

A Complete Bibliography of Publications in *Reviews of Modern Physics* (2010–2019)

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/>

01 March 2019
Version 1.26

Title word cross-reference

$1/f$ [PGFA14]. $2+1$ [BTB⁺10]. 511 [PBB⁺11]. ¹² [dGW⁺17]. ¹⁶ [dGW⁺17].
³ [GNSW17]. ² [MO11, UBS⁺16]. ³ [KKS⁺12]. _s [RP12]. _s⁰ [ABL16]. α
[THSR17]. α, γ [dGW⁺17]. B [BMV15]. \bar{h} [DG12]. β [HSB⁺18, VWT15]. \mathcal{PT}
[KYZ16]. e^+e^- [DESS11]. $f(R)$ [SF10a]. N_c [MS15]. p [Ama15]. pp [A⁺11]. s
[KGBA11]. sp^2 [MSBD16].

-based [MSBD16]. **-particle** [THSR17]. **-symmetric** [KYZ16]. **-type**
[Ama15].

125 [BH14].

65 [Mer17].

81 [EHM14, Nam10]. **82** [Pow10b, TS10b]. **83**

[CHT11b, HW11a, KMT11a, SH11b, UHS⁺17]. **84** [AgCMK12b]. **86** [BCP⁺14b, TSNK14b, ZJB14b].

Abrikosov [VGG18]. **Accelerating** [Sch12, Rie12]. **acceleration** [Per12]. **accelerators** [CPL⁺13, DZD⁺18, HSXZ14, ea14]. **Achievement** [Wit18]. **acoustics** [FY11]. **acoustofluidics** [FY11]. **across** [BRBC⁺12, FZ12]. **active** [MJR⁺13]. **adaptive** [SF10b]. **adherent** [SS13]. **Adiabatic** [AL18, VRSB17]. **advection** [ABB⁺17]. **against** [SÁ16]. **Alfvén** [CZ16]. **algebraic** [CvD10, DG17]. **algorithms** [CvD10]. **allowed** [HSB⁺18]. **Alternatives** [CGT16]. **amorphous** [BB11, NFMB18]. **ampere** [PSM⁺13]. **amplification** [CDG⁺10]. **Amplifying** [NJBN12]. **Analogies** [SRHM10]. **analog** [LRW⁺12]. **analysis** [ES10, EFS15]. **analytical** [HSB⁺18]. **Anderson** [Var15]. **angular** [LBTY17]. **anisotropies** [KAAB⁺18]. **anisotropy** [DC17]. **annihilation** [GYS10, PBB⁺11, TM13]. **Anniversaries** [ST18]. **Announcement** [Ano18]. **Annual** [FLS13]. **Anomalous** [NSO⁺10]. **anomaly** [BH13]. **ansatz** [GBL13]. **Antiferroelectric** [TGC10]. **Antiferromagnetic** [BMT⁺18, Dai15]. **apertures** [GVMMEK10]. **Application** [KVNf12]. **applications** [ATE⁺14, CHT11a, CHT11b, CBTW17, DC17, DMM⁺14, KKS⁺12, KSLUS18, MMY⁺12, SGOMF13]. **approach** [MSH⁺12]. **APS** [Mey17, Wit18]. **Area** [ECP10]. **article** [Wit18]. **Artificial** [DGJÖ11, NMS13]. **aspects** [GT10, Hin12]. **assembled** [SW10]. **Astromaterial** [CH17]. **astronomy** [A⁺13]. **astrophysical** [HL11]. **astrophysics** [AD10, KZ11]. **Asymmetries** [ASAJPV15]. **atmospheric** [Kaj16]. **atom** [ES10, SW10]. **atomic** [AHV13, BLHE12, CB17, CJC10, DD11, FSRD13, HSP10, HW11a, HW11b, LBY⁺15, PSO⁺18, SSdRG11]. **atomically** [WCG⁺18]. **atoms** [CDGT⁺18, DGJÖ11, HNS13, LMD⁺13, Met17, RR15, RDBE13, SWM10, SBD⁺18, TBC⁺16]. **attachment** [GYS10]. **Attosecond** [PNB15]. **autoionization** [ACM10]. **Axions** [KC10].

B [ABL16]. **Background** [Nak15, KAAB⁺18]. **bang** [CFOY16]. **barrier** [BBS12]. **Baryon** [KR10, MS15]. **baryons** [OSZ18]. **based** [Dai15, DDGS15, DZD⁺18, MSBD16, RR15, SSdRG11]. **Basics** [DMM⁺14]. **basis** [DC11]. **Bayesian** [FS13, vT11]. **Beam** [HSXZ14, Ama15]. **Beams** [LBTY17]. **BEH** [Eng14]. **behavior** [MD18]. **Bell** [Mer16, Mer17, BCP⁺14a, BCP⁺14b, Mer93]. **benefits** [SESE10]. **bent** [JLS18]. **bent-shaped** [JLS18]. **Bernal** [TS10b, TS10a]. **Berry** [XCN10]. **Beta** [AHV13]. **Beta-delayed** [AHV13]. **Bethe** [GBL13]. **between** [HSP10, SRHM10]. **Beyond** [ISG12, ASG⁺16, DeG16, LRW⁺12, RHT⁺18, TS10a, TS10b, VRSB17]. **Big** [CFOY16]. **billiards** [JS17]. **binaries** [CBKvM10]. **binding** [DZ10]. **biology** [KT15]. **Biophysical** [Gol14]. **birth** [ACM10, Lal14]. **bits** [SPM⁺10]. **Black** [CBKvM10, Bam17, GEG10, Har16, KZ11]. **Black-hole** [CBKvM10]. **blue** [Aka15, Nak15]. **body** [GGPR17, HNS13]. **bones** [BK10]. **Born** [TBC⁺16]. **Bose** [DHY10, SKU13, ZJB14a, ZJB14b]. **boson** [BH14, Eng14, SRHM10].

bosons [CCG⁺11]. **bound** [GYS10]. **boundary** [Har13, MBC⁺12]. **bounds** [dRDTZ17]. **box** [Har13]. **brain** [TB18]. **breaking** [Nam09, Nam10, SH13]. **buffer** [Ama15]. **built** [CDGT⁺18]. **bundles** [PHC10]. **burning** [CZ16, dGW⁺17]. **bursts** [MM12].

C [dGW⁺17]. **calculations** [FGH⁺14]. **calculus** [Wes14]. **caliber** [PGLD13]. **calorimetry** [LLW18, SWK⁺16]. **candidates** [Bam17]. **carbon** [LKS⁺15, MPG13, MSBD16]. **Carlo** [CGP⁺15, GML⁺11]. **Carrier** [UHS⁺11, UHS⁺17]. **case** [MO11, Nam09, Nam10]. **Casimir** [MD18, WDT⁺16]. **cat** [Win13]. **Cavity** [AKM14, RR15, RDBE13]. **Cavity-based** [RR15]. **cavity-generated** [RDBE13]. **CCD** [Boy10, Smi10]. **cells** [Bet15, SS13]. **Center** [GEG10]. **centuries** [Kao10]. **chain** [A⁺11]. **change** [McD16]. **channels** [CGLM14]. **chaos** [CW15, MRW10]. **chaotic** [ABB⁺17]. **characterization** [MBSR⁺18]. **Charge** [LPT10, Phi10]. **charged** [KSLUS18]. **chemical** [AAL⁺10]. **chemistry** [VRSB17]. **Chief** [Mey17]. **chiral** [BH13]. **choice** [sMKZ16]. **chronoscopy** [PNB15]. **circuits** [NJBN12, XAYN13]. **classical** [Car14, DS12, Har13, MBC⁺12, SF10b]. **classical-quantum** [MBC⁺12]. **Classification** [CTSR16]. **clathrates** [TSNK14a, TSNK14b]. **clocks** [DK11, KSLUS18, LBY⁺15]. **closed** [PSSV11]. **Cluster** [EDM13, FMBT⁺10, FW13, GEG10, GGPR17]. **clustering** [FHKE⁺18]. **clusters** [HGH⁺12, VGG18]. **CNO** [A⁺11]. **CODATA** [MTN12]. **coexistence** [HW11a, HW11b]. **coherence** [FS13, SAP17]. **Coherent** [BBF⁺16, FSRD13]. **Cold** [RDBE13, VCTL⁺12, HNS13]. **collapse** [BLS⁺13, Bur13]. **Collective** [MD18, SE11]. **colliders** [ASAJPV15, FGN10]. **collisions** [DESS11, Shu17]. **colloidal** [ZMB17]. **colloids** [MD18]. **Colloquium** [AgCMK12a, AgCMK12b, APV12, AWBF⁺16, ACM10, BFL⁺14, BSVH18, BMV15, BP12, BLPV16, BK10, Bur13, BLW14, CHT11a, CH17, CFM⁺14, CDGT⁺18, DGJÖ11, DG17, DS12, DK11, DZ10, DMM⁺14, DM10, DD11, ECP10, EF15, FKT15, Gol14, GK18, Gra15, GWY⁺18, HNS13, HL11, HK10, Hoh10, HGH⁺12, KT15, KVNf12, KKY18, LSK14, LRW⁺12, MJT15, Met17, Muñ18, MO11, NJBN12, OBN16, Per10, Phi10, PSSV11, RWF17, Rur10, SH13, Sch17, SH11a, SE11, SPM⁺10, SG10, SW10, SKKG10, SAP17, SÁ16, TB18, THSR17, UBS⁺16, VMU⁺13, WCG⁺18, WAC⁺16, Wen17, Wes14, WG11, ZMB17, ZC13, vHZ10, A⁺13, AHV13, CHT11b, EDM13, FSRD13, FLS13, LMD⁺13, NMS13, SH11b]. **color** [ACC⁺14]. **columns** [Gra15]. **common** [Sca12]. **communication** [BCMdw10]. **Comparison** [HL11]. **Compass** [NvdB15]. **Complex** [SGOMF13, LB16, PSCVV15, RG17]. **complexes** [JM18]. **Complexity** [ST11, BCMdw10, TGC10, Wes14]. **Compound** [EBD⁺12]. **Compound-nuclear** [EBD⁺12]. **compounds** [Ste11]. **computation** [AL18]. **concepts** [JWN⁺14, KT15]. **condensate** [THSR17]. **condensation** [DHY10, ZJB14a, ZJB14b]. **condensed** [BDB⁺17, CCG⁺11]. **conditions** [MMPC12]. **conduction** [MPG13]. **confinement** [OBC⁺14]. **conformal** [HHSV17]. **considerations** [Var15]. **consistent** [Hoh10]. **constants**

