A Complete Bibliography of Publications in *Computing in Science and Engineering*

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA  
Tel: +1 801 581 5254  
FAX: +1 801 581 4148  
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)  
WWW URL: http://www.math.utah.edu/~beebe/

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Title word cross-reference

+ [Luo12]. 2  
[CFA04, Hum07, OKdSB11, YWC02]. 3  
[Ama00, Ano15-38, Ano15-39, BB07,  
CCSS08, CY00, CHC+11, CS14, CS15,  
DiP18b, GWA+07, HMA00, HL00, LWF10,  
MJAK09, RV11, SD00, SYP08, Sul02c,  
Weg00, XHL+13, YWC02, YCK03, YCKK03,  
YaL10, ZZPC06, ZDW+07, ZCXM99]. 4  
[WNZ+17]. A = B [BS00a]. D [UZC+12]. k  
[ALM19]. **B _ NEW_** ⊛ (B₁ ⊛ B₂)  
[Sul02b]. N [YB12]. ≠ [Sul04c]. Q  
[Par00a].

-**body** [YB12]. -**Vector** [ALM19].

1 [Bak10]. 11th [HPKS04]. 19

2 [CW05b, XDK+20]. **20-Bit** [TJ14]. 2000  
[Ano13j, Ano14-31]. 2016  
[Ano16b, CWS17, DE17]. 2017 [Ano17a].  
2019 [Ano18b, Ano19d, Ano19e, Ano19z,  
WBP+19]. 2020 [Ano20x, Ano20y,  
Ano20-37, Ano20-54, Ano20-56]. 20th  
[SCBT18]. 21st [Ano14-49, Ric99]. 2nd  
[Seg99].

3 [KBLD08]. 39th [Ano15b]. 3D [Lew99b].  
3M [CW05d]. 3Ms  
[CW05c, CW05c, CW05a].
Advertising, Aerodynamic [LQZL19], African [Ano17-28, Ano17-29, Ano17-30].
Aerodynamic [LQZL19], Alternatives [EHG01].
Ambient [KLS01], Analogous [CB02].
Analysis [Cor07, HE05, PLH+18].
Aircraft [Wor00, Lui06, MBS00c, BS00d, DCC10, Ebr10, FAFX20, Lui06, MBS00c, OOB17, PL07, PSS20, Par00a, Pre09, Roc00, Rus03, SSP06, SR12, Thi13c, YYL+18, ZZYNH06, ZLTX19].
Aircraft [Wor00, Lui06, MBS00c, BS00d, DCC10, Ebr10, FAFX20, Lui06, MBS00c, OOB17, PL07, PSS20, Par00a, Pre09, Roc00, Rus03, SSP06, SR12, Thi13c, YYL+18, ZZYNH06, ZLTX19].
Aircraft [Wor00, Lui06, MBS00c, BS00d, DCC10, Ebr10, FAFX20, Lui06, MBS00c, OOB17, PL07, PSS20, Par00a, Pre09, Roc00, Rus03, SSP06, SR12, Thi13c, YYL+18, ZZYNH06, ZLTX19].
Aircraft [Wor00, Lui06, MBS00c, BS00d, DCC10, Ebr10, FAFX20, Lui06, MBS00c, OOB17, PL07, PSS20, Par00a, Pre09, Roc00, Rus03, SSP06, SR12, Thi13c, YYL+18, ZZYNH06, ZLTX19].
Appliances [How12]. Application [ACQ+20, Bas02, BAD+21, BHC+15, DGK16, DD07, HRRS09, Lau05, Läu06, LTG07, MM18, NsdS17, NsdS17, SCCN11, SCW+17, SKP+10, SB00, WY12, ZZS+19].

Applications [Ano15b, Ano20z, ACF18, Ara99, BFF12, BC05a, BC05b, Bry11, CJL+18, CF99a, Che19, DBH+02, Di 11, DSK15, DYY+17, DG12, EVA+21, Fox03d, GZC14, HPMJ12, JSNR11, JPE20, KNG10, KVP+16, KVP+17, KSM+17, KS07, KT08, KHC+07, LZZ17, Mem16, MV20, MHC+18, OKS10, PF04, PMFM14, PAN+16b, Rag07, Ran06, RLRML04b, SBZ+08, SSP06, SKC02, SL03, Shi07, SBZB13, SF11, SPB+20, Tec18, WCAL14, WD06, ZLW+19, Wep15, Ano20a, Ano20f, Ano21a].

Applied [Coo14, MT00].
Apply [Eng15].
Applying [ST05, SFSK01, TX08, TMC+13, YLR02].

Approach [ABNZ09, Ama00, AM05, Bas14, Bet99, BZL+07, Che99, Che03, DPG+12, EGFL12, FGR+07, FGRS17, Gan02, JMELO8, Kali19, KC19, KFA+16, Kyr08, O’LO5c, RRN20, RGD13, Roo06, SR12, Ste00, SKC05, VMK20, WVP12, Wri16, WCH12, XKG05, YMLJ06, YM14, ZS07, ZWYL20, GGD+05].

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Approximating [GBDW04].
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ArboREAL [Shi03].
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Archive [Nei08, TSKG03, TSGF08, Tha08a].
Archives [BDS13].
Archiving [Gor06d].
Artic [EKLY07, MKJ07, THGS07].

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Argonne [CJ16].
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Artifact [CGZ20, HBG+20].
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Associated [TAM+14, Van12].
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Astrophysics [ABNZ09, CK09].
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Asynchronous [DAEJ18].
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Atmosphere [FSD02].
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Atomic [Che03, WPZ00].
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atrial [SOV+13].
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Ano21j, BKK15, Bre17, Cus13, Day13d, HP15, Kus07, Lew01b, LL18, MKM+14, Pos16, SAK+13, WCAL14, WLL+14.


C [JPE20, CNC10, Cot03, EGFL12, GRE99, HC99, PMM+08, RMX12, UZC+12, Zak18, Zhu16]. C-to-CUDA [UZC+12]. Cached [PE09]. Caching [XLLJ04]. Cafe [Dub04]. Calculating [RLHGA+04]. Calculations [Eis17, Kyr08, WOAEAG10, dKCAY00]. Calculators [Got02a]. Call [Ano13a, Ano14d, Ano14a, Ano14b, Ano14c, Ano14y, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15w, Ano16c, Ano16d, Ano16l, Ano16m, Ano16o, Ano16p, Ano17a, Ano17b, Ano17p, Ano18g, Ano18b, Ano20q, Ano20r, Ano20o, Ano20n, Ano20s, Ano20t, Ano20u, Ano20v, Ano20-36, Ano20-44, Ano20-45, Ano20-54, Ano21m, Ano21l, Ano21k, Ano21u, Ano21v, Lat16]. Calls [Ano14u]. Can [Alt10, Bar11, Eng15, FLV+09, Kus07, NO03, Roc00, Ste14, Sul99b, TM15]. Canal
[yFZDY13]. Cancer [Bre17, Dub08a, Hei20].
Candle [OR12]. Cannibalism
[O’L07a, O’L07b]. Canonical [GF04].
Can’t [Ben09, DEK03]. Capabilities
[Bas02, Tou01]. Capability [EDJ+10].
Capstone [DAKM16]. Capture [Cav12].
Car [Ben09]. Carbon
[CJ16, JXY+19, SMC01, TAM+14]. Cards
[Azo06]. Care [Bei09b]. Career
[Ano19-28, Ano19-27, Ano20-57, CHM+KDA].
Careers [Bot16, GN08]. Caring
[Bot16, GN08]. Caring
[Bot16, GN08]. Caring
[Bot16, GN08]. Caring
[Bot16, GN08]. Caring
[Bot16, GN08]. Caring
[Bot16, GN08]. Caring
[Bot16, GN08]. Caring
LDAS19, Les16, Lew02b, LWT+13, LPV00, Los03, MMTD+17, MB99, New00, OW01, O’L06b, PKT08a, PKT08b, PKT08c, PR01, Ran06, Rec16, Saa09, SDA20, SW10, Scl16, Sch14, Sch15, SS06, Shi01b, Slo16, TS02, Tre99, Var08, Vla12, WMB20, WCP17, dKCAY00, Mat05, Ano18y, Ano19-29, Ano19-30, Wil01, Ano20a, Ano20-72, Ano21a, Sna13.

