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Title word cross-reference

2 [Pos06]. 5*f* [MvdL09]. + [BUS08]. 2 [DW08]. 3 [DP02, Leg04]. 4
[GKMDA08a, GKMDA08b, WHG01]. 2 [MM03]. 3 [CFCT09, JT02]. 4
[MM03]. 60 [CFCT09]. *c* [BT05, HM02, KW09]. *L* [BUS08]. *β* [Zde02]. *d*
[Ste01, Ste06]. ϵ'/ϵ [BFE00]. *f* [Pfl09, SCA⁺09, Ste01, Ste06]. *H* [SKC02]. *M*
[Tay01]. μ [SBK00]. $\rightarrow \pi^+\nu\nu$ [BUS08]. $\rightarrow \pi^0\nu\nu$ [BUS08]. SO(5) [DHZ04]. *Z*
[RDR06, RDM00, Lan09].

-electron [Pfl09, SCA⁺09, Ste01, Ste06].

70 [Gre00]. **72** [Zan01, 't 02]. **73** [Leg03]. **76** [BFK⁺04b, BFK⁺04a]. **78**
[GHL⁺09, JTLJ06a]. **79** [HKP⁺07a, KMN⁺07b, PNHRD09].

80 [GKMDA08b]. **81** [EHM14, Mei09b, Nam10].

Abelian [NSS⁺08]. **absorption** [RA00]. **ac** [DS00]. **accelerators** [ESL09]. **accumulators** [Wei03]. **achieve** [RGC⁺08]. **acoustic** [PLT02]. **Acoustical** [May01]. **actinide** [MvdL09, SCA⁺09]. **Addendum** [Ste06]. **adiabatic** [KTS07]. **Advances** [Gie03]. **Aligning** [SS03]. **alkali** [Leg01, Leg03]. **alloy** [vdWC02]. **America** [RGC⁺08]. **American** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **amorphous** [PLT02]. **analog** [DC08]. **analogs** [May01]. **Anderson** [EM08]. **Andreev** [Bee08, Deu05]. **Angle** [DHS03]. **Angle-resolved** [DHS03]. **anisotropies** [Smo07]. **annealing** [DC08]. **Announcement** [Ano07]. **antiferromagnetism** [DHZ04]. **antimatter** [DK04]. **anyons** [NSS⁺08]. **Application** [Gre98, Gre00]. **applications** [Alf01, CHM08, GHL⁺06, GHL⁺09, KK08, OW07, RDB⁺09, ZFS04]. **approach** [BM03, DKI⁺03]. **approaches** [NM02, ORR02, RA00, ZD08]. **APS** [Spr08a]. **argon** [GG08]. **arrays** [SHS06, dA07]. **Artificial** [HM09]. **Aspects** [Cre01, GMD02]. **astronomy** [Gia03, Sah02]. **astrophysical** [ZMD04]. **astrophysics** [KP07, Kos03, RDR06]. **asymmetry** [DK04]. **Asymptotic** [Wil05, Gro05]. **atmospheric** [KT01]. **atom** [BMH08, Ket02]. **Atomic** [KP07, Gie03, GPS08, HFS03, JTLJ06a, JTLJ06b, Luk03, Wie09]. **atoms** [BGK⁺02, CSP09, FZ07, Ket02, RBH01, TRR00]. **atrix** [Tay01]. **attenuation** [PLT02]. **Attosecond** [KI09]. **attribution** [Pol05]. **authors** [Spr08a]. **avalanches** [AJ04]. **average** [NM02]. **axions** [BCK⁺03].

B [Hur03]. **background** [Smo07]. **band** [KIC⁺08, Kro01]. **Bang** [Mat07]. **based** [BGV02, ESL09, RWP05]. **beams** [Wei03]. **beginning** [Gin04]. **behave** [Ket02]. **behavior** [AKS01, AT06, Ste01, Ste06]. **Bénard** [AGL09]. **beta** [AEE08, SBNC06]. **between** [KMM09, TRR00]. **beyond** [Grü08, KO01, Mat07]. **Big** [Mat07]. **biological** [GNS02, KLLW07]. **Birth** [Kos03]. **body** [AFOV08, BMH08, BDZ08, DPS04, KIC⁺08, ORR02]. **Bogoliubov** [OKSD05]. **Boltzmann** [SKC02]. **Boost** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **Boost-Phase** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **Bose** [And04, CW02, Fet09, Ket02, Leg01, Leg03, MO06, OKSD05, Pos06]. **boson** [TKKTBW01]. **bosons** [Lan09]. **boundaries** [HM02]. **boundary** [VG07]. **bounded** [PLB08]. **branched** [JL09]. **breaking** [Fra01, Nam09, Nam10, SS00]. **brown** [BHLL01]. **Brownian** [Gre07, HM09]. **bubble** [BHL02, Mor07]. **Bulk** [OKSD05, Str09]. **bundles** [CCG⁺01]. **bursts** [Pir04].

C [CFCT09]. **calculations** [KSH⁺06]. **Calorimetry** [FG03]. **can** [RGC⁺08]. **carbon** [LML02]. **Carlo** [FMNR01]. **case** [Nam09, Nam10]. **Casimir** [KMM09]. **cavity** [BCK⁺03, RBH01]. **center** [CB09]. **century** [Dav03, Gin04]. **challenge** [vTS00]. **chaos** [PW07, WM09]. **Chaotic** [Sha08]. **Charge** [BKM02, GNS02]. **Charge-transfer** [BKM02]. **chemical** [GNS02]. **chemistry** [BM07]. **Chern** [Mar05]. **Chiral** [Cha03, Cre01]. **classes**