[MTN12]. **Continuous** [GML⁺11]. **Continuous-time** [GML⁺11]. **continuum** [RWF17]. **Control** [LB16, TB18, RG17, Sun14]. **Controlling** [Har13]. **controversial** [AWBF⁺16]. **Core** [KA12, Bur13]. **core-collapse** [Bur13]. **correction** [Ter15]. **Corrections** [Ano18, SF13]. **correlated** [BAvdM⁺11, MSH⁺12, SKKG10]. **correlation** [BLHE12]. **correlations** [CFM⁺14, HMPW17, MBC⁺12, RHT⁺18]. **cosmic** [KAAB⁺18, LSS11, Per12]. **cosmological** [CG10]. **cosmology** [DS11]. **Coulomb** [NL16]. **counting** [EHM09, EHM14]. **coupled** [Shu17, SGOMF13]. **Coupling** [SPMS17]. **CP** [ABL16, BFJ12, KC10]. **CPT** [KR11]. **critical** [MD18]. **Criticality** [Muñ18]. **cross** [A⁺11, EBD⁺12, FZ12, Nam09, Nam10, TBC⁺16]. **Crystal** [MPLS10, MTA⁺17, TSNK14a, TSNK14b]. **Crystalline** [ACC⁺14]. **crystals** [AgCMK12a, AgCMK12b, CB17, JLS18, TGC10]. **cuprates** [AFG10]. **Current** [KUP⁺12, PSM⁺13]. **curved** [TVN10]. **cycles** [A⁺11].

D [RP12]. **dark** [Bar10, BH18, FLS13]. **Data** [KR11]. **decay** [VWT15]. **decays** [CEN⁺12, PKGR12, RP12, ZC13]. **Defect** [TM13]. **defects** [AgCMK12a, AgCMK12b, FGH⁺14, Kos17]. **definition** [PSM⁺13]. **Deformation** [NFMB18]. **degenerate** [SE11]. **delay** [SGOMF13]. **delay-coupled** [SGOMF13]. **Delayed** [sMKZ16, AHV13]. **Delayed-choice** [sMKZ16]. **Delocalized** [JM18]. **demixing** [KAHN10]. **Densities** [EDM13]. **Density** [Jon15]. **dependent** [JWN⁺14]. **deposited** [Ama15]. **description** [HSB⁺18]. **design** [HSXZ14]. **Designing** [NMS13]. **detection** [Adh14]. **detectors** [AD10]. **developments** [BEJR14]. **device** [JWN⁺14]. **devices** [Dor10]. **Diagnostics** [DZD⁺18]. **diagram** [ANT16]. **Diagrammatic** [RHT⁺18]. **dichalcogenides** [WCG⁺18]. **Dielectric** [CW15, ea14]. **diffusion** [FSRD13]. **Dilute** [DO14, SBK⁺10]. **dimension** [GBL13]. **dimensional** [AMV18, CCG⁺11, GWY⁺18, ISG12, MSBD16, RWF17, SAHR11, SKKG10]. **diodes** [Nak15, RTLL13]. **dipole** [HvNCR10]. **Dirac** [AMV18]. **directed** [EFS15]. **Disclination** [AgCMK12a, AgCMK12b]. **Discord** [MBC⁺12]. **Discovery** [Kaj16, BH14, Wei18]. **Discrete** [AF10]. **disk** [Sel14]. **distant** [Sch12]. **distribution** [HR10]. **distributions** [EDM13]. **DNA** [Dor10]. **Domain** [CSRS12]. **Domains** [JS17]. **doped** [AFG10, DSF⁺15, Phi10]. **doping** [Ama15]. **dots** [LMS15, UMA⁺13]. **drag** [NL16]. **drifting** [UBS⁺16]. **driven** [BLHE12, FMBT⁺10, FY11, SH13]. **droplets** [SRHM10]. **drum** [ST11]. **drums** [GT10]. **Dual** [LLW18, RCR12]. **Dual-readout** [LLW18]. **due** [MD18]. **Dynamic** [Sag11]. **dynamical** [ATE⁺14, Muñ18, RDBE13, RHT⁺18, RCR12, SPMS17]. **Dynamics** [Pow10a, SGOMF13, dVA17, BLPV16, Car14, CG10, Dai15, DeG16, FMBT⁺10, KVNF12, PSSV11, SKU13, Sun14, TB18, UHS⁺11, UHS⁺17, Pow10b].

early [Smi10]. **Earth** [BK10]. **earthquakes** [KHK⁺12]. **ecological**

[ASG⁺16]. **Editor** [Mey17]. **Editorial** [Mey17, ST18, Spr14]. **Edwards** [BMHM18]. **EeV** [FZ12]. **effect** [NSO⁺10]. **effects** [BSVH18, CGLM14, SVW⁺15, XCN10]. **efficient** [Nak15]. **Einstein** [ZJB14b, DHY10, ZJB14a]. **elastic** [PHC10]. **elastoplastic** [NFMB18]. **electric** [BKR15]. **electric-field** [BKR15]. **Electrodynamics** [BAvdM⁺11]. **electromagnetic** [Bam17, GS15]. **Electron** [Giu17, KUP⁺12, LBTY17, Ama15, AFG10, BAvdM⁺11, DZD⁺18, PSM⁺13, PMR16, SE11, SKKG10, TSNK14a, TSNK14b, UBS⁺16, dA10]. **electron-crystal** [TSNK14a, TSNK14b]. **electron-doped** [AFG10]. **Electron-Electron** [KUP⁺12]. **Electron-phonon** [Giu17]. **Electronic** [Goe11, SAHR11, SW10, LRW⁺12, RS10, Rur10, XCN10]. **electronics** [ZDM⁺13]. **electrons** [BBB⁺12, HSXZ14]. **electrophoresis** [Dor10]. **electroweak** [HNW12, SF13]. **Elementary** [HvNCR10, AvVD⁺11, CGT16]. **elements** [GMKOP12]. **Emergent** [CFM⁺14]. **emission** [PBB⁺11]. **emitting** [Nak15, RTLL13]. **energetic** [CZ16]. **energy** [Ama15, A⁺13, FGN10, FZ12, HNW12, LSS11]. **engineering** [KVN12]. **enhanced** [BAB⁺18]. **ensembles** [HSP10, PSO⁺18, SSdRG11]. **entangled** [BMV15]. **Entanglement** [Nis18, BAB⁺18, ECP10, PCL⁺12, Win13, Wit18]. **Entropic** [CBTW17]. **entropy** [ECP10, Nis18, PGLD13]. **environmental** [SÁ16]. **Epidemic** [PSCVV15]. **epigenetics** [CBC⁺16]. **equation** [WAC⁺16]. **equilibrium** [MPLS10, SH13]. **Erratum** [BM16, CHT11b, EHM14, KKR16, Mer16, Mer17, UHS⁺17, ZJB14b]. **error** [BLW14, Ter15]. **Essential** [SPM⁺10]. **Ettore** [ACM10]. **eV** [FZ12]. **Evading** [Hig14]. **events** [DG12]. **evidence** [OSZ18]. **evolution** [KAHN10, NS11, Sel14]. **Exceptional** [Wit18]. **excitations** [AvVD⁺11, FW13, HMPW17, HvNCR10, RS10, dA10]. **Exciton** [DHY10]. **Exciton-polariton** [DHY10]. **Excitons** [WCG⁺18, JM18]. **expansion** [CG10, Per12, Sch12]. **Experiment** [TM13]. **Experimental** [Nag17, OSZ18, SWK⁺16, BLS⁺13]. **Experiments** [Sag11, TSNK14a, TSNK14b, GBL13, sMKZ16]. **explored** [JWN⁺14]. **exploring** [Har13]. **extension** [Boy10]. **extreme** [MMPC12]. **Extremely** [DMHK12].