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[Ass00, Day17a, Gig00, JS99, Lew02b].

Computer-Based
[KBPW15].

Computer-Guided
[BT10b].

Computer-Simulated
[Tre99].

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[Ano15b, Bal17, CL01, Cra03, Cre99, Day12d, Day16b, Dun09, FHM99, GS13b, JT01, PSA14, SDA+14, Ano20u, Ano20v, Ano21g].

Computing
[Akl18, Ale18, Ano13b, Bal15, Bal99, BT17, BPW20, BTL19, BCH’09, BM09, BS09b, BS09a, BS00a, BS00b, BS08, BST+06, BCC+09, Biz16, BT01, Bog05, BC05a, BC05b, BCJK09, BB01, BHC+15, Bry11, CHB19, CR15, CF99b, CN03, Che15, Che16, Che17b, CHJC05, Cho06d, Cho06g, CN10, CG99, CW20, CT00, CHM’20b, CHM’20a, Cyb02, DD05, Dun09, DCHW07, Day06a, Day07c, Day13b, Day15c, Den16, DMRX+14, DW01, DSSS05, DTL+17, DRR+04, DKWL17, ES18, EDJ+10, EHG01, FKS15, FLV+09, FM13, For00, FG01, Fox01, Fox02b, Fox03b, Fox03c, Fra02, FPRK16, GHT+10, GR508, GB20, GKH*08, Gor05a, Gor06a, Gor07b, Gor07d, Got06, GS13a, Got14a, Got15, Got16, Got17, Gro09, HP14a, HP14b, HP20, HLRW17, HC09, HRAB05].

ComputingEdge
[Ano20d, Ano20e, Ano21e, Ano21f].

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[BFBS04, DR05c, HW15, PL02].

Conceptual
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Conceptualization
[CGK’18].

Concern
[CGZ20].

Concurrency
[DS12, Vin12].

Concurrent
[ZL09].

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[KF03, STTV05].

Condensed
[IBPV03].

Condensed-Phase
[IBPV03].

Condition
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Conditions
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Condor
[KM99].

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Conferences
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Confidence-Guided
[DTA21].

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Congenital
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Congress
[Ano19c].

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Connection
[Com99].

Conquer
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[Day18a].

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[BO03, Gaa03, IMK13, Sch01, Smi99f, STM99, SBZB13, TSGF08]. Databases
[Cho03, CC03, HBG20, LGJ10, KVP08, KMSH10, KVP08]. DataCenterHub
[CHP20]. Dataflow [EVA21, PA12].
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[BBW20, DLL20, DLL20, Luo12, RRR20, SPW21]. DataSpace [GM02].
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[Hin13a]. Days [Day13a, Shl14]. dBX
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[Cyb00b, Day07a]. Deblurring
[CO15, NO03]. Debris [JJ15]. Debt
[Hin15b]. Debugging [HMB21]. Decimal
[GBPR11]. Decimation [PCY14]. Decision
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Decision-Making
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[NWP19, NSL09, Hasu06]. Defect
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[Smi99f]. Defining [COS21]. Definition
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[BPMKC21]. Deleted [Smi99f]. Delivering
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[JWL14]. Deployment [BHC21]. Depth
[Wep08]. Derived [PMF14]. Derminant
[BS00b]. Description [PMFM14].
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[PR01, TS02]. Desorption [KS09]. Detect
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[ABC21, BB20, BW14, CAS21, DGK16, Fox04b, GPMSC20, Gyu09, Hin13c, KMSH10, KSY19, Loo01, MBB21, MBT21, NCM21, NC018, Pe020, Pos14, PK18, PBD21, PMW20, QL19, STW15, SHPL12, SPJ21, MMG15].
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[Lew10]. Diagnosing [DRA11]. Diagnosis
[Gig00]. Diagnostic [WZS21, WCC21].
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[AGM’00, BWC01, Bec15, DLW+19,
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[Lau05, Läu06, LTG07].

