous:2020:CIG


Anonymous:2020:EPC


Anonymous:2020:EBN


Anonymous:2020:EPB


Anonymous:2020:FRB


Anonymous:2020:FFF


Anonymous:2020:VPC


Anonymous:2020:FFL


Anonymous:2020:FCa

REFERENCES

Anonymous:2020:FCb

Anonymous:2020:FCh

Anonymous:2020:FCc

Anonymous:2020:FCi

Anonymous:2020:FCd

Anonymous:2020:FCj

Anonymous:2020:FCe

Anonymous:2020:FCk

Anonymous:2020:FCf

Anonymous:2020:FICa

Anonymous:2020:FCg

Anonymous:2020:FICb
Anonymous:2020:FICc


Anonymous:2020:GGM


Anonymous:2020:HL


Anonymous:2020:HRB


Anonymous:2020:DCE


Anonymous:2020:IFR


Anonymous:2020:IMD


Anonymous:2020:ITOa


Anonymous:2020:ITOb


Anonymous:2020:IBCa


Anonymous:2020:IBCb

REFERENCES


Anonymous:2020:IFCa


Anonymous:2020:IFCb


Anonymous:2020:IOT


Anonymous:2020:ICF


Anonymous:2020:TBS


Anonymous:2020:LTG


Anonymous:2020:LLNb


Anonymous:2020:LLNa


Anonymous:2020:LD


Anonymous:2020:MBE


Anonymous:2020:NFS

Anonymous:2020:OMS

Anonymous:2020:PMM

Anonymous:2020:PFN

Anonymous:2020:PIA

Anonymous:2020:PSR

Anonymous:2020:PPB

Anonymous:2020:RME

Anonymous:2020:SSC

Anonymous:2020:SWS

Anonymous:2020:SSHa

Anonymous:2020:SSHb
REFERENCES

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2020:TC

Anonymous:2020:TTP

Anonymous:2020:TCD

Anonymous:2020:UUC

Anonymous:2020:WAR

Anonymous:2020:WBRa

Anonymous:2020:WBRb

Anonymous:2021:AGH

Anonymous:2021:Aa

Anonymous:2021:Ab

Anonymous:2021:Ac
<table>
<thead>
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Anonymous:2021:Aq

Anonymous:2021:Ar

Anonymous:2021:As

Anonymous:2021:At

Anonymous:2021:Au

Anonymous:2021:Av

Anonymous:2021:Aw

Anonymous:2021:Ax

Anonymous:2021:Ay

Anonymous:2021:Az

Anonymous:2021:ABS

Anonymous:2021:ACa
Anonymous. Advertisement: COMSOL. IEEE Spectrum,
REFERENCES

Anonymous:2021:ACSa


Anonymous:2021:ACSb


Anonymous:2021:AIF


Anonymous:2021:Ad


Anonymous:2021:BCa


Anonymous:2021:BCb


Anonymous:2021:BCc


Anonymous:2021:BCd


Anonymous:2021:BCe


Anonymous:2021:BCf


Anonymous:2021:BCg


Anonymous:2021:BICa


Anonymous:2021:BPBa


Anonymous:2021:BPD


Anonymous:2021:BPS


Anonymous:2021:BPT


Anonymous:2021:IAAa


Anonymous:2021:IAAb


Anonymous:2021:PIA


Anonymous:2021:Cc


Anonymous:2021:CAa


Anonymous:2021:CDG


Anonymous:2021:CMA

REFERENCES

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2021:Ca

Anonymous:2021:Cd

Anonymous:2021:Cf

Anonymous:2021:Ch

Anonymous:2021:Ck

Anonymous:2021:Co

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2021:Cq

Anonymous:2021:Cs

Anonymous:2021:Cu

Anonymous:2021:Cw

Anonymous:2021:Cy

Anonymous:2021:Cba
2021. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2021:Cb