[Ódo04]. **Classical** [GMD02, BKV05, Zur03]. **cloning** [SIGA05]. **closed** [OW07]. **cluster** [BM07, MJPH05]. **clusters** [Mor07, Voi05]. **CODATA** [MT00, MT05, MTN08]. **coherent** [FIM05]. **Coherently** [KTS07]. **cold** [KGJ06]. **collective** [AT06, MS06]. **colliders** [RZ00, TKKTBW01]. **collisionally** [RWP05]. **collisions** [BMH08]. **Colloquium** [AJ04, AP06, Bad06, BM03, Bat07, Bee08, BBF⁺08, BMW09, CFCT09, CY03, DC08, DPS04, Dyr06, ECS04, FH03, Fie07, FT03, GLP⁺02, GPM06, Gon03, GNS02, GCH03, JL09, KTS07, KW09, LW05, Luk03, MNV09, Mor07, Ost05, OKSD05, PW07, PNHRD07, Pos06, PLB08, RDB⁺09, RWP05, Sac03, SHS06, Sha08, SE09, Sid09, SS03, Str09, SKC02, Tho09, Tso09, WSG08, YR09, Zde02, ZMD04, ZD08, dA07, PNHRD09]. **Color** [ASRS08, Ano07]. **combs** [CY03]. **compactification** [DK07]. **complete** [TRR00]. **Complex** [MI09, AB02, AK02, DGM08]. **compounds** [MRMN03, Pfl09]. **comprehensive** [DKI⁺03]. **computation** [DC08, GMD02, NSS⁺08, VC04]. **computing** [KMN⁺07a, KMN⁺07b]. **concept** [Alf01]. **concepts** [AT06, Leg01, Leg03, RDB⁺09]. **condensate** [OKSD05]. **condensates** [Fet09, MO06]. **condensation** [CW02, Ket02, Leg01, Leg03]. **Condensed** [CCG⁺01, CN04, May01]. **condensed-matter** [May01]. **conditions** [WHG01]. **conductance** [ECS04]. **conducting** [Shi01]. **conduction** [DS00]. **conductivity** [PLT02]. **configuration** [Kas08]. **confined** [Boo04]. **conformations** [JL09]. **confrontation** [t 00, 't 02]. **Conifolds** [GK08]. **consequences** [DRW06]. **consistency** [GG08]. **consistent** [BHR03]. **constant** [PR03]. **constants** [MT00, MT05, MTN08, Uza03]. **Continuous** [LR09, BvL05, KF08]. **Continuous-variable** [LR09]. **Control** [LK04, Bec05, VC04, WSG08]. **controlled** [KTS07]. **Controlling** [HM09, Str09]. **convection** [AGL09]. **conventional** [BVZ06, MZVW01]. **copyright** [Spr08a]. **core** [BKM02]. **corrals** [FH03]. **correlated** [ABGH09, DH07, Sha08]. **Cosmic** [Smo07, NW00, Voi05]. **cosmological** [PR03]. **cosmology** [BW06]. **counting** [EHM09b, EHM14]. **Coupled** [BM07]. **Coupled-cluster** [BM07]. **coupling** [Das04, GF04]. **CP** [BFE00, IN08, Kob09, Mas09]. **CP-violating** [BFE00]. **Critical** [BHL07, DGM08]. **Criticality** [WHG01]. **cross** [Nam09, Nam10]. **cryptography** [GRTZ02]. **crystal** [BdGDG01, DGC06, GPM06, IS06]. **crystalline** [Ugg05]. **crystallization** [Str09]. **crystallography** [RRG01]. **crystals** [BAP05, vTS00]. **cuprate** [DHS03, Deu05, Sac03, TK00]. **current** [GKI04]. **current-phase** [GKI04]. **curves** [OW07]. **cycle** [BK00]. **cyclotron** [Chu04].

D [Pos06]. **dark** [BCK⁺03, PR03]. **dark-matter** [BCK⁺03]. **Data** [GG08, KP07]. **dawn** [Gia03]. **dawning** [Shi01]. **days** [Leg04]. **decay** [AEE08, KO01, SBNC06, Zde02]. **decays** [DHZ06, Hur03]. **Decoherence** [Sch04, Zur03]. **Defects** [ABGH09, KF08]. **Defense** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **Defining** [Hal06]. **demon** [MNV09]. **dense** [ASRS08]. **density** [BdGDG01, Bec00, GR09, KK08, ORR02, Sch05].

density-functional [BdGDG01, Bec00, ORR02]. **density-matrix** [Sch05]. **dependent** [KK08]. **deposition** [WH00]. **derivative** [Spr08a]. **description** [Tho09]. **design** [PGT00]. **detect** [KBF⁺03]. **detection** [ZD08]. **determination** [LPT03]. **development** [Fer08]. **developments** [OS00]. **devices** [Gre98, Gre00, MSS01]. **diagram** [BMW09]. **dielectric** [PNHRD07, PNHRD09]. **diffraction** [LML02]. **Diffusion** [FFM⁺03]. **dilemma** [Pol05]. **dilute** [CW02, Pos06]. **dimensional** [DMW00]. **dimensions** [AKS01, KM07]. **dioxides** [SCA⁺09]. **Dipolar** [DMW00]. **Dirac** [Bat07]. **disaster** [JBWS00]. **discharge** [LLLG04]. **Disclinations** [KF08]. **discovery** [Gro05, HM00, Shi01, Smo07]. **dislocations** [KF08]. **disordered** [DS00, Sid09]. **Dissipation** [KM07]. **Dissipation-induced** [KM07]. **distribution** [JMST04, SBPC⁺09]. **DNA** [ECS04, Vio00, ZD08]. **do** [Gin04]. **does** [Mas09]. **dominated** [RWP05]. **Doping** [LNW06]. **dots** [Alh00, HKP⁺07a, HKP⁺07b, RM02, Sha08, vdWDE⁺03]. **Double** [AEE08, Alf01, Zde02, vdWDE⁺03]. **drag** [PLB08]. **driven** [ESL09, Hel01]. **duality** [SSJ04]. **dust** [SE09]. **dust-plasma** [SE09]. **dwarfs** [BHLL01]. **Dynamical** [RVSA06, SS00, FZ03, KSH⁺06]. **Dynamics** [CM09, MO06, AVS09, AGL09, BTW06, BKM02, CFL09, FS00, LBMW03, SRS05, TBBH05]. **dynamos** [GLP⁺02].