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Enrollment [MTTD+17]. Ensemble [GVB15, PSS20, SCW+17]. Ensembles [ALH+20, BH02]. Enthusiasm [Sul08a].
Entrepreneurs [Lew00c]. Entrepreneurship [WMB20]. Entropy [Jq19, PAF08]. Enumerations [Gut01].
Envelopes [GARS+20]. Environment [Asr04, CAP+08, CAS+07, CS15, GWA+07, GHKZ17, Har04a, Hum07, Ong02, PTML11, Par16, PL02, RPBE12, Shi01a, WQT+16].
Environmental [GLS07, MKJ07]. Environments [DGR+05, Fox03b, LRRK00, MHK+06, PAN+16a, PNL+16, VSMD+09, Weg00].
Ephemera [Bei10b]. Epidemic [O’L04d]. Epidemiology [Gor10]. Epileptic [SSG16].
Epiphany [PK18]. ePub [Ano13e, Ano14i]. Equation [JWEK06, Moy06, OsK07, RK05, Sch18, SFSK01, STTV05, XKG05].
Equation-Free [XKG05]. Equations [Bog03, GW09, HT99, JHJ01, MSL+07, O’L05f, Sil00, Ter11, Lud13].
Equipment [Tof08, Tof09a, Tof09b]. Equitable [Deb18].
[AB03, DKCL14, Rus01b]. Estimation
[FOdLVF11, KLMS99]. eTextBook
[LPB13, LPB15]. Ethanol [MPR18]. ETSF
[MTG+12]. Eureka [Smi99d]. Europe
[Ale18]. European [Els21, FM02, Kal19].
Evaluate [GYY+10]. Evaluating
[yFZY13, MPP14, PD02, Ron14].
Evaluation [ACQ+20, NA07, Nan11].
Evenly [LM07a]. Event
[Cas16, Gra07, Lew01b, NW15]. Every
[Sul04d]. Everybody [Day18b]. Everyone
[VGM+09]. Everything [Yas17b].
Everywhere [O'Lo5c]. Evidence
[Bar21, Fox18, SRGR+18, TMMB18, Tec18,
TKM+18, vGDS18]. Evidence-Based
[SRGR+18, TMMB18, Tec18, TKM+18,
vGDS18]. Evolution
[BBM+15, Che16, Cho06c, CBS14, DVR+19,
FL99, For01, New00, VP04]. Evolutionary
[RRN20]. Evolvable [For01]. Evolving
[Cho05c]. EWD [Sul02a]. Exa [BAD+21].
Exact [RLRML04a]. Exaggerated
[Day07b]. Examining [BZL+07, PQQ20].
Example [Lud13, Pos16]. Exascale
[Ano15-37, DKG19, GS13a, GS13b, JR10,
JRP+17, Kali19, KS13, KLIQ19, LMPV13,
LA18, NdSS17, SBW+19, MB20a, Mes17].
Excellence [Kad04, NRG+17, NdS17].
Exceptionally [Thi11b]. Excited [Mor15].
Exciting [Day07c]. Execution
[BHL99, MSD10, SB00]. Executions
[GPC08]. Exemplifying [PQQ20].
Exercises [DM04]. Exoskeleton
[YMHHQ19]. Expand [WCP17]. Expanding
[Pap16, Thio]. Expect [Day09b].
Experiences
[BB06, Bot16, LT1D11, LUMM14, Taj0].
Experiment
[Day12, Gor07d, Sch01, Sto02, Var08].
Experimental [GHT+10, Guo12, YYG+19].
Experimentalists [DR05c, DR05b, Don06a,
Don06b, RDO5a, RDO5b, DR05a].
Experimentation [PGH+05, SRGR+18].
Experimenter [Ben04]. Experiments
[Ben04, LBS14, Liu11, MAFM21, MTG+12,
MGD+08, Rei13, SZM+13]. Expert
[Sma12]. Expertise [MBH14, Mes15].
Experts [Ano16-47, Ano16-48, Bur18].
Explaining [GLS07, Jer13]. Explicit
[BPMKC21]. Exploitation
[PTH13, RLHGA+13]. Exploiting
[BBD+13, DSK15, EGFL12, Muz19,
XZL+19]. Exploration [BHF+08, BBW+20,
CO15, CHM+20b, CHM+20a, DVP+17,
DH12, EPHY18, JML08, Thi11b, TNV+02].
Exploratory [GM02, LSN20, WCP17].
Explore [LP00]. Exploring [ALH+20,
BHC+15, Don02, Luo12, MB09, Ree16].
Explosions [BPH+13, HMS+00, Ott16].
Exponentials [O'Lo4b, Rus02]. Export
[EHG01]. Exposing [PMM+08].
Exposition [Hah04]. Expression
[Kir03, OMKdSB11, YCK03]. Extend
[GDR16]. Extended [KL10]. Extending
[Bas02, DY99, Dub00]. Extensibility
[BKS15]. Extensible [ASM+14, KSM+17].
Extension [Ron14]. Extensions [EGFL12].
External [CFCD04]. Extinction [New00].
Extraction [GMRP11, KS20]. Extractors
[JG12]. Extremal [Boe00]. Extreme
[Che19, Cus14, Dar18, DTL14, LWG19,
NWP19, PT14, Sza11, TWE14, VM15,
WHW18]. Extreme-Scale [VM15].
Extremes [TM15]. Eye [CTO0, KBPW15].
Face [FOdLVF11, OMKdSB11, Pos13,
SMM+11, SYP08]. Facebook
[Day14f, FAFX20]. Faces [Got02b]. Facial
[OMKdSB11, WL0CJ12]. Facial-Expression
[OMKdSB11]. Facilitate [MVUSK14].
Facilities [Pap16]. Facility
[AGM+00, SW10, LBS14]. Factor [Els21].
Factorizations [O'Lo6e, O'Lo6d]. Factors
[DCWH07, DKWL17]. Failure [GB20].
Faint [Bar12]. Family [Gor05a, Roc00].
Fanfic [Day18f]. Fans [Got02a]. Fantasy
[Smi99c]. Far [UGV11]. Far-Infrared
[UGV11]. Faraday [Day16c]. Farewell
Forward [Cho05f]. Foster [For99].
Fostering [Lan19, Tur14a]. Fourier
[DR05c, DR05b, DR05a, Don06a, Don06b, RD05a, RD05b, CS18, Cor07, Mus20, Tre99].
FP [DPP+01]. FP-LAPW [DPP+01]. FP7
[Ale18]. FPGA [BMP+06, BCC+09, HGV+08, NLGNNJ13, SDCV10, SG10, TJ14].
FPGA-Based
[BCC+09, HGV+08, NLGNNJ13, SDCV10].
FPGAgs [AAAH+16, VMK20]. Fractal
Framework [ALH+20, APC+19, CBB06, DL00, EP10, GBDW04, GYL+17, GRS08, GSB+12, HC17, Ikk16, KRR+12, KFS18, KSM+17, LVLA14, McK11, PGC21, Ram18, RPBE12, RPEB14, SBB+15, SCT13Sto09, VCGS11, ZFS12, HDB+04].
Frameworks [HMB+14]. Frankenstein
[Sul03c]. Free
[Shi00c, THGS07, XKG05, dKCAV00].
Free-Energy [dKCAV00]. Freedom
[Ano15-44, Lew00b]. Freestyle [TR08].
Frequency [CPdlF+12, PAN+16b].
Frequency-Domain [CPdlF+12]. Fresnel
[Tre09]. Friendship [Sim13]. Front
[Ano13f, Ano14a, Ano14b, Ano14c, Ano14d, Ano14s, Ano15b, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano16b, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17k, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18m, Ano18n, Ano18o, Ano18p, Ano18q, Ano18r, Ano18s, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano18y, Ano18z, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19m, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19s, Ano19t, Ano19u, Ano19v, Ano19w, Ano19x, Ano19y, Ano19z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano21b, Ano21n, SG10, Ano19j].
Front-Side [SG10]. FRONTERA
[GARS+20]. Frontier [Gue18, Kus07, SP18].
Frontiers
[HP14b, JHLH03, Pos04a, Pos04b]. Fuel
[SP18]. Fuel-Engine [SP18]. Full
[HLYQ19, No02a]. Fullerene [SMC01].
Fully [ZZC+19]. Fun [Day11e]. Function
[BHC+08, Don10, KEF07, LGW19, NSR10, Rus01a]. Functional