Anonymous:2021:Ce

Anonymous:2021:Cg

Anonymous:2021:Ci

Anonymous:2021:Cj

Anonymous:2021:Cp

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2021:Cr

Anonymous:2021:Ct

Anonymous:2021:Cv

Anonymous:2021:Cx

Anonymous:2021:Cz

Anonymous:2021:Cbb
Anonymous:2021:Cj

Anonymous:2021:CM

Anonymous:2021:Cn

Anonymous:2021:DBD

Anonymous:2021:FCa

Anonymous:2021:Fc

Anonymous:2021:FCc

Anonymous:2021:FcD

Anonymous:2021:FCe

Anonymous:2021:FCh

Anonymous:2021:FCg

Anonymous:2021:FCh
REFERENCES


|-----------------|---------------------------------------------------------------------------------------------------------------------------------|

Anonymous:2021:R


Anonymous:2021:RPS


Anonymous:2021:SCCb


Anonymous:2021:SCCa


Anonymous:2021:SN


Anonymous:2021:SCSa


Anonymous:2021:SCSb


Anonymous:2021:SDC


Anonymous:2021:TTS


Anonymous:2021:WBRa


Anonymous:2021:WBRb

REFERENCES

Anonymous:2022:Aa

Anonymous:2022:Ab

Anonymous:2022:Ac

Anonymous:2022:Ad

Anonymous:2022: Ae

Anonymous:2022:Af

Anonymous:2022:Ag

Anonymous:2022:Ah

Anonymous:2022: Ai

Anonymous:2022:Aj

Anonymous:2022:Ak

Anonymous:2022:Al
REFERENCES

2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Am

Anonymous:2022:An

Anonymous:2022:Ao


Anonymous:2022:Aq

Anonymous:2022:Ar

Anonymous:2022:As

Anonymous:2022:At

Anonymous:2022:Au

Anonymous:2022:Av

Anonymous:2022:Aw

Anonymous:2022:Ax
Anonymous:2022:Ay


Anonymous:2022:Az


Anonymous:2022:Aba


Anonymous:2022:Abb


Anonymous:2022:Abd


Anonymous:2022:Abe


Anonymous:2022:Abf


Anonymous:2022:Abg


Anonymous:2022:Abh


Anonymous:2022:Abi


Anonymous:2022:Abj


Anonymous:2022:Abk

References

IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Abl


Anonymous:2022:Abm


Anonymous:2022:Abn


Anonymous:2022:Abo


Anonymous:2022:Abp


Anonymous:2022:Abq


Anonymous:2022:Abr


Anonymous:2022:Abs


Anonymous:2022:Abt


Anonymous:2022:ABCa


Anonymous:2022:ABCb


Anonymous:2022:AFIb

REFERENCES

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:AFIa


Anonymous:2022:AMB


Anonymous:2022:AZI


Anonymous:2022:BC


Anonymous:2022:BICa


Anonymous:2022:BICb


Anonymous:2022:BSL


Anonymous:2022:BPE


Anonymous:2022:BPS


Anonymous:2022:BPW


Anonymous:2022:IAA

REFERENCES

DEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Ca


Anonymous:2022:Cc


Anonymous:2022:Cd


Anonymous:2022:Ce


Anonymous:2022:Cf


Anonymous:2022:Cg


CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Ch


Anonymous:2022:Ch


Anonymous:2022:Cib


Anonymous:2022:Cib


Anonymous:2022:Cbs


Anonymous:2022:Cbs