early [Leg04]. **edge** [Cha03]. **Editorial** [Spr08a, Spr08b, Spr08c]. **effect** [Bat07, CHM08, MS03, vdWC02]. **Effective** [BPSV05]. **Effective-field** [BPSV05]. **effects** [BF05, BGK⁺02, Buz05, CT05, DMW00, KIC⁺08, MS06]. **einselection** [Zur03]. **Einstein** [Leg03, CW02, Fet09, Ket02, Leg01, MO06, OKSD05, RDB⁺09]. **elastic** [Dyr06, Wit07]. **electric** [Tso09]. **electrical** [GCH03]. **Electrodynamics** [BT05]. **electromagnetic** [PNHRD07, PNHRD09]. **Electromagnetically** [FIM05]. **Electron** [GG08, KW09, vdWDE⁺03, Bat07, BDS08, Chu04, ESL09, HKP⁺07a, HKP⁺07b, LML02, NM02, Pf09, SCA⁺09, Ste01, Ste06, TRR00, Tho09]. **Electron-lattice** [KW09]. **electron-nucleus** [BDS08]. **electron-positron** [Tho09]. **Electronic** [CBR07, GPM06, KSH⁺06, ORR02, RM02, BLVE07, NGP⁺09]. **electronics** [Alf01]. **electrons** [DH07, KS01, Kro01, LW05, Sha08]. **Electrophoresis** [Vio00]. **Electrostatic** [ABD⁺06]. **electroweak** [SBNC06]. **elements** [HM00]. **emergence** [Gro05]. **emergent** [LW05]. **Energetic** [BF05]. **Energetics** [Zan00, Zan01]. **energies** [DKI⁺03]. **energy** [BMH08, GR09, NW00, PR03, RGC⁺08, SHS06]. **engineering** [MSS01]. **ensembles** [Luk03]. **Entanglement** [AFOV08, HHHH09, RBH01]. **entropy** [Ved02]. **environment** [Fer01]. **equation** [AK02]. **era** [Shi01]. **Erratum** [EHM14, GHL⁺09, Gre00, Leg03, PNHRD09, Zan01, 't 02]. **essay** [Bec05]. **evaluation** [DKI⁺03, GG08]. **evidence** [GGN03]. **evolution** [Voi05, WHW02]. **Exact** [FZ03]. **Exactly** [DPS04]. **exceptional** [Spr08b]. **excitations** [ORR02, OKSD05]. **expanded** [CFCT09]. **Experiment**

[KMM09]. **Experimental** [RDR06, SRS05]. **Experiments** [AJ04, BGV02, CW02, GLP⁺02]. **explosion** [WHW02]. **extragalactic** [Wid02]. **extrasolar** [BHLL01].

Factory [BGP⁺09]. **Falicov** [FZ03]. **fast** [RDM00]. **Feedback** [Bec05]. **Femtosecond** [CY03, RRG01]. **Fermi** [GPS08, vLRVW07, Ste01, Ste06]. **Fermi-liquid** [vLRVW07]. **fermions** [FS00]. **ferroelectric** [DRS05]. **ferromagnet** [BVE05, Buz05]. **ferromagnetic** [JSM⁺06, TBBH05]. **ferromagnets** [KIC⁺08]. **fertilization** [Nam09, Nam10]. **Feshbach** [KGJ06]. **few** [BK00, HKP⁺07a, HKP⁺07b]. **few-cycle** [BK00]. **few-electron** [HKP⁺07a, HKP⁺07b]. **fiber** [DGC06]. **Field** [Tho09, BHR03, BPSV05, DN01, FZ03, KSH⁺06, MI09, VP07]. **fields** [BK00, FGV01, Kro01, Lai01, Tso09, Ugg05, Wid02]. **Figures** [Ano07]. **film** [DRS05, Shi01]. **films** [CM09, DMW00]. **Final** [RZ00]. **Final-focus** [RZ00]. **fine** [RA00]. **Finite** [GKMDA08a, GKMDA08b, DHJ03, KM07]. **Finite-size** [GKMDA08a, GKMDA08b]. **first** [CW02]. **Flavor** [BGP⁺09, Kob09]. **flow** [Gro00, Ter00]. **flows** [VG07]. **fluctuating** [KBF⁺03]. **fluctuation** [EHM09b, EHM14]. **fluctuations** [EHM09b, EHM14, dJOS03]. **Fluid** [SQ05, FGV01, RWP05]. **Flux** [DK07]. **focus** [RZ00]. **focusing** [Wit07]. **folding** [BM03, PGT00]. **force** [Gie03, KMM09]. **forces** [EHM09a]. **formation** [LK04]. **forming** [Dyr06]. **Foundations** [BH07]. **Four** [BMH08]. **Four-body** [BMH08]. **fourth** [Hee01]. **Fractal** [AVS09]. **fractional** [Cha03, MS03]. **fragmentation** [TRR00]. **frames** [BRS07]. **free** [NM02]. **free-electron** [NM02]. **freedom** [Gro05, Wil05]. **freezing** [PGT00]. **frequencies** [Hal06]. **frequency** [CY03]. **friction** [VP07]. **Frontiers** [BK00]. **fullerides** [CFCT09]. **function** [ORR02]. **functional** [BdGDG01, Bec00, ORR02]. **functionals** [KK08]. **fundamental** [Leg01, Leg03, MT00, MT05, MTN08, Tay01, Uza03]. **Fundamentals** [SE09, ZFS04]. **future** [BHLD07, Fer08, Zde02].