Failure [BK10, PHC10]. **Fano** [MFK10]. **far** [SH13]. **Fascinated** [Aka15]. **fast** [Kao10]. **Femtosecond** [CPL⁺13]. **Fermi** [GBL13]. **Fermion** [Wit16, MSH⁺12, SRHM10]. **fermions** [Bee15, EF15]. **ferromagnetic** [DO14]. **ferromagnets** [BBGK16a, BBGK16b]. **fertilization** [Nam09, Nam10]. **Feshbach** [CGJT10]. **few** [GGPR17]. **few-body** [GGPR17]. **fiber** [MTA⁺17, PHC10]. **field** [ANT16, ATE⁺14, BSVH18, BKR15, Goe11, HHSV17, KKY18, PZ10, RHT⁺18, RL10, Wit18]. **fields** [RG17]. **filaments** [Gra15, Pow10a, Pow10b]. **films** [KKS⁺12]. **final** [NW14]. **First** [FGH⁺14, SBK⁺10, BBF⁺16, Giu17, KT15, MM12]. **First-principles** [FGH⁺14, SBK⁺10]. **fission** [AHV13]. **five** [BBF⁺16]. **Flatland** [Nov11]. **flavor** [AF10, McD16]. **flavors** [BTB⁺10]. **flight** [Sun14]. **flow**

[DD11, JBSB⁺16, LRW⁺12, NFMB18, SWK⁺16, Var15]. **flows** [ST11]. **Fluctuation** [VGG18, BDG⁺15, CHT11a, CHT11b, EHM09, EHM14]. **fluctuations** [EHM09, EHM14]. **fluid** [Pow10a, Pow10b]. **fluids** [CC13, SE11, SKKG10]. **followed** [Ama15]. **forces** [HNS13, Met17]. **formation** [GGPR17, ST11]. **Foundations** [CHT11a, CHT11b, Moe15]. **Fractional** [Wes14]. **fracture** [KHK⁺12]. **fragility** [FSD⁺18]. **free** [PMR16]. **free-electron** [PMR16]. **freely** [Hel15]. **frequency** [HL11]. **friction** [KHK⁺12, VMU⁺13]. **frontier** [HNW12]. **Frontiers** [ABB⁺17]. **frustration** [NMS13]. **function** [BLS⁺13]. **Functional** [MSH⁺12, Jon15]. **functions** [HR10, MMY⁺12, SPMS17]. **fundamental** [DMHK12, KSLUS18, MTN12]. **fusion** [A⁺11, BEJR14]. **future** [Jon15, Kao10, MJT15].

Ga [JWN⁺14]. **Galactic** [GEG10]. **galaxies** [Sel14]. **Galaxy** [CCdJ⁺14, PBB⁺11]. **gamma** [MM12]. **GaN** [Ama15]. **gases** [CCG⁺11, CGJT10, GBL13, MCD⁺18, SKU13, VCTL⁺12]. **gauge** [DGJÖ11]. **Gaussian** [WPGP⁺12]. **gedanken** [sMKZ16]. **generated** [OBN16, RDBE13]. **generators** [HCGE17]. **Genetic** [KAHN10]. **genetics** [NS11]. **Geometry** [Gra15]. **GeV** [BH14]. **Ginzburg** [RL10]. **glass** [AWBF⁺16, BB11, TSNK14a, TSNK14b]. **glasses** [PZ10]. **global** [CG10, ES10]. **gluon** [Shu17]. **Goldstone** [Hig14]. **Google** [EFS15]. **granular** [BMHM18, Gol14]. **Graphene** [BFL⁺14, KUP⁺12, Nov11, Gei11, Goe11, Per10, SAHR11]. **Gravitational** [Adh14, A⁺13, Bar18, CBKvM10, Tho18, Wei18]. **Graviton** [dRDTZ17, GN10]. **gravity** [BBS12, Hin12, SF10a]. **Gripped** [DZ10]. **group** [MSH⁺12, Nis18]. **groups** [RCR12]. **Growth** [Ama15, EDM13].

H [UBS⁺16]. **Hadron** [DESS11, HH10, ASAJPV15, FH12]. **Hadronic** [GHM⁺18, RP12, NW14]. **Hadronization** [Alb10]. **Hadrons** [APV12]. **Hall** [HHSV17, NSO⁺10, SVW⁺15]. **hard** [PZ10, TS10a, TS10b]. **hard-particle** [TS10a, TS10b]. **harvesting** [JM18]. **Hearing** [GT10]. **Heat** [DD11, LRW⁺12]. **Heavy** [SESE10, BEJR14, CNRS18, OSZ18, Shu17]. **Heavy-ion** [SESE10, BEJR14]. **helium** [MMPC12, Var15, dGW⁺17]. **HERA** [NW14]. **Hermitian** [CW15]. **heteronanotubes** [AAL⁺10]. **Hidden** [Car14, Mer93, MO11, Mer16, Mer17]. **Hierarchies** [HHSV17]. **Higgs** [BH14, CGT16]. **High** [GK18, HSB⁺18, A⁺13, DMHK12, DMPZ12, FGN10, FKT15, MCD⁺18, RS10]. **high-energy** [A⁺13, FGN10]. **high-intensity** [DMHK12]. **higher** [BBS12]. **higher-spin** [BBS12]. **Highly** [KSLUS18]. **historical** [SF13]. **History** [BH18, Smi10]. **hole** [Bam17, CBKvM10, GEG10]. **holes** [Har16, KZ11]. **Holography** [Nis18]. **Homochirality** [SH13]. **Hoyle** [THSR17]. **Hybrid** [MTA⁺17, XAYN13]. **Hydrodynamics** [MJR⁺13]. **hydrogen** [ES10, MMPC12]. **hypothesis** [SH11a, SH11b].

Ice [BRBC⁺12, NMS13]. **icefields** [BRBC⁺12]. **identification** [TM13].

Identifying [Phi10]. **II** [A⁺11, Bar18, RL10]. **III** [Tho18]. **Imaging** [BBB⁺12, Moe15, NMS13]. **implementations** [FSD⁺18]. **Implications** [PGFA14, dGW⁺17]. **improved** [BTB⁺10]. **impurity** [GML⁺11]. **induced** [ea17]. **Inelastic** [RS10, AvVD⁺11]. **inference** [vT11]. **Influence** [CG10]. **information** [Har16, PGFA14, SWM10, SÁ16, WPGP⁺12]. **infrared** [KAAB⁺18]. **InGaN** [Nak15]. **initial** [DESS11]. **Insect** [Sun14]. **Insights** [NFMB18, SPMS17]. **instabilities** [GMKOP12, SW10]. **insulators** [HK10, Phi10, QZ11]. **integrals** [Wit16]. **intense** [OBN16]. **intensity** [DMHK12]. **interacting** [PSSV11, RWF17, XAYN13]. **interaction** [Sca12, SPMS17]. **Interactions** [KUP⁺12, DG17, DMHK12, FPP⁺10, GS15, Giu17, GMP17, GYS10, MD18, SE11, WDT⁺16]. **Interface** [ea17, HSP10, Sch13]. **Interface-induced** [ea17]. **interfaces** [CFM⁺14, DC17, Sag11]. **Interfacing** [LMS15]. **interference** [HGH⁺12]. **interferometry** [Adh14, PCL⁺12]. **Intermittent** [BLMV11]. **Interplay** [TGC10]. **intertwined** [FKT15]. **intracellular** [BN13]. **Introduction** [CDG⁺10, Hoh10, Per10]. **invention** [Nak15, Smi10]. **investigation** [UMA⁺13]. **Invited** [Wit18]. **Ion** [BKRB15, BEJR14, CNRS18, SESE10, Shu17]. **Ion-trap** [BKRB15]. **ionization** [BLHE12]. **ions** [DM10, KSLUS18, SPM⁺10]. **iron** [Dai15, Ste11]. **iron-based** [Dai15]. **irradiation** [Ama15]. **isospectrality** [GT10]. **itself** [BK10].