REFERENCES

2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Cb


Anonymous:2022:Cd


Anonymous:2022:Cf


Anonymous:2022:Ch


Anonymous:2022:Ck


Anonymous:2022:Cp


CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Cu


Anonymous:2022:Cz


Anonymous:2022:Cbe


Anonymous:2022:Cbj


Anonymous:2022:Cbo


Anonymous:2022:Cbt

REFERENCES

2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:Cbf


Anonymous:2022:Cbk


Anonymous:2022:Cbp


Anonymous:2022:Cbu


Anonymous:2022:Cr


Anonymous:2022:Cbl


Anonymous:2022:Cw


Anonymous:2022:Cbb


Anonymous:2022:Cbg


Anonymous:2022:Cbl


Anonymous:2022:Cbq


Anonymous:2022:Cbv
REFERENCES

Anonymous:2022:FV

Anonymous:2022:FCa

Anonymous:2022:FCb

Anonymous:2022:FCc

Anonymous:2022:FCd

Anonymous:2022:FCe

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2022:FCf

Anonymous:2022:FCg

Anonymous:2022:FCh

Anonymous:2022:FCi

Anonymous:2022:FCj

Anonymous:2022:FCk
REFERENCES

Anonymous:2022:FCI


Anonymous:2022:FIC


Anonymous:2022:IMB


Anonymous:2022:IMD


Anonymous:2022:Ma


Anonymous:2022:Mb


Anonymous:2022:Mc


Anonymous:2022:Md


Anonymous:2022:Me


Anonymous:2022:TT


Anonymous:2022:TPP

REFERENCES

Anonymous:2022:WBRa

Anonymous:2022:WBRb

Anonymous:2023:QJS

Anonymous:2023:Aa

Anonymous:2023:Ab

Anonymous:2023:Ac

Anonymous:2023:Ad

Anonymous:2023:Ae

Anonymous:2023:Af

Anonymous:2023:Ag

Anonymous:2023:Ah

Anonymous:2023:Ai
Anonymous:2023:Abt


Anonymous:2023:Abz


Anonymous:2023:Abu


Anonymous:2023:Acb


Anonymous:2023:Abv


Anonymous:2023:Acb


Anonymous:2023:Abw


Anonymous:2023:Acc


Anonymous:2023:Abx


Anonymous:2023:Acd


Anonymous:2023:Aby

REFERENCES

Anonymous:2023:Cc

Anonymous:2023:Ch

Anonymous:2023:Cm

Anonymous:2023:Cr

Anonymous:2023:Cw

Anonymous:2023:Cbb

Anonymous:2023:Cbfi

Anonymous:2023:Cbi

Anonymous:2023:Cbn

Anonymous:2023:Cbs

Anonymous:2023:Cbx

Anonymous:2023:Cba
REFERENCES

Anonymous:2023:Cf


Anonymous:2023:Ck


Anonymous:2023:Cp


Anonymous:2023:Cu


Anonymous:2023:Cz


Anonymous:2023:Cbl


Anonymous:2023:Cbq


Anonymous:2023:Cbv


Anonymous:2023:Cd


Anonymous:2023:Ci


Anonymous:2023:Cn


Anonymous:2023:Cb

REFERENCES

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2023:Cx**


**Anonymous:2023:Cbc**


**Anonymous:2023:Cbo**


**Anonymous:2023:Cbt**


**Anonymous:2023:Cby**


**Anonymous:2023:Cc**


**Anonymous:2023:Cj**


**Anonymous:2023:Cbo**


**Anonymous:2023:Ct**


**Anonymous:2023:Cj**


**Anonymous:2023:Cbd**


**Anonymous:2023:Cbp**

REFERENCES

ISSN 0018-9235 (print), 1939-9340 (electronic).