[GW15, Hin09, Kar99, LT09, MB07].
Functions [LTD11, MAC08, Rus01b, Rus02, Rus03, Tho99b, Tho00]. Fusion [ECR+15, HSY+19, Ma16, TWE14, SMM+11]. Future
[AHL+11, Bec15, Cho07c, Cho08b, CW20, Dau99, Day06c, Day12a, Day19a, DSSS05, DUB07f, EKLY07, GB20, Got15, Got16, Hin13b, JH18, LWK02, LL18, Mar17, Pos11, Rei03, SPS15, Smi00d, Sm04f, Th11a, Th13a, Th15a, Th15b, TW03, Zha11].
FutureGrid [JR+13]. Fuzzy [CS01a, DKL14, Fra07, GYF+10, LLQ18, ZLW+19].
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FVT [SWP00].
G [GSI11]. Gaining [Mes15]. Galaxies
[Jon15, KCPFT02]. Gamble [PEP00].
Game [BB20, Les16, TMC+13].
Game-Based [Les16]. Gaming [Day12b].
Garmin [Tour2a]. Gas [Par16, Sch20].
Gateways [WDC18]. Gauging [Day08a].
Gauss [Cor07, Noh00a, Ome06]. Gaussian
[Bal99, Nan11]. Gay [Wri16]. Gel [dA03].
Gen [Sim00c]. Gender [Les16]. Gendered
[Bot16]. Gene [YCK03]. General
[MW11a, SSC18, Wat21, YLR02, Zei17].
General-Purpose [SSC18].
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Generation [CHJ05, Ged16a, HP15, MAC08, McM09, RGD13, Slo16, Smi00c, SPJ+14, Tha14, Thi04, Thi15c]. Generic
[Kyr08, MM18, SL09, IK05]. Genes
[CA+07]. Genetic [Bea00, FL99].
Genome [Mye99, STM99]. Genomes
[Mis02]. Gentoo [Thi04]. Geodesic
[RRH+02, WLCJ12]. geodynamic [Mat05].
Geodynamics [HPC20]. Geodynamics
[GC00]. Geographic [Che10, WCC+02].
Geometric [Lui06, ZZPC06]. Geometries
[Fl+07]. Geometry
[DAK16, MP14, O’L12, RLRML04a].
Geometry-Centric [DAK16].
Geophysical [HIL+02]. Georeferenced
[AAB+13]. George [O’L05b]. Geoscience
[Har04a, HEH10]. Geosciences [LWF10].
Geoscientists [Tha14]. Geospatial
[MPP14]. Germany [Day12c]. Gestures
[YHWY05]. Get [Ano14t, Ano15s, Ano15t, Ano15u, Ano15v, Ano16s, Ano20-33, Ano20-34, Ano20-35, Ano21q, Ano21p].
Gets [Shi99]. Getting
[Gra09, KSB07, MAFM21, O’L05g, Wil06].
Giant [LWT13]. Gide [CO15]. Ginzburg
[Gra09]. Girls [Sca16]. GIS
[GYF10, JJZC10, Shi07, WPM12].
Gismo [BCA00]. Glacier [BZL07].
Glass [YZZ04]. Glasses [BHKW03, DCC10].
Glast [BCA00]. Glimpse [Hin13b].
Goal [SBW19]. Going [Sul02c].
Golomb [Men16]. Gone [FL21].
Good [Bei10c, Dub99, Poi10, Sul04b]. Goodbye
[Dub08b]. Google [Cha08]. Googol
[Cha08]. Got [Dub15b]. GPGPU [HKB12].
GPS [Tou02a]. GPU [BFF12, CGL18, CG09, DJS13, EKCS12, FKB13, FPRK16, Gra09, KEO5, LAY04, MRNT17, STV10, TLD02].
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Gravitational
[ACF18, BVT13, LL13, SV14, SR12]
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H5N1 [Rao16]. Hackathons [CJL18].
Hadron [Mor15]. Hail [Be12b]. Hair
[YZC13]. Halos [Jon15]. Hand
[Ano15i, YHW10].
Hand [Ano21r].
IEEE
Imaging
[JT01, MJAK09, MB07, QPCJ07, UGV11].
Imbalanced [RRN20]. Immune [KS00].
Immunology [Cyb99b]. Impact [CJL+18, CR15, Day08a, ECK+15, GWMG04, HPC20, Ree16, Sch15, STG11, Van12]. Imperfect [Day16d]. Impingement [MPR18]. Implement [SDA20]. Implementation [MVUSK14, SCW+17, TLD02]. Implemented [Naj08]. Implementing [GEH+99, GDDR16, Joh06, ZFS12]. Implicit [RSC+14]. Importance [BS99b, Fox02c, PCY14, Thy20]. Importance-Driven [PCY14]. Important [Day07c]. Impress [Eis17, STG11, WJ04]. Improvement [MBH14]. Improves [Jon19]. Improving [CJTH+13, FAFX20, Gan02, KL07, LPCY19, MM16, PSS20, SMM+11, SNCT13, YLZ17, ZQY+11]. In-Silico [KFS18]. In-Situ [BAD+21]. In-socket [SG10]. Inaugural [WDC18]. Included [Dub07c]. Inclusion [Akl18, Leu17, Leu20, SL18]. Inclusive [Deb18]. Income [Slo16]. Incompressible [DJS13, DGK16]. Incorporating [JLN19]. Increase [MMTD+17]. Incremental [Roo06, WLL+14]. Independent [EP10]. Index [Ano99, Ano00a, Ano01, Ano02a, Ano03, Ano04a, Ano05a, Ano06, Ano08, Ano09a, Ano11c]. Indifferent [Sul04b]. Individual [Biz16]. Individuals [Oli13]. Indoor [KLM99]. Induced [FCT+10, KNKP14]. Industrial [Das00, Mil10]. Industry [Ano14t, Bea00, Bet99, Fei05, Gyu99, Haa99, WLCD01, YAA+00]. Infected [Sch21]. Infection [O'L04c, O'L04d, Sch21]. Inflection [Gar17]. Influence [AM05, DKWL17]. Influencers [CHM+20a, CHM+20b]. Influences [JH16, Sca16]. Inform [DBC03]. Informatics [DBC03, GKG+15, Liu15, MSM13]. Information [Ano13i, Ano14-29, Ano18c, Ano18d, Ano18e, Ano18f, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, BBN03, BCL03, Cha08, Che10, FL99, Fox02a, Fox03c, Ged16a, Ka09, KNV03, Lew00b, LLQ18, MO03, MSL02, Pok04, Qua18, Qua19, TW17, ZS07, ZYKG04, SM+11]. Information-Theoretic [KNV03, ZS07]. Infrared [ML02, UGV11]. Infrared-Scene [ML02]. Infrastructure [Ale18, Cyb99b, Got02b, MTG+12, Got15, Got16]. infrastructures [SPS15]. ing [NG20]. Initial [LTD11]. Initialization [WZZ11]. Initiative [SDA20, Ano18-41, ES18]. Inner [YZC+13]. Innovating [Goo17]. Innovation [FL21, McM09, Men18, Mil17, PG17, SSK13, WMB20]. Innovative [For99]. Inpainting [FSED10]. Inria [ACG+20]. Insights [Ano14t, Mal07a]. Inspection [DLLZ19, DLLZ20]. Inspired [For00, Gor08b]. Instabilities [BW01, ZB04]. Institute [Ano18d, Ano18e, Ano18f, CGK+18, ABC+14, CHH+13, MMG+05, Par12, WDC18]. Institutes [WDC18]. Institutional [Biz16]. Instruction [CL01, CW05b, CW05c]. Instructional [Rec16]. Instrument [DC04]. Instruments [Tou03]. Integer [AB03, Bai00]. Integral [Ama00, Ron14]. Integrals [Ron14]. Integrated [CAP+10, DDV+08, GF04, HKB12, HEH+10, JME08, NCB+05, PGC21, RF00, She07, WQT+16, WWJH20]. Integrating [CHB19, CF99b, Fox03c, Hu07, MCE+03, YWC02]. Integration [BK20, Nan11, Noh00a, O'L04e, Tur15, ZYHN06]. Integrative [CL01]. Intel [BHC+15, DADY15, HKB12, Rob13]. Intelect [Ano14-32, Ano15-28]. Intellectual [Cyb99c, SLK+20]. Intelligence [BB20, Gor06b, SGRK+18, TKM+18]. Intelligent [BO04, Qua18, Qua19]. Intensive [AHL+11, Bri11, HPMJ12, NCB+05, Sza11].
Interacting
[CHM+20b, CHM+20a, DGR+05, HL00].

Interaction
[Kus06b, LCY+04, MRNT17, MPR18].

Interactions [EUD15, LBS14, SNTL13].

Interactive
[BW+20, DH12, HLYQ19, Lan02, Mar02, PG07, PFS21, PTH13, SDS00, Sic09, Sil02, TC21, VGM+09, Vor01b, WAS+12].

Interactively [LM07a].

Interbeat [TGP+06].

Intercalation [PAF08].

Interconnect [Mei03].

Interdisciplinary [GN08, Tan21].

Interest [JH16, O'L04b, SKA+02].

Interface [BJ02, GRE99, OW01, VGM+09].

Interfaces [Ben04, PV00, Shi01b, Smi99d, Smi99a, Smi99b, Smi99c, Smi99f, Smi00a, Smi00c, Smi00b, Smi01d, Smi01b, Smi01a].

Interferometric [Zeb00].

Interinstitutional [GCV08].

Interior [DRR+04].

Intermediate [SSK02].

Internal [CFCD04].

International [Ano15b, Car09a, Car09b, CHC17, Run05].

Internet [Ano19x, Com99, CN099, Day10b, Day11d, Day15a, Day16a, FGRS17, GHKZ17, Kil99, MHD99, NLV99, Rob06, Shi07, Shi01a, Smi99f].

Internet-of-Things [FGRS17].

Interplay [BHKS03].

Interpolation [WLCJ12].

Interpretive [CNC10].

Intersection [Sha99].

Intersectional [Wri16].

Interval [LLQ18].

Intervals [TGP+06].

Interview [Mar99a, Sha99, WM00].

Intracardiac [SOV+13].

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Introducing [KNS18, Thi09b].

Introduction [Asr04, BC09, BS06a, Ber99, Bli02, BC05a, BC05b, CN03, CZ07, Cho03, CS01b, DS00, Dub07e, Dun09, Eth01, Fal06, FC09, FF03, Got06, HIS03, HG02, HP04, Kar02, Kax01, KS02, Kup03, LFK+19, MR06, MS99, NC03, NL99, PV00, PS02, Pos04a, Pos04b, Pos07, RC01, Run00, Run05, SS02, ST99, Sul09a, TA05, TX07, Tes15, Thi05, TP04, TM00, VP04, VN99, War18, WR00, Win06, ZW19, Ale13, AM15, CE14, CLZ13, CF13, For16b, HP14a, MF16, Mem15, PT14, Qua18, Wai16].

Introductory [Ass00, Aya07].

Invasion [Ebr10].

Inverse [XBK10].

Inversion [CL14].

Inverter [LCC+19, WCC+19].

Investigations [CHB19].

Investigate [DM04].

Iodine [MM04].

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Ionic [BHKW03].