Jammed [TS10a, BMHM18, TS10b]. **jamming** [PZ10]. **Jeans** [VGG18]. **Jerusalem** [Har16]. **Jet** [CNRS18]. **John** [Mer16, Mer17, Mer93]. **journal** [Lal14]. **journeys** [Aka15]. **junctions** [DD11].

Kaon [CEN⁺12]. **Kepler** [TS10b, TS10a]. **keV** [PBB⁺11]. **kinematics** [CG10].

Landau [DMPZ12, RL10]. **large** [MS15]. **Laser** [FMBT⁺10, HSXZ14, LMD⁺13, Adh14, BLHE12, CPL⁺13, DMHK12, ea14]. **Laser-driven** [FMBT⁺10, BLHE12]. **laser-plasma** [CPL⁺13]. **lasers** [PMR16, SGOMF13]. **Lattice** [DeG16, GMKOP12, BDY18, DK11, FH12]. **lattices** [CDGT⁺18, KMT11a, KMT11b]. **laws** [ECP10]. **layer** [Ama15]. **Lecture** [Aka15, Ama15, Bar18, Bet15, Eng14, Hal17, Hel15, Hig14, Kos17, Moe15, Nak15, Nam10, Tho18, Wei18, Boy10, Gei11, Har13, Kaj16, Kao10, McD16, Nam09, Nov11, Per12, Rie12, Sch12, Smi10, Win13]. **lectures** [Har16]. **Leptonic** [BFJ12]. **level** [LPT10]. **levels** [DMPZ12]. **Lévy** [ZDK15]. **LHC** [GS18, GMP17]. **Life** [Sch13]. **lifetime** [BH13, WG11]. **Light** [BBF⁺16, FH12, GVMMEK10, RG17, Aka15, CC13, DZ10, FHKE⁺18, HSP10, Hel15, JM18, LMD⁺13, Met17, Nak15, RTLL13]. **light-emitting** [RTLL13]. **light-harvesting** [JM18]. **LIGO** [Bar18, Tho18, Wei18]. **limits** [GN10, PKGR12]. **Linac** [BBF⁺16]. **linear** [KAHN10, SSdRG11]. **lines** [JS17]. **Liquid**

[AD10, AgCMK12a, AgCMK12b, ISG12, JLS18, TGC10, ZKN17]. **liquids** [ISG12, MCD⁺18]. **lived** [HMPW17]. **living** [Muñ18, ZMB17]. **local** [BBB⁺12, CG10]. **localized** [DG17, MMY⁺12]. **Long** [FPP⁺10]. **Looking** [KAAB⁺18, SG10]. **loops** [AgCMK12a, AgCMK12b]. **Lorentz** [KR11]. **low** [Ama15, MSBD16]. **low-dimensional** [MSBD16]. **low-energy** [Ama15]. **low-temperature** [Ama15]. **Luttinger** [ISG12].

Macroscopic [BDG⁺15, FSD⁺18]. **Magnetic** [FW13, GGG10, HvNCR10, YKJ10, ANT16, DC17, Goe11, KKR10, KKR16, NMS13, RL10, SBK⁺10]. **magnetism** [MO11, SKU13, ea17]. **magnets** [ZJB14a, ZJB14b]. **magnon** [ZC13]. **Majorana** [ACM10, Bee15, EF15]. **man** [Boy10]. **Manipulating** [LRW⁺12]. **manipulation** [HSXZ14, KKR10, KKR16]. **Markovian** [BLPV16, dVA17]. **mass** [GN10, MJT15, UBS⁺16, dRDTZ17]. **masses** [CCdJ⁺14, FH12]. **massive** [GEG10, Hin12, MM12]. **Materials** [MBSR⁺18, Nov11, WDT⁺16, BAvm⁺11, BB11, BDB⁺17, GWY⁺18, MPG13]. **Mathematical** [GT10]. **matrices** [MRW10]. **matrix** [Bee15, EFS15]. **matter** [BMHM18, BH18, BDB⁺17, CCG⁺11, CDGT⁺18, CTSR16, FLS13, Hal17, MJR⁺13, Nag17, Sag11, Wen17, ZMB17]. **Maximally** [MMY⁺12]. **maximum** [PGLD13]. **Mean** [PZ10, ATE⁺14, BLW14, RHT⁺18]. **Mean-field** [PZ10, ATE⁺14]. **measurement** [BLW14, CDG⁺10]. **measurements** [BH13, BAB⁺18, BKR15, CNRS18, EBD⁺12]. **Measures** [FSD⁺18, MBC⁺12]. **Measuring** [Per12, WAC⁺16]. **mechanics** [ASG⁺16, BMHM18, EWKK14]. **mechanism** [Eng14]. **mechanisms** [SPMS17]. **Medal** [Wit18]. **media** [FSRD13, Gol14, RG17]. **medium** [HH10]. **meets** [RG17]. **membranes** [Pow10a, Pow10b]. **memories** [Ter15]. **memory** [CGLM14]. **meson** [RP12]. **mesons** [BMV15, OSZ18]. **mesoscale** [VMU⁺13]. **Mesosopic** [RG17]. **metal** [DC17, WCG⁺18]. **metal/oxide** [DC17]. **Metallic** [BBGK16a, GMKOP12, BBGK16b]. **metals** [DSF⁺15]. **metamaterials** [LSK14]. **metastable** [VCTL⁺12]. **methods** [CGP⁺15, GML⁺11, SF10b]. **metrology** [PSO⁺18]. **Mg** [Ama15]. **microcavities** [CW15]. **microfabricated** [Dor10]. **Microfluidics** [FY11]. **microprobes** [MBSR⁺18]. **Microscale** [FY11]. **Microscopic** [FHKE⁺18]. **microscopy** [Moe15, OBC⁺14, dA10, vHZ10]. **mixing** [AF10]. **Mn** [JWN⁺14]. **Mod** [AgCMK12b, BBGK16b, BM16, BCP⁺14b, CHT11b, EHM14, HW11a, KMT11a, KKR16, Mer16, Mer17, Nam10, Pow10b, SH11b, TSNK14b, TS10b, UHS⁺17, ZJB14b]. **Model** [CW15, BH14, DG17, DeG16, HNW12, CEN⁺12]. **Modeling** [BM14, KVN12, VMU⁺13, BM16]. **Models** [BLS⁺13, AF10, BN13, GML⁺11, KGBA11, KAHN10, NFMB18, NvdB15]. **Modern** [Lal14, HSXZ14, MPLS10]. **modes** [HvNCR10, KZ11, Phi10]. **modulation** [FLS13]. **molecular** [CB17, DD11, Tie13]. **molecule** [GYS10, Moe15]. **molecules** [Bet15, BK10, GHM⁺18, HGH⁺12, JLS18, SBD⁺18, TBC⁺16]. **momentum** [LBTY17]. **Monte** [CGP⁺15, GML⁺11]. **morphologies** [EDM13]. **motion**

[HvNCR10]. **motivations** [NvdB15]. **Mott** [Phi10]. **Multiboson** [GMP17]. **multicellular** [KVNf12]. **multifrequency** [Met17]. **Multimessenger** [A⁺13]. **Multiparticle** [DS12]. **Multiphoton** [PCL⁺12]. **multiple** [BLHE12]. **My** [Rie12].