REFERENCES

Anonymous:2024:Af


Anonymous:2024:Ag


Anonymous:2024:Ai


Anonymous:2024:Aj


Anonymous:2024:Ak


Anonymous:2024:A1


Anonymous:2024:A2


Anonymous:2024:A3


Anonymous:2024:A4


Anonymous:2024:A5


Anonymous:2024:A6

Anonymous:2024:Ar


Anonymous:2024:As


Anonymous:2024:At


Anonymous:2024:Au


Anonymous:2024:Av


Anonymous:2024:Aw


Anonymous:2024:Ax


Anonymous:2024:Ay


Anonymous:2024:Az


Anonymous:2024:Aba


Anonymous:2024:Abb


Anonymous:2024:Abc

2024. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Anonymous:2024:Ck**


**Anonymous:2024:Cd**


**Anonymous:2024:Cp**


**Anonymous:2024:Ci**


**Anonymous:2024:Cu**


**Anonymous:2024:Cn**


**Anonymous:2024:Cz**


**Anonymous:2024:Cs**


**Anonymous:2024:Cbc**


**Anonymous:2024:Cx**


**Anonymous:2024:Cbj**


**Anonymous:2024:Cbc**

REFERENCES

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2024:Cbh

Anonymous:2024:Cbf

Anonymous:2024:Cg

Anonymous:2024:Cbk

Anonymous:2024:Cj

Anonymous:2024:Cj

Anonymous:2024:Cq

Anonymous:2024:Cq

Anonymous:2024:Cv

Anonymous:2024:Cv

Anonymous:2024:Cba

Anonymous:2024:Cba
REFERENCES

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:2024:Cbb

Anonymous:2024:Cbg

Anonymous:2024:Cbl

Anonymous:2024:Ca

Anonymous:2024:Fc

Anonymous:2024:Fca

Anonymous:2024:Fcc

Anonymous:2024:Fcd

Anonymous:2024:Fce

Anonymous:2024:Fcf

Anonymous:2024:Fcg

Anonymous:2024:Fch
Anonymous:2024:Ma

Anonymous:2024:Mb

Anonymous:2024:Mc

Anonymous:2024:Md

Anonymous:2024:Me

Anonymous:2024:Mf

Anonymous:2024:Mg

Anonymous:2024:Mh

Anonymous:2024:MM

Anonymous:2024:MEV

Anonymous:2024:TVE

Anonymous:2024:TT


Baur:2024:URL


Baramsai:2022:NNS


Bicknell:2023:HDA


Balossino:2022:MND


Beane:2022:TRS


Barth:2024:IMT


Bajema:2021:N


Bajema:2024:N


Bilen:2020:WNR

no radio has gone before: Cognitive radios can keep deep-space missions connected to earth even when faced with alien environments. IEEE Spectrum, 57 (8):44–50, August 2020. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


Rodney Brooks. The long road to overnight success: Reusable rocket boosters were decades in the making. IEEE Spectrum, 59(4):20–21, April 2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Brooks:2022:MMN


Brooks:2022:MMB


Brooks:2022:MMO


Brock:2023:PF


Biercuk:2022:QEC


Burr:2021:OLK

REFERENCES


Stephen Cass. Top programming languages: Our eighth annual probe into what’s hot and not.
REFERENCES


REFERENCES


Czerwinski:2021:BAF


Choi:2020:PUT


Choi:2021:RWA


Choi:2023:IQL


Choi:2021:NLD


Clynes:2023:N


Clynes:2020:BIF

Clynes:2022:PFZ


Clynes:2023:CKHb


Cohen:2022:GWW


Cook:2021:HWG


Cook:2022:MPS


Cortada:2021:EQ


Cortada:2021:PFT


Cherston:2021:SDS


Cline:2021:PBB

Crittenden:2020:UBE


Crocker:2020:CPH


Choi:2022:N


DeHaro:2022:LC


Degertekin:2024:HUB


Dern:2020:MGI


Dern:2021:Ca


Dern:2021:Cb


Dern:2021:Cc


Dern:2021:ESS


Dern:2021:SSF

[Der21e] Daniel P. Dern. From spacecraft to sensor fusion: Disparate

**Dern:2021:MPN**


**Dern:2021:BDH**


**Dern:2021:SSG**


**Dern:2021:AGV**


**Dern:2022:CPM**


**Dern:2022:CPM**


**Dern:2022:HPU**


**Dern:2022:MSP**


**Dern:2022:MMS**


[Dol23b] Elie Dolgin. Different types of brain stimulation may reduce cravings. *IEEE Spectrum*, 60
REFERENCES


REFERENCES


REFERENCES


[Gal20b] M. Gallucci. What to do with 177 giant tanks of radioactive

**Gallucci:2021:ASA**


**Gallucci:2021:CSF**


**Ganju:2024:PED**


**Garisto:2020:NPA**


**Gent:2024:N**


**Gent:2022:N**


**Gent:2023:CJI**


**Gent:2023:CMP**

Edd Gent. Careers: Morgan Pope: This Disney roboticist brings superheroes to life. *IEEE
REFERENCES