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Hadron [DW08, TKKTBW01]. **hadronic** [DHZ06]. **Half** [KIC⁺08, Dav03]. **half-century** [Dav03]. **Half-metallic** [KIC⁺08]. **Hall** [Cha03, MS03]. **halos** [JRFG04]. **Hamiltonian** [CB09, MS03]. **hard** [Kla02]. **harmonic** [WSG08]. **harmonics** [TG09]. **Heat** [AGL09, VP07]. **heaviest** [HM00]. **heavy** [BPSV05, Lan09]. **helices** [KLLW07]. **Helioseismology** [CD02]. **helium** [BAP05]. **Heteropolymer** [PGT00]. **heterostructure** [Alf01]. **heterostructures** [Buz05, IS06, TBBH05]. **High** [MRMN03, TG09, BT05, BMH08, ECS04, FKMA⁺07, GR09, HM02, KBF⁺03, KW09, LNW06, NM02, RDR06, Wei03, WSG08]. **high-average-power** [NM02]. **high-conductance** [ECS04]. **high-energy** [BMH08]. **high-harmonic** [WSG08]. **high-intensity** [Wei03]. **High-order** [TG09]. **High-pressure** [MRMN03]. **high-T** [BT05, HM02]. **high-temperature** [FKMA⁺07, KBF⁺03, LNW06]. **Historical** [JO01, OS00]. **hole** [dA07]. **holographic** [Bou02]. **hundred** [Gla06]. **hydrodynamic** [ES06, SKC02]. **hydromagnetic** [GLP⁺02]. **hydrophobicity** [AP06].

ice [DRW06]. **II** [Abr04, MZVW01, MRMN03, SBK00]. **III** [JSM⁺06, MRMN03]. **illuminating** [Bat07]. **impact** [KW09, Sah02]. **impedance** [Sid09]. **implications** [GGN03, NW00]. **Impurity** [BVZ06, BCP08]. **Impurity-induced** [BVZ06]. **Inclusive** [BDS08, Hur03]. **incoherent** [Fie07]. **income** [YR09]. **Induced** [GF04, BVZ06, FIM05, KM07]. **Inelastic** [DH07, KS01]. **infinity** [’t 00, ’t 02]. **Inflation** [BTW06]. **influences** [BKV05]. **Information** [GMD02, BRS07, BvL05, MNV09, PT04, Ved02]. **Inhomogeneous** [CN04]. **instabilities** [KM07, vLRVW07]. **insulator** [LNW06]. **Intense** [BK00]. **intensity** [Wei03]. **interacting** [And04, BMW09, Pos06]. **interaction** [GF04, KW09, LMP03, Ugg05]. **interactions** [JL09, KLLW07, MS06, SCA⁺09, SE09, Vel00]. **Intercept** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **interdisciplinary** [MI09]. **interfaces** [IS06]. **interference** [Gre98, Gre00]. **interferometry** [CSP09, Sah02]. **intergalactic** [Mei09a, Mei09b]. **interpretations** [Sch04]. **interstellar** [Fer01]. **invariance** [BKV05, JO01]. **inversion** [GNS02]. **ion** [BMH08, Sid09]. **ion-atom** [BMH08]. **ionized** [HDB⁺09]. **ions** [LBMW03]. **irradiated** [TG09]. **Isotope** [CT05]. **Issues** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **IV** [MRMN03].

James [Deu05]. **Josephson** [DP02, GKI04, MSS01]. **Josephson-junction** [MSS01]. **Journal** [Ano07]. **junction** [MSS01]. **junctions** [GKI04]. **just** [Hog00].

Kapitza [Bat07]. **kernel** [WWAF06]. **key** [SBPC⁺09]. **Kimball** [FZ03]. **kinetic** [BF05]. **Klein** [Bee08]. **Kuramoto** [ABV⁺05].

Laboratory [GLP⁺02]. **lamps** [LLLG04]. **Landau** [AK02]. **large** [AGL09].

laser [BK00, ESL09, Ket02, SS03, TG09, WH00]. **laser-driven** [ESL09]. **laser-irradiated** [TG09]. **lasers** [NM02, RDR06]. **lattice** [Abr04, Cre01, KW09, Odo04, SKC02, vdWC02]. **lattices** [MO06]. **Laws** [Str09, JMST04]. **layers** [BDV07, VG07]. **leaves** [Spr08a]. **Lecture** [Nam10, 't 02, Abr04, Alf01, CW02, Dav03, Fer08, Gia03, Gin04, Gla06, Gro05, Grü08, Hal06, Hän06, Hee01, Ket02, Kob09, Kos03, Kro01, Leg04, Mac01, Mas09, Mat07, Nam09, Pol05, Shi01, Smo07, Vel00, Wil05, 't 00]. **length** [AP06]. **Light** [dA07, DH07, Gla06]. **Linear** [KMN⁺07a, RZ00, KMN⁺07b]. **links** [DP02]. **liquid** [CM09, Fie07, vLRVW07, SRS05, Ste01, Ste06, WHG01, vTS00]. **liquids** [Cha03, Das04, Dyr06, Tso09]. **localization** [SHS06]. **Long** [JTLJ06a, JTLJ06b]. **Long-range** [JTLJ06a, JTLJ06b]. **look** [RGC⁺08]. **Low** [PLT02, DW08, RWP05]. **Low-temperature** [PLT02, RWP05]. **Luttinger** [Cha03, Fie07].