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IPython [PG07].

IRI [Ano20-54].

Iron [BKK15].

Irony [Day08b].

Irregularities [KS06].

isERVO [MMG+05, Run05, YLCZ05].

Isn't [RMX12].

Isosurface [PCY14].

Isosurfaces [BB07].

Isotopes [Har18].

Issue [Ano15e, Ano15f, FT08, JC01, JD03, O'L06e, O'L07b].

Issues [HBB08, TLD02].

Istanbul [DSPY05].

Iteration [vdV00].

Iterative [O'L06c].

IV [Rus03, RD05b].

Ivory [Far99].

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Java [Esq11, Fox03d, Has12, HRAB05, PTML09, PTML11, Thi02, VI08, XYC05].

Java3D [Vor01b].

JavaScript [DiP18a, DiP18b, TAF+18, Zak18, dJ18].

JHelioviewer [MFD+09].

jLab [PTML09].

Job [Ano141, Ano14j, Ano14k, Ano14m, Ano15j, Ano15k, Ano15l, Ano19, Ano31, Ano19-32].

Jobs [Ano13k, Ano18-29, Ano19, Ano20-50, Ano21y, Ano21z, SOH13].

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Journal [Ano20-33, Ano20-34, Ano20-35, Ano21q, Ano21p, Gaa03, TS10, KNS18].

Journal-Database [Gaa03].

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Joy [Sul00c].

JPEG [MFD+09].

Jr. [Sul03c].

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Jump [Che99].

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Jupyter [BTK+21, FDK21, GP21, JON+21, Moo21, PFS21, Tan21, TC21, WBB+20].

Jupyter-Enabled [JON+21].

Just [Bei11b,
Cho05b, Cho06c, Day15d, ERS+03, Gor06d.  
K12 [SDA20].  
Kaleao [Goo17].  
Karlsson [Ano21].  
Keeneland [VGD+11].  
Keep [Ano15b, Ano19-28, Ano19-27, Ano20-57].  
Keeping [Cus14, Lew01b].  
Kernel [Gor06d].  
KMAX [Goo17].  
Knee [ZCXM99].  
Knights [DADY15].  
Knowledge [GSB+12, KB04, KS01, QSEQJFH20, Ano17-29, Ano17-30, Ano18-42].  
Knowledge-Management [GSB+12].  
Kriging [XZL+19].  
Lab [CC99, DDV+08, MVUSK14].  
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Laboratories [AM15, Sil02].  
LabView [Shi01a].  
Landscape [Cho06b].  
Landscapes [MB99].  
Language [Cho12, Gor06b, HBG+20, SS06, Shi00c, Shi00b, Taj01].  
Languages [BFS04, DS12, Hin18c, JWL14, MMG08, PMM+08].  
Large [Ama00, CS14, CS15, DJS13, DXMR+14, Eis17, GL99, Gob05, HHF+14, HMB+14, JPE20, Jon15, KMSH10, LWF10, LCY+04, Luo12, Ma16, MWE08, MFD+09, PCY14, Sah03, SBH+00, SKNV03, Ste99, TB11, TNV+02, VKN99, Wes21, YWMM04, ZWJ08].  
Large-Scale [Ama00, CS14, CS15, DMXR+14, Eis17, GL99, Gob05, HHF+14, HMB+14, JPE20, Jon15, KMSH10, LWF10, LCY+04, Ma16, MWE08, Sah03, Ste99, TB11, VKN99, Wes21].  
Laser [LSB14, MM04, TDB09].  
Laser-Plasma [LSB14].  
Later [BS99a].  
Latin [MHC+18].  
Lattice [Ale15, Boc03, Mor15, Pek04, Sch20, SFSK01, WNZ+17].  
Lattices [Rei02].  
Law [Fla17, FF03, Gar17, Mei03, TW17, TFS17, Wes03].  
Lazy [LT09].  
Leaders [Ano14t].  
Leadership [Ano17-31, Got14a, HP14a, HP14b, LUMM14, Leu20, WG15].  
Leading [Ano16-47, Ano16-48].  
Learn [Ste14, Wil08].  
Learned [DADY15, HLS+16, KKO+20, KB09, Tha08a].  
Learning [Ale13, Bar20b, Che19, Cho05f, Cho08e, Cyb01, GVB15, GPMSU20, Les16, IWIW19, MSM13, Muz19, NG20, NWP19, PTH13, Rob04, SR13, Sul17, Th12a, WLL+14, WCP17, YMHQ19, ZWYL20, Sny13].  
Learnus [Gor06b].  
Least [Dub08a, Rus01a, Rus02].  
Legacy [BJ02, Lov04, O'LO6a].  
Legal [St009].  
Legendre [Nob00a].  
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Lessons [Gig00].  
Less [Ano15s, Sul03d, Ano15t, Ano15u, Ano15v].  
Lessons [DPBS16, Day09c, DADY15, Fom15, HLS+16, KKO+20, KB09, Tha08a].  
Let [Sul05b].  
Lethality [SKC02].  
Letters [Ano04b, Ano07, Ano18y, Ano18-30, Ano19-29, Ano19-30, Ki99, MB01+01, MHD01, NLV99].  
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Levitation [JLY19].  
Lexicon [TAF+18].  
LHCb [TJCC20].  
Liberal [SL18].  
libflame [VCvdG+09].  
Libraries [BWC01, Gar06, Mas06].  
Librarization [BKS15].  
Library [BWC01, Gar06, Mas06].  
Librarianship [BKS15].  
Licensing [St009].  
Licencure [Tho12].  
Life [Esq11, Gor05a, HE05, KB09, LGJ+19, Lov04, Ome06, Shi00d, Sni99c].  
Lifecycle [CHB19].  
Light [Fei05, JMFJ01, OR12, SYPO08, TM15].
Lighting [NG20]. Like
[BST +13, CJ16, OS03, Su106c, Wat21].
Lim [XHL +13, YMHQ19]. Limits
[Die12, Fra02, PS02]. LMS [Shi03]. Line
[BW14]. Linear [GS03, Nas00, O’L05c, O’L06c, Rus01a, ZZPC06]. Lines
[CT00, WT12]. Linkage [Da99]. Linked
[WCC +02]. Linking [Ale18]. LinkSCEEM
[Ale18]. Linux [Thi04]. Lip [GMPR11].
Lip-Contour [GMPR11]. Liquid [BW01].
Listening [CW06]. Literacy [Tur14b].
Literate [LCG +20]. Literature
[KS20, Sch01]. Litter [JJ15]. Little
[O’L06f, Shi00b, Day09c]. Live [Gar17].
LLNL [NdS17]. Load [CS01a].
Load-Balanced [CS01a]. Loading
[BWC01, STG08]. Local
[Thi10, TLD02, YLR02]. Localization
[SS11]. LocL [ZL09]. Locomotive
[WCC +19]. Logs [MSR15]. Lonely
[Bau08, Sul08b]. Long [Gar17, HS12, PSR +00, RBC +19, SBH +00, Sni00c].
Long-Range [PSR +00]. Long-Term
[HS12, RBC +19]. Look
[Bog03, Kir03, Lew02b, O’L06b, Ste99].
Looking [Ano19-31, Ano19-32, Sch17b].
Lookup [KEF07]. Loop [LM07a]. Loss
[KNKP14]. Loss-of-Consciousness
[KNKP14]. Lossy [SSP06]. Lot
[O’L06f, Sch14]. Lots [Cho05a]. Lottery
[Cyb99c]. Love [Ano18-40, Day12f]. Low
[ABNZ09, CJTH +13, CS18, JPK01, Slo16].
Low-Cost [CJTH +13, JPK01].
Low-Dimensional [CS18]. Low-Income
[Slo16]. Lower [YMHQ19]. LQCD
[BST +06].