W. W. Gibbs. This is how to vaccinate the world: We can manufacture and distribute enough doses to protect humanity from COVID-19. *IEEE Spectrum*, 58(1):32–37, January 2021. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


Robert Gobron. Nanostructures transform tiny cameras: Thin
REFERENCES


**Goldstein:2021:YNI**

**Goldstein:2022:ACH**
Harry Goldstein. AI can help make recycling better: But only humans can solve the plastics problem. *IEEE Spectrum*, 59(7):2, July 2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Goldstein:2022:AHH**
Harry Goldstein. AI helps humans level up: Chess players and programmers now have access to tools that can improve skills and unleash creativity. *IEEE Spectrum*, 59(11):2, November 2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Goldstein:2022:DCE**

**Goldstein:2022:HWC**

**Goldstein:2022:NAU**

**Goldstein:2022:WVT**

**Goldstein:2023:AEA**


REFERENCES

Goldstein:2024:FWS

[HOL24c] HARRY GOLDSTEIN. The future we saw coming is now: Technologies we've been following for years will be huge in 2024. IEEE Spectrum, 61(01):4, January 2024. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Goldstein:2024:GTW


Goldstein:2024:MCT


Goldstein:2024:MCS


Goldstein:2024:SFH


Goodrich:2023:APE


Goodrich:2023:PF


Guedes-Pinto:2022:AFM


Guizzo:2020:YNS


Hampson:2020:CDR

[Ham20a] M. Hampson. COVID-19 disrupts research plans: The coronavirus pandemic has interrupted...

**Hampson:2020:MMJ**


**Hampson:2020:MMM**


**Hampson:2020:MBL**


**Hamerly:2021:FDL**


**Harris:2022:RST**


**Hassler:2020:ECP**


**Hassler:2020:GNA**


**Hutson:2023:N**

REFERENCES


Hecht:2020:SOF


Herbst:2020:FO


Huitema:2022:ITM


Herr:2024:DCS


Higginbotham:2020:ADC


Higginbotham:2020:DDP


Higginbotham:2020:ICP


Higginbotham:2020:MLE


Higginbotham:2020:MSV

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Jon23a] Willie D. Jones. 5 questions for Andrew Leland: The history of


Andrew Jones. Back to the moon, almost: NASA gears up for the world’s first crewed deep-space mission in 50 years. *IEEE
REFERENCES


Jones:2024:MMM

Jones:2024:RBS

Jordahn:2021:SWS

Jones:2021:LDT

Kastrup:2023:SDA

Kroposki:2024:PPR

Kim:2022:GSK

Kovatchev:2021:CAP

Koziol:2020:GSS
REFERENCES

Koziol:2020:HRH

Koziol:2020:NES

Koziol:2021:SIW

Koziol:2021:CFM

Koziol:2023:QAT

Koziol:2023:QCT

Koziol:2023:QMW

Koziol:2023:RAL

Koziol:2024:QDF
[159] Michael Koziol. 5 questions for David Frankel: One man’s quixotic quest to stop robocalls. IEEE Spectrum, 61(5):21,
REFERENCES

May 2024. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


Laursen:2023:N


Laursen:2023:NMN


Laursen:2024:POH


Lazarev:2021:H


Lazarus:2022:RST


Lau:2020:DSC


Li:2022:HAG


Lee:2020:SDP


Levick:2020:RMW


Levick:2021:SST

[Lev21] Ewen Levick. A supercold sapphire ticks more regularly than

[Lewis:2020:MHP]


[Lewis:2023:HFD]


[Liu:2020:AVL]


[Liu:2024:PTT]


[Levine:2024:UBD]


[Marsh:2020:BDP]


[Lucky:2020:BEF]


[Lucky:2020:ISR]


[Landreneau:2023:PMS]

REFERENCES


REFERENCES

0018-9235 (print), 1939-9340 (electronic).