Magnetic

[FZ07, DMW00, Gre98, Gre00, Lai01, vLRVW07, MZVW01, Wid02]. **magnetically** [Boo04, KGJ06]. **magnetization** [TBBH05]. **magneto** [BGK⁺02]. **magneto-optical** [BGK⁺02]. **Magnetohydrodynamic** [ZMD04]. **magnetoresistance** [Grü08]. **Majorana** [AEE08]. **managed** [Gin04]. **manganites** [SJ01]. **Manipulating** [RBH01, Luk03]. **manipulation** [SHS06]. **Many** [BDZ08, AFOV08, DPS04, Hel01, KIC⁺08, ORR02]. **Many-body** [BDZ08, AFOV08, DPS04, KIC⁺08, ORR02]. **many-particle** [Hel01]. **mapping** [Wie09]. **maser** [Chu04]. **mass** [AEE08]. **masses** [GGN03, LPT03]. **massive** [WHW02]. **materials** [ABD⁺06, Hee01, Kam02, KMM09]. **matrices** [PW07, WM09]. **matrix** [Sch05, Tay01]. **Matter** [Lai01, ASRS08, Bat07, BCK⁺03, BMW09, CN04, DK04, May01]. **matter-antimatter** [DK04]. **Maxwell** [MNV09]. **mean** [BHR03, FZ03, KSH⁺06]. **mean-field** [BHR03, FZ03, KSH⁺06]. **measurement** [BDV07, Sch04]. **measurements** [BUS08]. **Measuring** [FT03, Hal06]. **mechanics** [AB02, Sch04, Tay01, YR09]. **mechanisms** [Vio00]. **media** [AT06, BBF⁺08, FIM05, PNHRD07, PNHRD09]. **medium** [HDB⁺09, Mei09a, Mei09b]. **melting** [Str09]. **melts** [FFM⁺03]. **membranes** [dJOS03]. **mesh** [Bec00]. **mesoscopics** [GHL⁺06, GHL⁺09]. **Metallic** [AKS01, FFM⁺03, Hee01, KIC⁺08]. **metals** [ABGH09, Gon03, Mac01, MvdL09, SRS05, Ste01, Ste06]. **metamaterials** [BBF⁺08]. **method** [BCP08, WWA06]. **methods** [BMH08]. **Microfluidics** [SQ05]. **microgravity** [BHLD07]. **micromechanical** [SHS06]. **microscopes** [HFS03]. **Microscopic** [SRS05]. **microscopy** [Gie03]. **microtraps** [FZ07]. **Microwave** [BCK⁺03, Smo07]. **Mills** [SSJ04]. **minimum** [Gin04]. **mirages** [FH03]. **Missile** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **mixing** [GGN03, Kob09]. **Mn** [JSM⁺06]. **Mod**

[BFK⁺04b, BFK⁺04a, EHM14, GKMDA08b, GHL⁺09, Gre00, HKP⁺07a, JTLJ06a, KMN⁺07b, Leg03, Mei09b, Nam10, PNHRD09, Zan01, 't 02].

Mode [Das04]. **Mode-coupling** [Das04]. **model** [ABV⁺05, CMPN⁺05, FZ03, SBNC06, IN08, KO01]. **Modeling** [CFCT09, BDV07, RWP05]. **models** [BHR03, DPS04, Dyr06, PGT00]. **Modern** [EHM09a, Sah02, OS00]. **modification** [ABD⁺06]. **Molecular** [FS00]. **molecules** [CSP09, JTLJ06a, JTLJ06b, KGJ06, SS03]. **Momentum** [PNHRD07, PNHRD09]. **money** [YR09]. **Monte** [FMNR01]. **motion** [CB09, Gre07, Sid09]. **motors** [HM09]. **Mott** [LNW06]. **Multipolar** [SCA⁺09]. **Muon** [KO01].

nanoclusters [BF05]. **nanofabrication** [Ost05]. **nanofluidics** [SHR08]. **nanoliter** [SQ05]. **nanomagnetism** [Bad06]. **nanoscale** [HM09, Wie09]. **nanostructures** [SHB04]. **nanotube** [CCG⁺01]. **nanotubes** [CBR07, LML02]. **National** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **Nature** [MvdL09]. **Near** [VP07]. **Near-field** [VP07]. **Nematic** [vTS00]. **networks** [AB02, DGM08]. **neuroscience** [RVSA06]. **Neutrino** [GGN03, AEE08, BGV02, Kos03]. **neutrinos** [AEE08, Dav03, KT01]. **neutron** [DHJ03]. **NMR** [Gre07, VC04]. **Nobel** [Abr04, Alf01, CW02, Dav03, Fer08, Gia03, Gin04, Gla06, Gro05, Grü08, Hal06, Hän06, Hee01, Ket02, Kob09, Kos03, Kro01, Leg04, Mac01, Mas09, Mat07, Nam09, Nam10, Pol05, Shi01, Smo07, Vel00, Wil05, 't 00, 't 02]. **noise** [SSGO07]. **Non** [NSS⁺08, Ste01, Ste06]. **Non-Abelian** [NSS⁺08]. **Non-Fermi-liquid** [Ste01, Ste06]. **Noncommutative** [DN01]. **noncontact** [VP07]. **Nonequilibrium** [EHM09b, Ódo04, WHG01, EHM14]. **Nonlinear** [MS06, SHS06, AVS09, BK00, BH07, BGK⁺02]. **Nonlocal** [TBBH05]. **Note** [BFK⁺04b, BFK⁺04a, GKMDA08b, HKP⁺07a, JTLJ06a, KMN⁺07b, Mei09b, Nam10]. **novel** [ABD⁺06, Mac01]. **Nuclear** [LMP03, BHR03, CMPN⁺05, DHJ03, EHM09a, Gre98, Gre00, LPT03, PW07, SBNC06, WM09]. **nuclei** [DHJ03, Fra01]. **nucleus** [BDS08]. **Numerical** [BCP08].

Observation [KT01]. **observational** [Uza03]. **Observations** [NW00]. **Odd** [BVE05]. **offsets** [Kro01]. **One** [Gla06]. **Onsager** [ES06]. **onset** [Gro00]. **Opportunities** [Bad06, GHL⁺06, GHL⁺09]. **Optical** [LML02, BGK⁺02, CT05, CY03, Hal06, KMN⁺07a, KMN⁺07b, LR09, MO06, Sah02]. **Optics** [CSP09, FIM05, MTB06, Bat07, BK00]. **Optimal** [WSG08]. **Orbital** [KK08]. **Orbital-dependent** [KK08]. **Order** [Sac03, SSGO07, TG09]. **organic** [GPM06, Mac01]. **organized** [SHB04]. **Origin** [DK04, Fer08, Wid02]. **origins** [OS00, Zur03]. **oscillation** [BGV02]. **oscillations** [MZVW01]. **oscillator** [SHS06]. **other** [Vio00]. **our** [Fer01]. **oxides** [DRS05].