For M [Wep15]. Mach [ABNZ09]. Machine
[Ale13, Cyb01, Gor06c, MSM13, NWP19, PTH13, SR13]. Machine-Based [NWP19].
Machines [Che19, DPP +01, HP15, Hin17b, KM12, LGW19, WC17]. Macromolecular
[TGP13]. Macroscopic [HT99].
Madagascar [Fom15]. Magazine
[SCBT18, Thi15b]. Magazines
[Ano13d, Ano14e, Ano14f, Ano14g, Ano14h].
Magic [Har18, Hin20a]. Maglev [DLW +19].
Magnetic [MB07, SV14, TL08b].
Magnetism [Ass00].
Magnetohydrodynamic [MRNT17].
Magnetohydrodynamics [GPZ +04].
Magneton [FMB +07]. Mainstream
[DD05]. Maintaining [Dub05b]. Major
[Ano16n, Ano16o, Ano16p, Ano17p, Ano20n, Ano21k]. Majors [Slo16]. Mak [NG20].
Makes [Be10c, Day08c]. Making
[Bar11, CE18, FS12, Kra03, LLQ18, Nob07, PF04, Rag06, RSZ +20, RSZ +21, SKC00, Sul02a, Wil06, YaL10]. Male [Deb18].
Manage [KB04]. Managed [NCB +05].
Management [Ano18z, Ano19y, CF13, DVR +19, DBH +02, FWGB07, GB20, GSB +12, HL01, KPA +16, MWE08, MSL02, NVK99, NSLD99, PGF +15, SOH13, STM99, SBZ13, SF11, TSFG08, TL04b].
Managing [BDCT05, FB04, GP15, Hin12b, KB09, O’L06d, RMX12]. Manifold
[ZWYL20]. Mantle [MGZ00].
Manufacturing [FM13, SGW02]. Many
[BOS07, CWOL11, GHKR11, HKB12, KSP12]. Many-Core
[CWOL11, GHKR11, HKB12]. Map
[ZDW +07]. Maple [CW05b, CW05c, CW05d, CW05e, Dub00, Ron14]. Mapping
[JJ15]. MapReduce [Coh09]. Maps
[KSSF11]. March [Day18c]. Marching
[DSC +09]. Marine [Cor07, JJ15]. Marker
[ACQ +20]. Marketing [Ano00b, Smi99b].
Markov [DJ02, Ran06]. Mars
[MRNT17, VPL18]. MARTE [RGD13].
Mass [BZL +07]. Masses [DMXR +14].
Massive [Ber99, Gor06d, O’L06d, Ott16].
Massively [BGHR06, CWOL11, KKO +20].
Master [Pco20]. Mastering [Hin17a].
MPI [CNC10, Ong02]. MPPs [DSSS05].
Mr [Day09b]. Mr. [Smi00b]. MRI
[HMA00, MWC+16]. MRICloud
[MWC+16]. Mrs [Smi00b]. Multi
[Ano16-47, Ano16-48, RRN20]. Multi-Core
[Ano16-47, Ano16-48]. Multi-Objective
[RRN20]. Multiagent [YYL+18].
Multiagent-Based [YYL+18].
Multiagents [Naj08]. Multicanonical
[GH00]. Multicellular [CAS+07].
Multicharacterization [ALH15].
Multicomputers [SWP00]. Multicore
[Gor07c, KM12, WIL08]. Multicriteria
[LQ18]. Multics [MKM+14].
Multidimensional
[HW15, NSP12, O’L04e, SKN03, YKD+03].
Multigrid [BW06, BGHR06, FAL06, MR06,
O’L06b, OL06h, Yav06]. Multilevel
[PLW17]. Multimedia [EGFL12, Shi00c].
Multimillion [BW14]. Multimillion-Line
[BW14]. Multimodal [LPB13].
Multimodel [SPJ+14]. Multipart [Ben00].
Multiperspective [LHG18]. Multiphase
[BAD+21, FPRK16]. Multiphase-Flow
[FPRK16]. Multiphysics
[Gra08a, GZC14, KVP+16, KVP+17, TA05].
Multiple [Bea00, DKWL17, FM19, Kus06a,
LPY18, Smi03]. Multiple-Choice [Bea00].
Multiple-Precision [Smi03].
Multiple-Scales [Kus06a]. Multipole
[BS040, MBS+00]. Multiscale
[BP8+13, FMKS08, GZC14, GNB+09,
Hym05, IHL+02, LIL14, MM18, MCA05,
NBK+01, PAF08, Pey11b, SNCT13, SFSK01,
SK05, XKG05]. Multisensor [HSJ+19].
Multisensory [Har04a, Lofo3, Rob04].
Multitask [GVB15]. Multiterabyte
[TSKG03]. Multithreaded [SZM+13].
Multitier [PSS20]. Multivariable
[XZL+19]. Multivariate [AMCH07, DH12,
HH99, JMEL08, Liu15, SETK05].
Multiyear [JH16, Wol16]. Muscle [YHC07].
Muscles [Roh10]. Musings [Cho07a].
Mutation [HK09]. My
[Bei12c, Ben09, Day06b, Day10c, Day10d,
Day14c, MM14, TL08a, Toh08].
myComputer [Ano13p]. myCS
[Ano17w, Ano18-39, Ano18-40]. MyDB
[LT08].

N [Mol12]. Naked [Lau08]. Nallatech
[SG10]. Nanobiological [FMK08].
nanoHUB.org [KMB+08]. Nanoparticles
[KL01]. Nanophotonics [BVB+07].
Nanoscale [SKL10]. Nanoscience [RC01].
Nanosopic [Kry08]. Nanostructured
[KNG10, PZJS10, VW12]. Nanosystems
[NBK+01]. Nanotechnology
[KMB+08, RC01, SMC01]. Nanotubes
[SMC01]. NASA [DM12, LAY04, MB11,
MR13, MM14, Men16, SM17, SNCT13,
Sim13, SV14, YLR02]. Nascent [Tan21].
National [Tow18, Ano18-41, ES18, LBS14,
To13, WGI5]. Native [AAB+21]. Natural
[Aso04, FWGB07, HBG+20, KB04, MTR00,
TL04a, YHW05]. Nature [NTW07,
Rus03, Rus01a, Rus01b, Rus02, Rus03].
Naval [PAN+16b]. Navy [MSR+16].
NavyFOAM [KSM+17]. Near [CW05e,
Cho08c, JRP+17, MM13, ZMM03, Zei17].
Near-Fault [JRP+17]. Near-Field
[ZMM03]. Nebulae [WAS+12]. Necessary
[Toh28]. Necessity [Hem10]. Needed
[Ano15-37, Mes15]. Needs [HG02, Thi13d].
NEEShub [HEB+11]. Negative [Bot16].
Negotiating [SAD02]. Negotiations
[BFS04]. NEMO [KL10]. Nene [KPM10].
NERSC [BKK15, ECK+15, YBBP15].
Nerve [Has08]. NESP [MSR+16]. Nest
[Dub05c]. Network [Cas16, NCB+05, Put16,
ZZS+19, ZGR+17, ZZC+19, ZZYNH06].
Networking [ALH15, Ano18-43, Ano18-44,
BMC99, Hoe10, Thi06]. Networks
[AKB+02, Day13c, Fox01, Gor06c, JLP+10,
LTD11, LWG19, P116, Seg99, ZYKG04].
Neural [CWOL11, Fra07, Gor06c, JLP+10,
ZZS+19, ZZYNH06]. Neurocognitive
[Muz19]. Neuroimaging [SL03].
Neuroinformatics [MWC+16].
Neuromorph [Boa17]. Neuronal [Seg99]. Neuroscience [BFF12]. Neutrino [Cho07b]. Never [Dub07d]. News [BCC+99, Bur99, CC99, GJ03a, GJ03b, Gor03, Gor04a, GH04, Gor04b, Gor04c, Gor05c, Gor05d, Har04b, JG03, Jac03, LG03, Nob00b, Shi99, Shi00c, Shi00b, Shi00d, Shi00a, Shi01a, Tou00, Tou01].