Marsh:2022:PFd


Marsh:2022:PFf


Marsh:2022:PFg


Marsh:2022:PFh


Marsh:2022:PFi


Marsh:2022:PFE


Marsh:2022:PFL


Marsh:2022:PFo


Marsh:2022:PFN


Marsh:2023:CCC


Marsh:2023:HOP


Allison Marsh. Taking the measure of the earthquake that destroyed Tokyo: a century on, we’re good at detecting earthquakes, not so good at protecting against them. *IEEE Spectrum*, 60(9):69–72, September 2023. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


REFERENCES

ISSN 0018-9235 (print), 1939-9340 (electronic).

Mierse:2022:EMT


Mishra:2023:WWW


Mitry:2020:RSK


Moore:2020:WHM


Moore:2020:CFP


Moore:2020:HSR

[159x657] S. K. Moore. How systemic racism destroyed black innova-

Moore:2020:NN


Moore:2020:HCS


Moore:2021:UDG


Moore:2022:PP


Moore:2022:ACC


Moore:2022:TWW


Moore:2023:QSN


Moore:2023:DBH


Moore:2024:QRT

[Moo24a] Samuel K. Moore. 5 questions: Rao Tummala: How to start a
Moore:2024:QJR


Moore:2024:CCE


Moser:2022:RHB


Moore:2022:STY


Moore:2021:HDL


Mullaney:2024:BQO


Murray:2023:LIB


Mercier:2020:PST


Mantooth:2021:VCS

Alan Mantooth, Carl-Mikael Zetterling, and Ana Rusu. Venus


REFERENCES

ISSN 0018-9235 (print), 1939-9340 (electronic).

Patel:2020:PBS


Patel:2022:CGW


Patel:2023:BUS


Patel:2023:CNB


Patel:2024:KFM


Patel:2024:MSN


Paul:2021:TEE


Paulson:2022:NGD


**Perry:2020:BST**


**Perry:2020:BTP**

T. S. Perry. Black tech professionals are still paid less than their white colleagues: And women make less than their male colleagues, regardless of racial identity — [spectral lines]. *IEEE Spectrum*, 57(8):4, August 2020. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Perry:2020:FFC**


**Perry:2020:PPT**


**Perry:2020:RUA**


**Perry:2020:RRU**

T. S. Perry. Rocket recruiting is using AI to get you a job. For free: Its candidate pool is attracting recruiters from small and large companies. *IEEE Spectrum*, 57(9):4, September 2020. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Perry:2020:SHT**


**Perry:2020:TPC**

REFERENCES


Tekla S. Perry. Conjurer of compression: From WinZips to cat GIFs, Jacob Ziv’s algorithms have been making data disappear and reappear for decades.

---

Perry:2020:WDI
Perry:2020:AVY
Perry:2020:GAY
Perry:2020:HCD
Perry:2020:ITD
Perry:2020:JDQ
Perry:2020:WYC
Perry:2021:LAA
Perry:2021:CCW

Perry:2021:TPR


Perry:2022:AML


Perry:2022:BWM


Perry:2022:IAI


Perry:2023:MIV


Pesce:2020:BTV


Pesce:2020:CSI


Pesce:2020:CTM


Pesce:2020:BUC

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Ras20b] F. Y. Rashid. The rise of confidential computing: Big tech companies are adopting a new security model to protect data while it’s in use — [news]. IEEE Spectrum, 57(6):8–9, June 2020. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


[Rallabandi:2024:HEC] Vandana Rallabandi, Burak Ozpineci, and Praveen Kumar. How EVs can escape the rare earth trap: Promising experimental motors are using exotic


REFERENCES

Ross:2023:QMC


Ross:2023:EDR


Ross:2023:N


Raghavan:2023:BNP


Rao:2021:AMI


Sachan:2020:PBV


Sarnoff:2020:BCA


Schneider:2021:LDT


Smil:2022:CEM

Vaclav Smil and Rodney Brooks. COVID: Excess mortalities two

**Smith:2022:GMMa**  

**Smith:2022:GMMb**  

**Schloemer:2023:SPC**  

**Scalfani:2022:NWS**  

**Schneider:2020:DDC**  

**Schneider:2020:DAI**  

**Schneider:2020:ZBL**  

**Schneider:2020:PDB**  

**Schneider:2021:DLS**  
[Sch21a] D. Schneider. Deep learning at the speed of light: Light-

**Schneider:2021:WNO**  

**Schneider:2021:H**  

**Schneider:2021:IBE**  

**Schneider:2021:MTG**  

**Schneider:2022:BSW**  

**Schneider:2022:CDW**  

**Schneider:2022:DSM**  

**Schneider:2022:DMS**  

**Schneider:2022:EEU**  
David Schneider. The Exascale Era is upon us: The Frontier supercomputer may be the first to
REFERENCES