nanobubbles [LZ15]. **nanodecomposition** [DSF⁺15]. **nanodroplets** [LZ15]. **nanoelectronics** [CSRS12]. **Nanoplasmas** [OBN16]. **nanoprobes** [MBSR⁺18]. **nanoscale** [FPP⁺10, MFK10, VMU⁺13]. **nanoscopic** [CDGT⁺18]. **Nanoscopy** [Hel15]. **nanostructured** [MPG13]. **nanostructures** [LMS15, MSBD16, OBC⁺14, Sch17]. **nanotubes** [LKS⁺15, MPG13]. **nanowires** [Rur10]. **natural** [JM18]. **near** [BKRb15, KAAB⁺18]. **near-infrared** [KAAB⁺18]. **nematic** [AgCMK12a, AgCMK12b]. **networks** [BM14, BM16, DM10, EFS15, PSCVV15, RR15, TB18]. **Neutral** [ASG⁺16, BH13, DGJÖ11]. **Neutrino** [FZ12, GS15, McD16, AF10, Kaj16]. **neutrinos** [A⁺13, McD16]. **neutron** [DS11, LMD⁺13, VWT15, WAC⁺16, WG11]. **neutron-rich** [LMD⁺13]. **Nobel** [Aka15, Ama15, Bar18, Bet15, Boy10, Eng14, Gei11, Hal17, Har13, Hel15, Hig14, Kaj16, Kao10, Kos17, McD16, Moe15, Nak15, Nam09, Nam10, Nov11, Per12, Rie12, Sch12, Smi10, Tho18, Wei18, Win13]. **noble** [VCTL⁺12]. **Nodal** [JS17]. **noise** [BKRb15, CDG⁺10, PGFA14, SÁ16]. **Non** [BLPV16, CW15, dVA17]. **non-Hermitian** [CW15]. **Non-Markovian** [BLPV16, dVA17]. **nonclassical** [PSO⁺18]. **Nonequilibrium** [ATE⁺14, BSVH18, DMPZ12, EHM09, PSSV11, EHM14]. **Nonlinear** [KYZ16, LSK14, SE11, FMBT⁺10, KMT11a, KMT11b]. **nonlocal** [RHT⁺18]. **Nonlocality** [BCMdw10, BCP⁺14a, BCP⁺14b]. **Nonperturbative** [BTB⁺10]. **Nonstandard** [OSZ18]. **Normalization** [ES10]. **Note** [AgCMK12b, BBGK16b, BCP⁺14b, HW11a, KMT11a, Nam10, Pow10b, SH11b, TSNK14b, TS10b]. **Nuclear** [KGBA11, UMA⁺13, CH17, CGP⁺15, EF15, EBD⁺12, GHM16, GEG10, HH10, MRW10, PKGR12, VWT15]. **nuclei** [AHV13, CJC10, FHKE⁺18, HNS13, HvNCR10, HW11a, HW11b, LMD⁺13]. **Nucleon** [HMPW17, HR10, ABHM13]. **nucleonic** [HvNCR10]. **nucleosynthesis** [CFOY16]. **number** [HCGE17]. **numerical** [CBKvM10, SPM⁺10].

O [dGW⁺17]. **Observation** [McD16]. **observations** [KGBA11, Sch12]. **Observatory** [McD16]. **offshoots** [Var15]. **One** [CCG⁺11, ISG12, GBL13, RWF17]. **One-dimensional** [ISG12, RWF17]. **open** [BLPV16, dVA17]. **Optical** [DZ10, KSLUS18, LBY⁺15, dA10, DK11, KKR10, KKR16, Met17, RR15, RDBE13, SG10, UMA⁺13]. **Optically** [GNSW17]. **optics** [Bet15, SSdRG11]. **optimal** [Gra15]. **optomechanics** [AKM14]. **orbital** [LBTY17]. **order** [Dai15, KKR10, KKR16, KT15, MO11]. **orders** [FKT15]. **organic** [RTLL13]. **origins** [Jon15]. **oscillations** [Kaj16]. **other** [XAYN13]. **oxide** [CFM⁺14, DC17]. **oxides** [GGG10].

packing [Gra15]. **packings** [TS10a, TS10b]. **pair** [ASAJPV15]. **pairing** [RCR12, Sca12]. **paradigm** [ISG12]. **particle** [AD10, DS11, EF15, Nam09, Nam10, Sch13, SWK⁺16, THSR17, TS10a, TS10b]. **particles** [CZ16, ZMB17]. **partonic** [LPT10]. **partons** [Alb10]. **passage** [VRSB17]. **passing** [GVMMEK10]. **past** [Kao10]. **pasta** [CH17]. **path** [Rie12, Wit16]. **pattern** [ST11]. **patterns** [BRBC⁺12]. **periodic** [KKY18]. **Perpendicular** [DC17]. **Persistent** [Sch17]. **perspective** [BB11, RTLL13, SF13, WDT⁺16]. **Perspectives** [Bur13, KUP⁺12, MJT15, AFG10]. **perturbations** [ES10]. **Phase** [ANT16, CJC10, Kos17, XCN10]. **phases** [Wen17, Wit16]. **phenomena** [BBB⁺12, DMPZ12, JWN⁺14, KKY18, MPG13, ea17]. **Phonon** [TSNK14a, Giu17, TSNK14b]. **Phonon-glass** [TSNK14a, TSNK14b]. **Phononic** [GWY⁺18]. **Phononics** [LRW⁺12]. **photocontrol** [Moe15]. **photoelectron** [BLHE12]. **photoemission** [PNB15]. **Photon** [GN10]. **photonic** [LMS15, MTA⁺17]. **photonic-crystal** [MTA⁺17]. **photonics** [SGOMF13]. **photons** [BBB⁺12, CDGT⁺18, Har13, LMS15, RR15, RWF17]. **Phys** [AgCMK12b, BBGK16b, BM16, BCP⁺14b, CHT11b, EHM14, HW11a, KMT11a, KKR16, Mer16, Nam10, Pow10b, SH11b, TSNK14b, TS10b, UHS⁺17, ZJB14b]. **Phys.** [Mer17]. **Physical** [DC11, MSBD16, SESE10, AAL⁺10, BBB⁺12, GT10, KKS⁺12, MTN12, NvdB15, Ano18, ST18]. **Physics** [CZ16, DK11, DO14, JLS18, SH11a, SH11b, SS13, AD10, CW15, Car14, CGP⁺15, CNRS18, CBC⁺16, DG12, DS11, EF15, GHM16, GS15, GGPR17, HHSV17, KGBA11, KHK⁺12, KA12, KT15, KSLUS18, MRW10, Nam09, Nam10, PMR16, PGLD13, RCR12, SBD⁺18, Sch13, SF13, UMA⁺13, VRSB17, vT11, Lal14]. **pion** [BH13, HR10]. **plane** [CFM⁺14, TBC⁺16]. **plane-wave** [TBC⁺16]. **plants** [JBSB⁺16]. **Plasma** [DDGS15, CPL⁺13, DZD⁺18, Shu17]. **plasma-based** [DZD⁺18]. **plasmas** [CZ16, SE11]. **plasmons** [DG17]. **point** [AgCMK12a, AgCMK12b, FGH⁺14]. **polariton** [DHY10]. **polaritons** [FSRD13]. **polarized** [GNSW17, OBC⁺14]. **polymer** [BM14, BM16]. **portraits** [JS17]. **Positron** [GYS10, PBB⁺11, TM13]. **Positron-molecule** [GYS10]. **positrons** [DDGS15]. **potentials** [DGJÖ11, RDBE13]. **precision** [HSB⁺18, SF13]. **Present** [CFOY16]. **pressure** [GK18, MCD⁺18, RS10]. **Principles** [PGLD13, FGH⁺14, Giu17, Gol14, LB16, SBK⁺10]. **prism** [SG10]. **probes** [BBB⁺12]. **probing** [LMD⁺13]. **problem** [KC10]. **problems** [CvD10]. **process** [KGBA11]. **processes** [BRBC⁺12, BDY18, PSCVV15, PHC10]. **production** [ASAJPV15, DESS11, GS18]. **Progress** [AFG10]. **prominence** [Jon15]. **propagating** [Hel15, Phi10]. **properties** [AAL⁺10, CFM⁺14, Goe11, GWY⁺18, HH10, KKS⁺12, MMPC12, MSBD16, Per10, Rur10, Sag11, Wit18, XCN10]. **propulsion** [Gol14]. **Protecting** [SÁ16]. **protection** [DC11]. **proton** [UBS⁺16]. **PRX** [Spr14]. **Publications** [Ano18]. **Publisher** [AgCMK12b, BBGK16b, BCP⁺14b, HW11a, KMT11a, Nam10, Pow10b, SH11b, TSNK14b, TS10b]. **pyrochlore** [GGG10].

QCD [ANT16, BTB⁺10, BH13, BDY18, FH12, MS15]. **quantitative** [NS11].

Quantum

[BAB⁺18, BLW14, CHT11a, CHT11b, CGP⁺15, CGLM14, CC13, CJC10, CDGT⁺18, CvD10, DRC17, DM10, FS13, GAN14, HSP10, HHSV17, HCGE17, HGH⁺12, LKS⁺15, PSO⁺18, SWM10, SSdRG11, SAP17, Ter15, ZKN17, AL18, BMV15, BBGK16a, BBGK16b, BLPV16, Car14, CB17, CTSR16, CDG⁺10, DS12, DMHK12, DMM⁺14, EHM09, EHM14, FSD⁺18, GML⁺11, Hal17, Har16, Har13, Hoh10, ISG12, JS17, LMS15, MBC⁺12, NJBN12, OBC⁺14, PGFA14, PSSV11, RR15, SRHM10, SE11, SPM⁺10, SKU13, SÁ16, UMA⁺13, WPGP⁺12, Wen17, Wit18, XAYN13, ZJB14a, ZJB14b, ZDM⁺13, dVA17].