Next [Ged16a, HP15, McM09, Sul02c, Tha14, Thi04, Thi15c, Will17].
Next-Generation [Ged16a, HP15, McM09].
Nice [Hem10].
NMR [EWN+13, XXK+02].
No [Day09b, Ome06]. NOAA [War18].
Nobel [Day12e].
node [YLCZ05]. Noise
[ATG05, GLS07, KPD+99, Kus06b].
Nominate [Ano19-38].
Nominations [Ano14y, Ano15g, Ano16c, Ano16d, Ano16n, Ano16o, Ano16p, Ano17a, Ano17b, Ano17p, Ano18b, Ano20n, Ano20s, Ano20-36, Ano21k].
Nominees [Ano15c, Ano16c, Ano16d, Ano17b].
Nonconventional [ZAF+01].
Nonequilibrium [MCAA05, dKCAY00].
Nonlinear [Bea00, FL05, JCC+10, LWG19, MS07, Rus02, YCKK03, ZB04].
Nonstationarity [ZB04]. Nonuniformly [HH06].
Nonvolatile [VM15].
O[L'O5d].
Normal [KS13].
Nose [LQZL19].
Note [ACF18, NSR10].
Notebooks [PFS21, Tan21, WBB+20].
Novel [CXc+20, FMB+07, KTG08, Kin09, LCC+19].
Novelty [Cho06e].
Novice [Sna12].
Novo [GLS11].
Novo-G [GLS11].
NP [Su04c].
NSAP [LZZ17].
NSF [Dub15b, Got15, Got16, Got17, Mor15].
NSF's [WDC18].
Nuclear [Liu11].
Number [ABNZ09, Ano05a, KM12, Peg12].
Number-Crunching [Peg12].
Numbers [Bau08, Hil15].
Numerical
[BKB20, CBS14, Die12, Ful06, GRS08, HT99, Hu07, KL07, Lud13, LL11, MGZ00, Moy06, MSS09, Nob02b, Pes03, Pey11a, Pey11b, Pey11c, Ram18, RK05, SA08a, SA08b, SS11, STTV05, Sul99b, Sul06b, Tur14b, WWJH20, XBK10, ZZYNH06, vdWCV11].
NumPy [PSSP15, vdWCV11].
Nvidia [HKB12].

Object [BJ02, Fox02c, GRE99, TSKG03, YaL10].
Object-Oriented [BJ02].
Objective [RRN20].
Objects [Ano11, Läu08, RMX12, Tofo99, IK05, Tofo05].
Obscure [Shi00a].
Observation [BVT+21].
Observations [The03].
Observatories [BHF+19].
Observer [Shi02b].
Obtaining [Azo06].
Occasion [Pre09].
Occupation [HSJ+19].
Ocean [BHF+08, WHM+02].
Oceanographic [IK05].
off [NLV99].
Office [MWE08].
offs [PKST08c].
Oh [Sul02d].
OK [Day11f].
Olfactory [WJ04].
Olive [GYF+10].
OMEN [KL10].
Once [Smi01a].
One [Ano17-29, Ano17-30, Ano18-42, Bar11, BOS07, Day11b, Dub15b, Wil16].
Online [Ano15c, COS+15, GPMSC20, GDDR16, Mar02, WCC+19].
Only [Smi09b].
Onward [Sul01a].
OOF [LFC01].
Open [ABC+14, AM15, Ano19-28, Ano19-27, Ano20-33, Ano20-34, Ano20-35, Ano20-56, Ano20-57, Ano21q, Ano21p, Bar20b, BCB07, CC03, CB06, KBD15, KNS18, Owe01, PGC21, Thi12a, Tow18, WBB+20, WCC+19, JRD+13, LFN+11, PFG+15].
Open-Circuit [WCC+19].
Open-Source [CC03, CB06, Owe01, PGC21].
OpenCL [Di 14, PCY14, RGD13, SGS10].
OpenGL [XYC05].
Opening [DiD03].
OpenMM [EP10].
OpenMP [BST+13].
OpenOffice.org [DiD03].
OpenPNM [Put16].
Opens [SP18].
OpenSees [McK11].
Operation [BDCT05].
Opportunities [DPG+12, EUD15, GPL09, Hin18a, LM07b, SL18, TGP13, VM15, WPW11, WCP17, THGS07].
Optical [GBP11, HO09, HJLH03, SGA03, ZMM03].
Optical-Disk [ZMM03].
Optics [Kup03, Oug03].
Optimal
[AR0+11, BKB20, BHL99, Bet99, MGFRL+12, WQLZ18, Zei17].
Optimization [Boc00, EVL+17, PSA14, SH10, SR12, XZL+19, YAA+00, ZLTX19].
Optimize [For01]. Optimizing [DADY15].
Option [GEH+99]. Option-Pricing [GEH+99]. Options [Ano15f, SSP06].
Orbit [NIV99]. Order [ASM+14, CPdIF+12, Pie04, SÜP+11, SSG16]. Oregon [Lan04].
Organ [SD11]. Org-Mode [SD11]. Organisms [RMX12].
Orthogonality [Nob02b]. Oscilloscopes [Cus14].
Orthogonal [Bal99, GYL17]. Outreach [HPC20, JPMG08]. Outward [Cho05].
Over-the-Horizon [Cho05b]. Overcome [Gar17]. Overlay [AEC+20].
Output [WCC+19, YMHQ19]. PDE-Solving [SBB+15].
Overview [Rei02]. Patterns [AAB+13, Blt02, QSEQJFH20, Rob13]. Pay [BS99a].
PCell [CFA04]. PCi [Tom00].
PDACS [MRU+15]. PDE [Roa04, SBB+15]. PDE-Solving [SBB+15].
PDEs [Bal99]. PE [BT10a]. Peaks [XXK+02]. Pedagogical [NIV20, Tan21].
Pedagogy [YM14]. Peer [Ano09b, Ano10c, Ano11d, Cho06f, Fox01, RBC+19, ZYKG04].
Peer-to-Peer [Fox01, ZYKG04]. Pegasus [DVR+19]. Pendulum [Mar02, OS03].