Pairing [DHJ03, TK00, MM03]. **paradigm** [ABV⁺05, SCA⁺09, Wil05]. **paradox** [RDB⁺09, Wil05]. **parameter** [BFE00]. **particle** [AP06, FG03, Hel01, Nam09, Nam10, dA07]. **Particles** [FGV01, Ugg05].

passage [KTS07]. **Passion** [Hän06]. **Past** [BHLD07]. **Patterns** [AT06].
Payment [Ano07]. **perturbation** [BdGDG01]. **Phase** [BFK⁺04b, BFK⁺04a,
 BFK⁺04c, BMW09, Kas08, Tso09, BKV05, GKI04, vLRVW07, Sac03].
phases [CCG⁺01, JT02, MRMN03, Pfi09]. **phenomena**
 [AKS01, ABV⁺05, BHLD07, BVE05, DGM08, LW05, RK02, SHR08].
Phonons [BdGDG01]. **photoassociation** [JTLJ06a, JTLJ06b].
photoemission [DHS03]. **photoexcited** [RK02]. **photon** [Luk03, MS06].
photon-photon [MS06]. **photon-plasma** [MS06]. **Photonic**
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photoproduction [Kla02]. **Phys**
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 JTLJ06a, KMN⁺07b, Leg03, Mei09b, Nam10, PNHRD09, Zan01, 't 02].
Physical [BFK⁺04b, BFK⁺04a, BFK⁺04c, Vio00, ZD08, Gin04, MT00,
 MT05, MTN08, PGT00]. **Physically** [RWP05]. **physicists** [Bec05]. **Physics**
 [Boo04, DRS05, ESL09, GHL⁺06, GHL⁺09, LNW06, Spr08b, Alf01, BDZ08,
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 LLLG04, MM03, MNV09, Mei09a, Mei09b, Nam09, Nam10, OW07, Pir04,
 RDM00, SJ01, SQ05, TKKTBW01, WM09]. **physisorbed** [BDV07]. **picture**
 [BM03]. **pinches** [RDR06, RDM00]. **plane** [SSJ04]. **plane-wave** [SSJ04].
plane-wave/super [SSJ04]. **planets** [BHLL01, Gon03]. **plasma**
 [ESL09, MS06, SE09, TG09]. **plasma-based** [ESL09]. **plasmas**
 [Boo04, GR09, MI09, Ost05, RWP05, Tho09, ZMD04]. **Plasmonics**
 [BBF⁺08]. **Podolsky** [RDB⁺09]. **point** [SRS05]. **Policy** [Ano07].
polyacetylene [Shi01]. **polyelectrolytes** [JL09, Vio00]. **polymer** [OW07].
polymeric [Hee01]. **polymers** [Hee01, Mac01, PLB08, Shi01, Str09, Tso09].
polynomial [WWAF06]. **positron** [Tho09]. **power** [NM02, RDR06].
practical [SBPC⁺09]. **precise** [BUS08]. **precision** [Hän06]. **premelted**
 [DRW06]. **Present** [Hur03, BHLD07]. **pressure** [MRMN03]. **Prices** [Ano07].
primer [Kam02]. **principle** [Bou02]. **principles** [RVSA06]. **Print** [Ano07].
Prize [Mat07]. **probe** [Deu05, HFS03]. **problem** [Sch04]. **problems**
 [May01]. **processes** [LMP03]. **Production** [KGJ06]. **Progress** [BDV07].
properties [BF05, BdGDG01, CFCT09, CBR07, NGP⁺09, SHB04]. **protein**
 [BM03, PGT00]. **proton** [Bas05, GF04, Wei03]. **Proximity** [Buz05].
pseudoscalar [GF04]. **Publisher** [BFK⁺04b, BFK⁺04a, GKMDA08b,
 HKP⁺07a, JTLJ06a, KMN⁺07b, Mei09b, Nam10]. **Pulsed** [WH00]. **pulses**
 [SS03].

Q [DW08]. **QCD** [CN04, Gro05]. **quanta** [Gla06]. **Quantum** [BvL05, DC08,
 FMNR01, GRTZ02, HHHH09, LBMW03, MJPH05, MSS01, PT04, SIGA05,
 Alh00, BM07, BRS07, BKV05, BCP08, Cha03, DPS04, EHM09b, EHM14,
 FH03, GMD02, Gre98, Gre00, HKP⁺07a, HKP⁺07b, JRFG04, KMN⁺07a,
 KMN⁺07b, vLRVW07, LR09, MZVW01, MS03, NSS⁺08, RBH01, RM02,
 Sac03, SBPC⁺09, Sch04, Sha08, Tay01, VC04, Ved02, Zur03, vdWDE⁺03].
Quantum-state [MSS01, LR09]. **quark** [ASRS08, Wil00]. **Quarkonia**

[EGMR08]. **quarkonium** [BPSV05]. **quasi** [DMW00]. **quasi-two-dimensional** [DMW00]. **quasielastic** [BDS08]. **Quasielectric** [Kro01]. **qubits** [KMN⁺07a, KMN⁺07b]. **quest** [ECS04].