Quantum-Bayesian [FS13]. **Quantum-enhanced** [BAB⁺18].

quantum-entangled [BMV15]. **quantum-to-classical** [DS12].

quantum-topological [Wen17]. **quark** [ASAJPV15, DG12, GS18, Shu17].

quark-gluon [Shu17]. **quarks** [BTB⁺10, HMPW17]. **Quasinormal** [KZ11].

radiation [Adh14, Bam17, DESS11, DC11, KAAB⁺18, OBN16]. **Radiative** [SF13]. **Radioactive** [PKGR12]. **radiobiological** [SESE10]. **raising**

[Win13]. **Raman** [VRSB17]. **Random**

[Bee15, Gei11, KT15, MRW10, HCGE17]. **Random-matrix** [Bee15]. **range**

[FPP⁺10]. **ratio** [UBS⁺16]. **ray**

[AvVD⁺11, MM12, MBSR⁺18, PMR16, RS10, WAC⁺16]. **Rayleigh**

[VGG18]. **rays** [CPL⁺13, LSS11]. **reaction** [EBD⁺12, dGW⁺17]. **reactions**

[BEJR14, MRW10]. **readout** [LLW18]. **Real** [EWKK14]. **Real-space**

[EWKK14]. **realization** [Ama15]. **realizations** [sMKZ16]. **recommended**

[MTN12]. **reconnection** [YKJ10]. **reconstruction** [SF10b]. **refined**

[PSM⁺13]. **region** [HR10]. **related** [MPG13, MBC⁺12]. **relations**

[BLW14, CHT11a, CHT11b, CBTW17]. **relativity** [CBKvM10].

renormalization [EWKK14, MSH⁺12, Nis18]. **repeaters** [SSdRG11].

research [KA12, Wit18]. **resolution** [Bet15, Moe15]. **resolved**

[UHS⁺11, UHS⁺17, vHZ10]. **resonances** [BDY18, CGJT10, MS15, MFK10].

Resonant [AvVD⁺11, GYS10]. **resource** [SAP17]. **Rev** [AgCMK12b,

BBGK16b, BM16, BCP⁺14b, CHT11b, EHM14, HW11a, KMT11a, KKR16,

Mer16, Nam10, Pow10b, SH11b, TSNK14b, TS10b, UHS⁺17, ZJB14b]. **Rev.**

[Mer17]. **reversal** [BMV15]. **Review** [ST18, Ano18, ST18]. **Reviews** [Lal14].

rich [LMD⁺13]. **Riemann** [SH11b, SH11a]. **rise** [Jon15]. **road** [GK18]. **Role**

[Spr14, DS11]. **room** [GK18]. **root** [BLW14]. **root-mean-square** [BLW14].

Rotating [MM12, ST11]. **rotating-drum** [ST11]. **routes** [RHT⁺18].

Rydberg [SWM10].

Sand [Kao10]. **Sap** [JBSB⁺16]. **sapphire** [Ama15]. **scalar** [Eng14]. **Scaled**

[TBC⁺16]. **scales** [FZ12]. **scaling** [Muñ18]. **Scanning** [OBC⁺14, vHZ10].

Scattering [BDY18, AvVD⁺11, RG17, RS10]. **scene** [Lal14]. **Schrödinger's**

[Win13]. **science** [CH17, DDGS15, FPP⁺10, Nag17]. **scientific** [Lal14].

Search [SBD⁺18, UBS⁺16, BLMV11]. **Searches** [FGN10, BH14]. **sections**

[A⁺11, EBD⁺12, FZ12, TBC⁺16]. **Secular** [Sel14]. **segregation** [ST11]. **self**

[Gol14, SW10]. **self-assembled** [SW10]. **self-propulsion** [Gol14].
semiconductor [Sch17]. **semiconductors**
 [DO14, DSF⁺15, SBK⁺10, SGOMF13, TM13, UHS⁺11, UHS⁺17].
semiflexible [BM14, BM16]. **semimetals** [AMV18]. **Send** [Kao10]. **sensing**
 [DRC17]. **Shape** [APV12, HW11b, HSB⁺18, HW11a]. **shaped** [JLS18].
shapes [CJC10, GT10]. **short** [HMPW17]. **short-lived** [HMPW17]. **Si**
 [MO11]. **Silicon** [ZDM⁺13, Rur10]. **simplicity** [TGC10]. **Simulation**
 [CB17, GAN14]. **simulations** [BTB⁺10]. **Single**
 [Bet15, GS18, Moe15, PSM⁺13, LMS15, RR15]. **Single-electron** [PSM⁺13].
Single-molecule [Moe15]. **size** [EDM13]. **soft**
 [BDB⁺17, MJR⁺13, Nag17, Sag11]. **soft-matter** [Nag17]. **Solar**
 [A⁺11, McD16]. **solid** [EF15, PGFA14]. **solid-state** [EF15, PGFA14]. **Solids**
 [MCD⁺18, AMV18, FGH⁺14, NFMB18]. **soliton** [SG10]. **Solitons**
 [KMT11a, KMT11b]. **Some** [Var15]. **Source** [BBF⁺16]. **sources** [PSM⁺13].
space [DC11, EWKK14]. **spectrometry** [MJT15]. **spectroscopy**
 [BFL⁺14, KR10, Moe15, UHS⁺11, UHS⁺17, VGG18]. **spectrum** [HSB⁺18].
sphere [PZ10]. **Spin** [JWN⁺14, OBC⁺14, SVW⁺15, ABHM13, BBS12,
 BSVH18, Dai15, NMS13, Sch17, UMA⁺13, ZKN17]. **Spin-dependent**
 [JWN⁺14]. **Spin-polarized** [OBC⁺14]. **spin-splitting** [BSVH18]. **spin-two**
 [BBS12]. **Spinodal** [DSF⁺15]. **Spinor** [SKU13]. **spintronic** [DO14].
spintronics [BMT⁺18]. **splitting** [BSVH18]. **Spontaneous**
 [Nam09, Nam10, ZC13]. **square** [BLW14]. **SrRuO** [KKS⁺12]. **Stability**
 [Sun14, PKGR12]. **staggered** [BTB⁺10]. **Standard**
 [BH14, DeG16, HNW12, CEN⁺12]. **standards** [HL11]. **star**
 [GEG10, WAC⁺16]. **stars** [MM12]. **state**
 [DESS11, EF15, KA12, NW14, PGFA14, THSR17, WAC⁺16]. **states**
 [FSD⁺18, GYS10, PSO⁺18, ZKN17]. **Statistical**
 [ASG⁺16, KHK⁺12, NS11, BMHM18, EWKK14, PGLD13]. **statistics**
 [EHM09, EHM14, JS17]. **Status** [KUP⁺12, RTLL13, THSR17, CFOY16].
Steady [KA12]. **Steady-state** [KA12]. **stellar** [KGBA11, dGW⁺17].
stepping [KAHN10]. **Stimulated** [VRSB17]. **Stimulating** [NJBN12].
Stochastic [BN13]. **stone** [KAHN10]. **story** [Nak15]. **Strangeness**
 [GHM16]. **strategies** [BLMV11]. **stress** [BDB⁺17]. **string** [KZ11, Sch13].
Strong [CFM⁺14, KKY18, Met17, Goe11, KC10]. **Strong-field** [KKY18].
Strongly [RWF17, Shu17, SKKG10]. **Structural** [Rur10]. **Structure**
 [KKS⁺12, ABHM13, THSR17]. **structures** [BRBC⁺12, DO14, MFK10].
studied [UHS⁺11, UHS⁺17]. **studies** [AvVD⁺11]. **subwavelength**
 [GVMMEK10]. **Sudbury** [McD16]. **sugar** [JBSB⁺16]. **super** [Bet15, Moe15].
super-resolution [Bet15, Moe15]. **Superconducting** [XAYN13, NJBN12].
Superconductivity [Ste11, GK18, MO11]. **superconductors**
 [ACC⁺14, Bee15, BSVH18, Dai15, FKT15, QZ11, RL10, Sca12].
supercontinuum [SG10]. **superfluid** [Var15]. **supernova** [Bur13].
supernovae [Per12, Sch12]. **Superposition** [Win13]. **superpositions**
 [DS12]. **Supersolids** [BP12]. **supersymmetry** [FGN10]. **Surface**