Parallel [BGH06, BBG+01, CF03, CWOL11, CNC10, CL12, CS14, CS15, DBH+02, Di 14, DPP+01, Esq11, Fal09, Fox02b, FPRK16, GHK+08, HW15, Hil15, Hin07, Jer13, KKO+20, Ong02, QPCJ07, Ra16, Rag06, Rag07, Rob13, SA08b, SCW+17, SÖS+00, SGS10, TLD02, VGM+09, VCGS11, Vor01a, WCAL14, Zei17]. Parallelizing [BST+13].
Parameters [Par00b]. Parametric [BTH99].
Parent [RMX12]. PaRSEC [BDD+13].
Part [AAGH17a, AAGH17b, For16a, HHZK01b, HHZK01a, KC09a, KC09b, KC09c, Pey11b, Pey11c, PNL+16, Tofo8, Tofo9a, Tofo9b, BC05b, CW05b, DR05c, DR05a, Don06a, Don06b, Läu06, LTG07, LT09, Mal07a, Mal07b, Pos04b, Rus01a, Rus01b, Rus02, Rus03, RD05a, RD05b, SA08a, SA08b, WHG21]. Partial [GWW09, JWEK06, JJH01, MSL+07, O’L06e, O’L07b].
Participation [BPW+20, HG00, HC17, Slo16]. Particle [Cre99, Dec15, JMELO8, Liu11].
Partitioning [AB03]. Partly [SS09]. Party [Sul07a]. Passing [Bau08, BBG+01, Fox02b, Vin12]. Past [Cho05f, Cho07c, CW20, Dan99, JH18].
Patch [Hym05]. Pathological [Sul04a].
Paths [AR0+11]. Pathway [Asr04, MPR18]. Patients [yFZDY13, SSG16]. Patron [Smi00a].
Pattern [Ano15f, SSP06]. Patterning [Rei02]. Patterns [AAB+13, Blt02, QSEQJFH20, Rob13]. Pay [BS99a].
PCell [CFA04]. PCi [Tom00].
PDACS [MRU+15]. PDE [Roa04, SBB+15]. PDE-Solving [SBB+15].
PDEs [Bal99]. PE [BT10a]. Peaks [XXK+02]. Pedagogical [NIV20, Tan21].
Pedagogy [YM14]. Peer [Ano09b, Ano10c, Ano11d, Cho06f, Fox01, RBC+19, ZYKG04].
Peer-to-Peer [Fox01, ZYKG04]. Pegasus [DVR+19]. Pendulum [Mar02, OS03].
Samsung [Tou02b], San [LC09], Sand [Bi00], SAR [MR13], SARS [XDK+20], SARS-CoV-2 [XDK+20], Satellite [BCA+00, HAB17, Lo99], Satellite-Constellation [Lo99], Savings [SW10], Say [Bei0e, Got02a, Sul04d], Says [Dub07b], SC98 [Dau99], Scaolding [Tob05], Scala [PTML11], Scala-Based [PTML11], Scalability [BBD+13, YLZ17], Scalable [Bry11, GLS11, GARS+20, KSM+17, LNI+19, Liu15, MSS09, NKV99, Par16, RSC+14], ScalaLab [PTML11], Scale [Ama00, BBM+15, BP99, CS14, CS15, Day14a, DMXR+14, Eis17, Far99, GL99, Gob05, HFF+14, HMB+14, JPE20, Jon15, KMSH10, LWF10, LCY*04, Ma16, MWE08, Rei02, Sahl03, SNTL13, Ste99, TB11, TWE14, TAM+14, VKN99, VM15, Wes21, WPZ00, WHW18], Scales [Gyu99, Kus06a], Scaling [GS03, Run03], Scarcity [RBK02], SCC [GHKR11], Scenario [AAGH17a, AAGH17b], Scenario-Based [AAGH17a, AAGH17b], Scenarios [PQ020, UGV11], Scene [ML02], Scheduling [WQLZ18], Scheme [PLW17], Scholars [Day13a, Slo16], Scholarship [AAGH17a, AAGH17b, GPMSC20, GPMSC20, Les16, Sca16], Schools [Ree16, Sul05b], Schroedinger [Moy06, RK05], SciDB [SBZB13, YBBP15], Science [AM18, Adl20, ABC+14, AHL+11, AAGH17a, AAGH17b, APC+19, Ama06, AMS14, Ano03, Ano05a, Ano12b, Ano15-37, BC02, BT17, Bar19, Bar20a, Bei10c, BSD07, BERT09, Car09a, Car12, CE14, Car16, CHC17, CCC03, Chr15, CW20, COS+15, CF13, DSPY05, Day06a, Day12a, Day14a, Day18d, DADY15, DPG+12, Dim09, DST+09, ESO08, FKD21, FM13, FGH20, FL99, FM02, Fox02a, FHM99, FWGB07, Gaao3, GPL09, GPMSC20, Gor07c, GCV08, Gor13, GK18, GHM+16, HP15, Hin18a, Hin15a, Hin15b, Hin17c, HG00, HPMJ12, HHR+13, JH18, JRD+13, KE05, KL15, Kax01, KB04, KMM+11, KRH+99, LC09, Les16, LM07b, MF16, MM12, Mas06, MMTD+17, MK10, Mem15, MV20, Mes15, MSM13, MSR15, NC18, NCB+05, OW01, PARD13, PV00, Pos07, Pos09, Ran06, Ree16, RRAB06, Ric99, RP20], Science [Run00, RF12, SDA20, Sca16, SDD+08, SKVN03, SCW+17, Slo16, SMS15, SKL10, SPB+20, Sul03a, Sul04a, Tan21, Tes15, Thi02, TB04, Thi13a, Thi15c, TX08, THGS07, TP04, Tur14a, VGD*11, WHG21, WMB20, WCP17, Wil16, Wil18, WL09, WBB+20, WC17, YBBP15, YRT+00, Day12e, Peo20, RTSS14a, RTSS14b, WDC18], Science-Based [Pos09], Sciences [Eis17, KB09, OW01, Sul09a, TS10, WDC18], Scientific [AAB+21, ARAG19, ABC+14, Ale18, Ano15-44, Bai05, BHF+08, Bas02, BCH+09, BMC99, BTK+21, BCC+09, Bli02, BM+15, BCA05a, BHC+15, Byn11, CCSS08, CHP+18, CHB19, CJL+18, CHJC05, Cho03, CS11, Day08a, DC04, Di11, DSK15, DDC04, Dra00, DY99, Dub09, Dub00, Dub02, Dub05b, Dub12, EYA+21, EYL+17, ERS+03, Esq11, FLV+09, Gob05, GP15, GRE99, GNB+09, HLRW17, HCH99, HHZK01b, HHZK01a, Hig04], Scientific [SSW21, SB00, Sto09, SL12, Sto12, Sza11, TWE14, TAF+18, TFF05, Ter11, TTT15, Thi07, Tob07, TCD+14, VB08, VSD+09, VMK20, Wan18, WG15, WD06, Wes21, WLY08, YKD+03, YBD10, Beh05, Wep15, BC05b], Scientist
VWP12, WSC+04, WHW18, ZMM03.

Simulation
[ASM+14, AM15, BAD+21, BKS15, CDF+04, Cas16, CR15, CYW01, CHC+11, CJTH+13, CSS00, CBS14, CFCD04, DLW+19, DAKM16, Die12, DH12, Don03, FMK08, GW15, GSB+12, Got02b, Gra07, HAB17, HWPS16, HLYQ19, HS12, HT99, Hil15, HPS04, Ikk16, IBPV03, Jon15, Kad04, KNG10, KBLE15, LSDP+04, LWT+13, LMC20, Lui06, LL11, MIAK09, MM04, Mal07b, MW14, MK11, Mil10, MGZ00, MM16, Muz19, NBK+01, NW15, Ork09, Par16, PV00, PCY14, PI16, PGC21, Pos04a, Pos04b, Saa09, SA08a, SA08b, SDA+14, SS11, SP+14, Str10, SKC05, TB11, TGP13, TR10, TAM+14, TL08b, UZC+12, Wai16, WAS+12, WWJH20, WLD01, Wol16, YZX04, YZC+13, YM14, YZC+19, dKCAY00, Mat05].

Simulation-Based [Mil10].

GEH+99, Gor06b, Gor08c, Gra08b, Gro09, Guo12, HAB17, HLS+16, HHP19, Hin13c, Hin15a, Hin15c, Hin19, Hoe10, HBG+20, HPC20, JH18, KC19, KMB+19, KHC+20, KHS09, KSM11, KVP+16, KVP+17, KB09, KSM+17, Kni05, KS20, LFK+19, LSN20, LSPN21, MBH14, MVC+16, MHD99, MBB+09, O’L06a, PSSP15, Pco20, PAN+16b, PK18, PBD+11, PMW20, RBC+19, Reb99, STWK15, Shi02b, SAK+13, SMF+13, SHPL12, SSW21, SRGK+18, TTT15, Tho12, TJCC20, WDC18, WW17, Wil06, WLO9, KNS18, CHN+13, DVR+19.

**State-of-Charge** [YYL+18]. **Statements** [KS20]. **States** [KLQ19]. **Stationary** [Moy06]. **Statistical** [CSS00, Gut01].

**Statistics** [BCC99, Hah04, Pie04, RT12, SS16, WCC02]. **Stay** [Ahn15-45, Ano18-15, Ano18-39, Ano19-40, Ano20-64].

**STC** [Ano13], Ano14-31. **Steered** [SPJ+14]. **Stella** [Cho04]. **Stellar** [MS09, WHW18]. **Stenosis** [DKCL14].

**Stepping** [Hin18b]. **Stereocilia** [YZC+13]. **Stiffness** [YLZ+19]. **Still** [WBP+19].

**Stitching** [LHW07], **Stochastic** [LWK07, PSA14, SETK05, She07, TX07, ZS07, ZZZ+19, ZLTX19]. **Stochastics** [LH06]. **Stock** [Bea00, MGFRL+12]. **Stokes** [OL06].

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