reach 1,000,000,000,000,000,000 operations per second. *IEEE Spectrum*, 59(1):34–35, January 2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


REFERENCES

5–12, November 2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Scudellari:2020:QDT**


**Scudellari:2020:RBA**


**Strickland:2022:FWN**


**Strickland:2022:N**


**Strickland:2022:DD**


**Strickland:2022:WHW**


**Shapiro:2023:PMI**


**Stewart:2020:HCT**


**Shestakofsky:2024:MRB**

REFERENCES


[Smi21d] Vaclav Smil. A boat can indeed be too long and too skinny:

REFERENCES


CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


REFERENCES


[Smi22g] Vaclav Smil. Hydropower, the forgotten renewable: This still-mighty source of electricity has been unfairly relegated to the scrap heap. *IEEE Spectrum*, 59(11):20–21, November 2022. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).


REFERENCES

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
</tr>
</thead>
</table>
| Stockton:2020:CTB | N. Stockton. China takes blockchain national: The state-sponsored platform will launch

**Stone:2023:DRB**[Sto23]


**Strickland:2020:FTD**[Str20a]


**Strickland:2020:HCA**[Str20b]


**Strickland:2021:TPU**[Str21]


**Strickland:2022:ANA**[Str22a]


**Strickland:2022:BNS**[Str22b]


**Strickland:2022:QJB**[Str24a]


**Strickland:2023:QLT**[Str24b]


**Strickland:2024:EYL**[Str23]


Dale Thomas. Phone-free texting: HamMessenger makes it

**Thomas:2021:TLT**


**Towfiq:2021:ICS**


**Ulrich:2020:CCC**


**Ulrich:2020:GGB**


**Ulrich:2020:TTC**


**Ulrich:2021:TTA**


**Ulrich:2022:TIL**


**Uskova:2021:RFR**

Olga Uskova. On Russian farms, the robotic revolution has begun: Hundreds of aftermarket AIs are harvesting grain. *IEEE Spectrum*, 58(9):40–45, September 2021. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

**Vaidya:2023:CLA**

Jaideep Vaidya and Hafiz Asif. A critical look at AI-generate software: Coding with the new AI tools is both irresistible and

VanSchoot:2023:MLM


Versluis:2020:QCS


Waltz:2020:STI


Waltz:2020:TTI


Waltz:2020:ATB


Waltz:2020:BDJ


Waltz:2021:VGE


Waltz:2022:AMO


Waltz:2024:QYL

[Wal24a] Emily Waltz. 5 questions for Yilu Liu: How to EMP-proof a build-
REFERENCES


Waltz:2024:BIC


Watkins:2024:BDQ


Wright:2021:APS


Wong:2023:CND


Weaver:2020:NDE


Watts:2023:LCE


Young:2022:BHA


Yan:2020:RHN

REFERENCES

Zeloof:2020:HPT


Zimmer:2021:AWS


Zorpette:2024:Na


Zahedi:2020:WGT


Zhou:2020:DBS


Zorpette:2020:RMD

G. Zorpette. RF MEMS deliver the “ideal switch”: After two decades of development, MEMS-based RF switches are finally finding real-world uses. IEEE Spectrum, 57(8):8–9, August 2020. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:2022:FTH


Zorpette:2022:OSS


Zorpette:2022:REH

Glenn Zorpette. The ripples from Edwin Hall’s effect: How a 143-year-old insight is shaping spacecraft propulsion. IEEE Spec-
REFERENCES