[LZ15, DG17]. **surfaces** [BKRB15, EDM13, MPLS10, TVN10]. **surpasses** [BBS12]. **surrogate** [EBD⁺12]. **symmetric** [KYZ16]. **Symmetries** [SKU13, AF10, Car14, CTSR16]. **Symmetry** [SH13, VWT15, LPT10, Nam09, Nam10, RCR12]. **synchrotron** [MBSR⁺18]. **system** [ABL16]. **systems** [ASG⁺16, BLPV16, CW15, CCG⁺11, DMHK12, EHM09, EHM14, KYZ16, KVNf12, KKY18, LB16, MSH⁺12, Muñ18, PSSV11, SRHM10, SH13, XAYN13, dVA17].

tables [KR11]. **Takes** [Spr14, Lal14]. **Tale** [ST18]. **techniques** [DDGS15, HHSV17]. **temperature** [Ama15, FKT15, GK18]. **terahertz** [UHS⁺11, UHS⁺17]. **terrestrial** [HL11]. **Testing** [Bam17]. **Tests** [HNW12, BLS⁺13, DeG16, SWK⁺16]. **Tevatron** [DG12, GS18]. **textures** [Sch17]. **their** [CBTW17, DG17, sMKZ16]. **theorem** [Hig14]. **theorems** [EHM09, EHM14, Mer93, Mer16, Mer17]. **Theoretical** [BB11, Hin12]. **Theories** [BLHE12, BLS⁺13, SF10a]. **Theory** [FKT15, MMY⁺12, NvdB15, ATE⁺14, ASG⁺16, Bee15, BDG⁺15, Bur13, HHSV17, Hoh10, Jon15, KT15, KZ11, PZ10, RHT⁺18, RL10, Sag11, SBK⁺10, Sch13, TSNK14a, TSNK14b, TM13, Wit18]. **therapy** [SESE10]. **Thermal** [MPG13, GWY⁺18]. **thermoelectric** [TSNK14a, TSNK14b]. **thermoelectricity** [DD11]. **thin** [KKS⁺12, WCG⁺18]. **thread** [Sca12]. **Three** [HNS13, AMV18]. **Three-body** [HNS13]. **three-dimensional** [AMV18]. **Time** [BMV15, vHZ10, GML⁺11, UHS⁺11, UHS⁺17]. **Time-resolved** [vHZ10, UHS⁺11, UHS⁺17]. **Time-reversal** [BMV15]. **timing** [WAC⁺16]. **tissue** [KVNf12]. **tokamak** [KA12]. **tools** [SPM⁺10]. **Top** [DG12, ASAJPV15, GS18]. **top-quark** [GS18]. **Topological** [Hal17, HK10, Kos17, QZ11, Bee15, CTSR16, Wen17, Wit16]. **Track** [SF10b]. **traits** [NS11]. **transition** [BB11, DS12, DC17, DSF⁺15, KT15, WCG⁺18]. **transitions** [AWBF⁺16, CJC10, Kos17]. **Transport** [SKKG10, BN13, JBSB⁺16, LKS⁺15, Per10, Rur10, SAHR11]. **trap** [BKRB15, DDGS15]. **trap-based** [DDGS15]. **Trapped** [SPM⁺10, DM10, VCTL⁺12]. **travel** [DC11]. **trends** [MJT15]. **tumor** [SESE10]. **tunneling** [OBC⁺14, vHZ10]. **tutorial** [Wes14]. **twisted** [Gra15]. **Two** [ST18, BBS12, GWY⁺18, Mer93, Mer16, Mer17, SAHR11, SKKG10]. **two-dimensional** [GWY⁺18, SAHR11]. **type** [Ama15, RL10].

ultracold [CCG⁺11, CGJT10]. **Ultrafast** [KKR10, KKR16]. **Ultrahigh** [LSS11]. **ultrasonics** [FY11]. **uncertainty** [BLW14, CBTW17, NJBN12]. **unconventional** [Sca12]. **underlying** [BLS⁺13]. **Understanding** [DMM⁺14, CB17]. **undulatory** [Gol14]. **Universal** [GGPR17, SPMS17]. **Universe** [Sch12, Tie13, Bar10, Rie12]. **unsolved** [MO11]. **URu** [MO11]. **using** [DG12, Per12, WAC⁺16].

vacuum [NJBN12]. **valence** [HR10]. **values** [DMM⁺14, MTN12]. **variables** [Mer93, Mer16, Mer17]. **vertex** [SF10b]. **via** [Ama15, DESS11, FY11]. **view**

[BRBC⁺12, Boy10, CFM⁺14, MPLS10, Wes14]. **violation**
 [ABL16, BMV15, BFJ12, KR11]. **violations** [VWT15]. **viscous**
 [Pow10a, Pow10b]. **voices** [Kao10]. **vortex** [VGG18]. **Vortices**
 [SRHM10, TVN10, LBTY17].

Waals [WDT⁺16]. **walk** [Gei11]. **walks** [ZDK15]. **wall** [CSRS12]. **Wannier**
 [MMY⁺12]. **Water** [AWBF⁺16]. **wave** [BLS⁺13, CW15, RG17, TBC⁺16].
wave-function [BLS⁺13]. **waves**
 [A⁺13, Bar18, CBKvM10, CZ16, KYZ16, Tho18, VGG18, Wei18]. **weak**
 [DMM⁺14]. **Weyl** [AMV18]. **where** [BP12]. **White** [RTLL13]. **window**
 [GS15]. **wires** [SW10]. **within** [HMPW17]. **without** [BAB⁺18].

X [AvVD⁺11, CPL⁺13, MBSR⁺18, PMR16, RS10, WAC⁺16]. **X-ray**
 [AvVD⁺11, MBSR⁺18, PMR16, RS10, WAC⁺16]. **xenon** [AD10].

Years [ST18, BBF⁺16, MJT15]. **Yield** [BDB⁺17].

Zoo [Wen17].

References

Adelberger:2011:SFC

[A⁺11] E. G. Adelberger et al. Solar fusion cross sections. II. The *pp* chain and CNO cycles. *Reviews of Modern Physics*, 83(1): 195–245, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.195>; http://rmp.aps.org/abstract/RMP/v83/i1/p195_1.

Ando:2013:MAG

[A⁺13] Shin'ichiro Ando et al. Colloquium: Multimessenger astronomy with gravitational waves and high-energy neutrinos. *Reviews of Modern Physics*, 85(4):1401–1420, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1401>; http://rmp.aps.org/abstract/RMP/v85/i4/p1401_1.

Ayala:2010:PCP

[AAL⁺10] Paola Ayala, Raul Arenal, Annick Loiseau, Angel Rubio, and Thomas Pichler. The physical and chemical properties of heteronanotubes. *Reviews of Modern Physics*, 82(2):

1843–1885, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1843>; http://rmp.aps.org/abstract/RMP/v82/i2/p1843_1.

Aref:2017:FCA

- [ABB⁺17] Hassan Aref, John R. Blake, Marko Budisić, Silvana S. S. Cardoso, Julyan H. E. Cartwright, Herman J. H. Clercx, Kamal El Omari, Ulrike Feudel, Ramin Golestanian, Emmanuelle Gouillart, GertJan F. van Heijst, Tatyana S. Krasnopolskaya, Yves Le Guer, Robert S. MacKay, Vyacheslav V. Meleshko, Guy Metcalfe, Igor Mezić, Alessandro P. S. de Moura, Oreste Piro, Michel F. M. Speetjens, Rob Sturman, Jean-Luc Thiffeault, and Idan Tuval. Frontiers of chaotic advection. *Reviews of Modern Physics*, 89(2):025007–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025007>.

Aidala:2013:SSN

- [ABHM13] Christine A. Aidala, Steven D. Bass, Delia Hasch, and Gerhard K. Mallot. The spin structure of the nucleon. *Reviews of Modern Physics*, 85(2):655–691, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.655>; http://rmp.aps.org/abstract/RMP/v85/i2/p655_1.

Artuso:2016:CVB

- [ABL16] Marina Artuso, Guennadi Borissov, and Alexander Lenz. CP violation in the B_s^0 system. *Reviews of Modern Physics*, 88(4):045002–??, October/December 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Anglani:2014:CCS

- [ACC⁺14] Roberto Anglani, Roberto Casalbuoni, Marco Ciminale, Nicola Ippolito, Raoul Gatto, Massimo Mannarelli, and Marco Ruggieri. Crystalline color superconductors. *Reviews of Modern Physics*, 86(2):509–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.509>.