radiation [Smo07]. **radiative** [VP07, vTS00]. **Random** [PW07, WM09, BBF⁺08]. **range** [JTLJ06a, JTLJ06b]. **rare** [Hur03]. **ray** [DKI⁺03, Gia03, GR09, KP07, KS01, Pir04, RA00, RRG01]. **Rayleigh** [AGL09]. **rays** [NW00]. **reactions** [JRFG04]. **Reactive** [Ost05]. **Reactor** [BGV02]. **Reactor-based** [BGV02]. **Real** [Bec00, KMM09]. **Real-space** [Bec00]. **reappraisal** [KF08]. **recommended** [MT00, MT05, MTN08]. **reduce** [RGC⁺08]. **reduction** [PLB08]. **Reference** [BRS07]. **reflected** [Gre07]. **reflection** [Bee08]. **reflections** [Deu05]. **refrigeration** [GHL⁺06, GHL⁺09]. **regime** [MTB06]. **reheating** [BTW06]. **related** [AKS01, BdGDG01, BVE05, Hel01]. **relation** [GKI04]. **relative** [Ved02]. **relativistic** [MTB06, Ugg05]. **Relativity** [PT04]. **renormalization** [BCP08, Sch05, VG07]. **Report** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **research** [MI09, Spr08b, Zde02]. **resistivity** [GCH03]. **resolved** [DHS03]. **resonance** [Gre98, Gre00]. **resonances** [KGG06]. **Resonant** [BGK⁺02, KS01, BKM02]. **resonators** [BBF⁺08]. **Rev** [BFK⁺04b, BFK⁺04a, EHM14, GKMDA08b, GHL⁺09, Gre00, HKP⁺07a, JTLJ06a, KMN⁺07b, Leg03, Mei09b, Nam10, PNHRD09, Zan01, 't 02]. **Review** [JBWS00]. **RHIC** [JBWS00]. **Richardson** [DPS04]. **Role** [SKC02, Mac01, Ved02]. **roots** [JO01]. **Rosen** [RDB⁺09]. **Rotating** [Fet09, Fra01]. **rules** [BRS07]. **RuO** [MM03].

S1 [BFK⁺04b, BFK⁺04a]. **Saint** [Deu05]. **Saint-James** [Deu05]. **Saturation** [GCH03]. **scale** [AGL09, BKV05, HFS03, SQ05, Wie09]. **Scaled** [AP06]. **scales** [AP06, ZMD04]. **Scaling** [JMST04, GKMDA08a, GKMDA08b, Sid09]. **Scanning** [FKMA⁺07, HFS03]. **scattering** [BDS08, DH07, GG08, GR09, JTLJ06a, JTLJ06b, KS01, dA07]. **scenarios** [JBWS00]. **Scientific** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **searches** [BCK⁺03]. **security** [RGC⁺08, SBPC⁺09]. **seen** [Leg04]. **Self** [BHR03, Hel01, SHB04]. **Self-consistent** [BHR03]. **self-driven** [Hel01]. **self-organized** [SHB04]. **Semiconducting** [Hee01]. **semiconductor** [SHB04]. **semiconductors** [CT05, JSM⁺06, RK02]. **sequencing** [ZD08]. **shear** [Gro00]. **sheared** [Ter00]. **sheets** [Wit07]. **shell** [CMPN⁺05]. **Si** [Zan01, Zan00]. **Simons** [Mar05]. **Simple** [VG07, ABV⁺05]. **simulations** [FMNR01, LML02, RG00, SKC02]. **Single** [BHL02, GPM06, LBMW03]. **Single-bubble** [BHL02]. **single-crystal** [GPM06]. **size** [GKMDA08a, GKMDA08b]. **smectic** [dJOS03]. **Soap** [Mor07]. **social** [CFL09]. **Society** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **soft** [Kam02]. **solar** [Dav03]. **solids** [DS00, FMNR01, KS01, PLT02, Sid09]. **solitons** [SY07]. **solvable** [DPS04]. **Some** [Leg01, Leg03, OW07, CW02, OS00]. **sonoluminescence** [BHL02]. **space** [Bec00, Kas08, ZMD04].

Spatiotemporal [SSGO07]. **spectra** [CT05, KS01, PW07]. **spectroscopies** [BKM02]. **spectroscopy** [FKMA⁺07, JTLJ06a, JTLJ06b, Sid09]. **speculative** [JBWS00]. **Spin** [Wie09, Bas05, Fie07, Grü08, MM03]. **spin-incoherent** [Fie07]. **spin-triplet** [MM03]. **Spins** [HKP⁺07b, HKP⁺07a]. **Spintronics** [ZFS04, Fer08]. **spiral** [HDB⁺09]. **Spontaneous** [Fra01, Nam09, Nam10]. **spotlighting** [Spr08b]. **spreading** [BEI⁺09]. **SR** [SBK00, MM03]. **stability** [CM09]. **standard** [SBNC06, IN08, KO01]. **Star** [JL09, LK04]. **Star-branched** [JL09]. **Stars** [Gon03, DHJ03, LMP03, WHW02]. **state** [LR09, MSS01, SBK00, TRR00]. **states** [BVZ06, Luk03, MZVW01, MvdL09]. **Statistical** [AB02, CFL09, OW07, YR09, Alh00]. **statistics** [EHM09b, EHM14]. **status** [Hur03, Uza03]. **Stress** [Wit07]. **String** [BW06]. **strings** [IN08, Mar05]. **stripes** [KBF⁺03]. **strong** [Lai01, SS03, Ugg05]. **strongly** [BMW09, Sha08]. **Structural** [BF05, SHB04]. **Structure** [JRFG04, KLLW07, SJ01, dJOS03, Bas05, BHR03, CMPN⁺05, DW08, KIC⁺08, KSH⁺06, RA00, RM02, WM09]. **structures** [AVS09, BVE05]. **studied** [BKM02]. **studies** [DHS03, SBK00]. **Study** [BFK⁺04b, BFK⁺04a, BFK⁺04c]. **Studying** [Wil00]. **substitutional** [vdWC02]. **super** [SSJ04, BGP⁺09]. **Superconducting** [Pfl09, CFCT09, Gre98, Gre00, JT02]. **superconductivity** [ASRS08, BVE05, CN04, DHZ04, Gin04, KW09, LNW06, MM03]. **superconductor** [BVE05, Buz05]. **superconductor-ferromagnet** [BVE05, Buz05]. **superconductors** [Abr04, ABGH09, BVZ06, BT05, DHS03, Deu05, FKMA⁺07, HM02, KBF⁺03, MZVW01, Sac03, SBK00, TK00]. **Supercontinuum** [DGC06]. **supercooled** [Das04, FFM⁺03]. **Superfluid** [DP02, Leg04, GKMDA08a, GKMDA08b]. **superfluidity** [Gin04, WHG01]. **superselection** [BRS07]. **supersonic** [LK04]. **Supersymmetric** [SY07]. **supersymmetry** [SS00]. **Suppression** [Ter00]. **surface** [BAP05]. **surfaces** [TG09]. **survey** [Gre07]. **symmetry** [Cre01, Fra01, Nam09, Nam10, TK00]. **synchronization** [ABV⁺05]. **Synchrotrons** [Wei03]. **Synthetic** [Mac01]. **System** [BFK⁺04a]. **Systems** [BFK⁺04b, BFK⁺04c, AFOV08, BLVE07, BCP08, DMW00, DHJ03, DPS04, EHM09b, EHM14, GNS02, Hel01, Ódo04, RZ00, SCA⁺09].

T [BT05, HM02, KW09]. **tau** [DHZ06]. **teaching** [Kro01]. **Technical** [BFK⁺04b, BFK⁺04a, BFK⁺04c, NM02]. **techniques** [Bec00, VC04]. **technology** [Alf01, Sah02]. **tell** [Mas09]. **temperature** [FKMA⁺07, KBF⁺03, LNW06, PLT02, RWP05]. **Tests** [SBNC06]. **Their** [Smo07, EGMR08, JL09, Uza03]. **theorem** [SKC02]. **theorems** [EHM09b, EHM14]. **theoretic** [Tho09]. **Theoretical** [AT06, RA00, Uza03]. **Theories** [HFS03, BPSV05, MJPH05, MS03]. **theorist** [Leg04]. **Theory** [And04, BFE00, FH03, GPS08, JSM⁺06, Kla02, KK08, PLB08, RK02, Alh00, AP06, BdGDG01, BM07, Bec00, BH07, BHLL01, CB09, Das04, DHZ04, DN01, EHM09a, ES06, FZ03, KMM09, KSH⁺06, Mar05, OS00, PT04, RG00, TRR00, Tay01, Ved02]. **thermal** [PLT02]. **thermodynamic** [BF05].

thermodynamics [vdWC02]. **thermometry** [GHL⁺06, GHL⁺09]. **thin** [CM09, DRS05, DMW00]. **thin-film** [DRS05]. **Thomson** [GR09]. **time** [ZMD04]. **tomography** [LR09]. **tool** [Ost05]. **top** [Wil00]. **topological** [Mar05, NSS⁺08]. **topology** [Kas08, OW07]. **Tracing** [Voi05]. **Traffic** [Hel01]. **transfer** [AGL09, BKM02, VP07, vTS00]. **transistors** [GPM06]. **transition** [Das04, DKI⁺03, Dyr06, GKMDA08a, GKMDA08b]. **transitions** [BKV05, EGMR08, EM08, GK08, Kas08, vLRVW07, Sac03, Tso09]. **transparency** [FIM05]. **Transport** [SHR08, CBR07, GPM06, HM09, SJ01, Ter00, vdWDE⁺03]. **trapped** [Fet09, LBMW03]. **Trapping** [Luk03]. **trends** [LPT03]. **tricks** [Kro01]. **triplet** [BVE05, MM03]. **tube** [BM03]. **tunable** [KGJ06]. **tunneling** [Bee08, FKMA⁺07]. **turbulence** [ES06, FGV01, Gro00, LK04, PLB08, Ter00, ZMD04]. **turbulent** [AGL09]. **tutorial** [Bec05]. **two** [AKS01, DMW00, TRR00]. **two-electron** [TRR00]. **type** [MZVW01, SBK00, Abr04]. **type-II** [MZVW01, SBK00, Abr04].

Ultracold [JTLJ06b, BDZ08, FZ07, GPS08, JTLJ06a]. **ultrafast** [RK02]. **ultrahigh** [NW00]. **ultrahigh-energy** [NW00]. **ultrarelativistic** [Tho09]. **unconventional** [BVZ06, CFCT09]. **Understanding** [Sid09, FT03]. **unified** [CMPN⁺05]. **Universality** [DS00, Ódo04]. **universe** [FT03, Hog00]. **Unruh** [CHM08]. **Unusual** [BBF⁺08]. **UPt** [JT02]. **using** [BKM02]. **utilization** [Smo07].

V [JSM⁺06, MRMN03]. **values** [MT00, MT05, MTN08]. **vaporization** [WH00]. **variable** [LR09]. **variables** [BvL05]. **variation** [Uza03]. **versatile** [Ost05]. **versus** [ORR02]. **VI** [MRMN03]. **via** [KGJ06]. **vibrations** [vdWC02]. **view** [CMPN⁺05, SRS05]. **violating** [BFE00]. **violation** [IN08, Kob09, Mas09]. **viscous** [VG07]. **Vortex** [MZVW01, Abr04, AJ04, SBK00].

W [TKKTBW01]. **Waiting** [BUS08]. **wall** [PLB08]. **wall-bounded** [PLB08]. **Wang** [Spr08c]. **warm** [HDB⁺09]. **warming** [RGC⁺08]. **wave** [PNHRD07, PNHRD09]. **wave/super** [SSJ04]. **waves** [Grü08, Ket02]. **weak** [DP02, GF04, LMP03, Vel00]. **weak-interaction** [LMP03]. **Weakly** [Pos06, And04]. **wealth** [YR09]. **Wei** [Spr08c]. **well** [Gin04]. **Wetting** [BEI⁺09]. **Which** [Spr08c]. **within** [RGC⁺08]. **works** [Spr08a]. **world** [AK02].

X [DKI⁺03, Gia03, GR09, KP07, KS01, RA00, RRG01]. **X-ray** [DKI⁺03, Gia03, GR09, KP07, KS01, RA00, RRG01]. **XXI** [Gin04].

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