Arimondo:2010:CEM

- [ACM10] E. Arimondo, Charles W. Clark, and W. C. Martin. Colloquium: Ettore Majorana and the birth of autoionization. *Reviews of Modern Physics*, 82(3):1947–1958, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1947>; http://rmp.aps.org/abstract/RMP/v82/i3/p1947_1.

Aprile:2010:LXD

- [AD10] E. Aprile and T. Doke. Liquid xenon detectors for particle physics and astrophysics. *Reviews of Modern Physics*, 82(3):2053–2097, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2053>; http://rmp.aps.org/abstract/RMP/v82/i3/p2053_1.

Adhikari:2014:GRD

- [Adh14] Rana X. Adhikari. Gravitational radiation detection with laser interferometry. *Reviews of Modern Physics*, 86(1):121–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.121>.

Altarelli:2010:DFS

- [AF10] Guido Altarelli and Ferruccio Feruglio. Discrete flavor symmetries and models of neutrino mixing. *Reviews of Modern Physics*, 82(3):2701–2729, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2701>; http://rmp.aps.org/abstract/RMP/v82/i3/p2701_1.

Armitage:2010:PPE

- [AFG10] N. P. Armitage, P. Fournier, and R. L. Greene. Progress and perspectives on electron-doped cuprates. *Reviews of Modern Physics*, 82(3):2421–2487, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2421>; http://rmp.aps.org/abstract/RMP/v82/i3/p2421_1.

Alexander:2012:CDL

- [AgCMK12a] Gareth P. Alexander, Bryan Ginge Chen, Elisabetta A. Matsumoto, and Randall D. Kamien. Colloquium: Disclination loops, point defects, and all that in nematic liquid crystals. *Reviews of Modern Physics*, 84(2):497–514, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.497>; http://rmp.aps.org/abstract/RMP/v84/i2/p497_1. See publisher’s note [AgCMK12b].

Alexander:2012:PNC

- [AgCMK12b] Gareth P. Alexander, Bryan Ginge Chen, Elisabetta A. Matsumoto, and Randall D. Kamien. Publisher’s note: Colloquium: Disclination loops, point defects, and all that in nematic liquid crystals [Rev. Mod. Phys. **84**, 497 (2012)]. *Reviews of Modern Physics*, 84(3):1229, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1229>; http://rmp.aps.org/abstract/RMP/v84/i3/p1229_1. See [AgCMK12a].

Andreyev:2013:BDF

- [AHV13] Andrei N. Andreyev, Mark Huyse, and Piet Van Duppen. Colloquium: Beta-delayed fission of atomic nuclei. *Reviews of Modern Physics*, 85(4):1541–1559, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1541>; http://rmp.aps.org/abstract/RMP/v85/i4/p1541_1.

Akasaki:2015:NLF

- [Aka15] Isamu Akasaki. Nobel lecture: Fascinated journeys into blue light. *Reviews of Modern Physics*, 87(4):1119–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1119>.

Aspelmeyer:2014:CO

- [AKM14] Markus Aspelmeyer, Tobias J. Kippenberg, and Florian Marquardt. Cavity optomechanics. *Reviews of Modern Physics*, 86(4):1391–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://>

journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1391.

Albash:2018:AQC

- [AL18] Tameem Albash and Daniel A. Lidar. Adiabatic quantum computation. *Reviews of Modern Physics*, 90(1):015002–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015002>.

Albino:2010:HP

- [Alb10] S. Albino. Hadronization of partons. *Reviews of Modern Physics*, 82(3):2489–2556, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2489>; http://rmp.aps.org/abstract/RMP/v82/i3/p2489_1.

Amano:2015:NLG

- [Ama15] Hiroshi Amano. Nobel lecture: Growth of GaN on sapphire via low-temperature deposited buffer layer and realization of *p*-type GaN by Mg doping followed by low-energy electron beam irradiation. *Reviews of Modern Physics*, 87(4):1133–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1133>.

Armitage:2018:WDS

- [AMV18] N. P. Armitage, E. J. Mele, and Ashvin Vishwanath. Weyl and Dirac semimetals in three-dimensional solids. *Reviews of Modern Physics*, 90(1):015001–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015001>.

Anonymous:2018:ACP

- [Ano18] Anonymous. Announcement: Corrections in Physical Review publications. *Reviews of Modern Physics*, 90(1):010002–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.010002>.

Andersen:2016:PDQ

- [ANT16] Jens O. Andersen, William R. Naylor, and Anders Tranberg. Phase diagram of QCD in a magnetic field. *Reviews of Modern Physics*, 88(2):025001–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.025001>.

Alexandrou:2012:CSH

- [APV12] Constantia Alexandrou, Costas N. Papanicolas, and Marc Vanderhaeghen. Colloquium: The shape of hadrons. *Reviews of Modern Physics*, 84(3):1231–1251, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1231>; http://rmp.aps.org/abstract/RMP/v84/i3/p1231_1.

Aguilar-Saavedra:2015:ATQ

- [ASAJPV15] J. A. Aguilar-Saavedra, D. Amidei, A. Juste, and M. Pérez-Victoria. Asymmetries in top quark pair production at hadron colliders. *Reviews of Modern Physics*, 87(2):421–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.421>.

Azaele:2016:SME

- [ASG⁺16] Sandro Azaele, Samir Suweis, Jacopo Grilli, Igor Volkov, Jayanth R. Banavar, and Amos Maritan. Statistical mechanics of ecological systems: Neutral theory and beyond. *Reviews of Modern Physics*, 88(3):035003–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035003>.

Aoki:2014:NDM

- [ATE⁺14] Hideo Aoki, Naoto Tsuji, Martin Eckstein, Marcus Kollar, Takashi Oka, and Philipp Werner. Nonequilibrium dynamical mean-field theory and its applications. *Reviews of Modern Physics*, 86(2):779–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.779>.

Ament:2011:RIX

- [AvVD⁺11] Luuk J. P. Ament, Michel van Veenendaal, Thomas P. Devereaux, John P. Hill, and Jeroen van den Brink. Resonant inelastic X-ray scattering studies of elementary excitations. *Reviews of Modern Physics*, 83(2):705–767, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.705>; http://rmp.aps.org/abstract/RMP/v83/i2/p705_1.

Amann-Winkel:2016:CWC

- [AWBF⁺16] Katrin Amann-Winkel, Roland Böhmer, Franz Fujara, Catalin Gainaru, Burkhard Geil, and Thomas Loerting. Colloquium: Water’s controversial glass transitions. *Reviews of Modern Physics*, 88(1):011002–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.011002>.

Braun:2018:QEM

- [BAB⁺18] Daniel Braun, Gerardo Adesso, Fabio Benatti, Roberto Floreanini, Ugo Marzolino, Morgan W. Mitchell, and Stefano Pirandola. Quantum-enhanced measurements without entanglement. *Reviews of Modern Physics*, 90(3):035006–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035006>.

Bambi:2017:TBH

- [Bam17] Cosimo Bambi. Testing black hole candidates with electromagnetic radiation. *Reviews of Modern Physics*, 89(2):025001–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025001>.

Bartelmann:2010:DU

- [Bar10] Matthias Bartelmann. The dark Universe. *Reviews of Modern Physics*, 82(1):331–382, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.331>; http://rmp.aps.org/abstract/RMP/v82/i1/p331_1.

Barish:2018:NLL

- [Bar18] Barry C. Barish. Nobel lecture: LIGO and gravitational waves II. *Reviews of Modern Physics*, 90(4):040502–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <https://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.040502>.

Basov:2011:ECE

- [BAvdM⁺11] D. N. Basov, Richard D. Averitt, Dirk van der Marel, Martin Dressel, and Kristjan Haule. Electrodynamic of correlated electron materials. *Reviews of Modern Physics*, 83(2):471–541, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.471>; http://rmp.aps.org/abstract/RMP/v83/i2/p471_1.

Berthier:2011:TPG

- [BB11] Ludovic Berthier and Giulio Biroli. Theoretical perspective on the glass transition and amorphous materials. *Reviews of Modern Physics*, 83(2):587–645, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.587>; http://rmp.aps.org/abstract/RMP/v83/i2/p587_1.

Bonnell:2012:IPP

- [BBB⁺12] Dawn A. Bonnell, D. N. Basov, Matthias Bode, Ulrike Diebold, Sergei V. Kalinin, Vidya Madhavan, Lukas Novotny, Miquel Salmeron, Udo D. Schwarz, and Paul S. Weiss. Imaging physical phenomena with local probes: From electrons to photons. *Reviews of Modern Physics*, 84(3):1343–1381, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1343>; http://rmp.aps.org/abstract/RMP/v84/i3/p1343_1.

Bostedt:2016:LCL

- [BBF⁺16] Christoph Bostedt, Sébastien Boutet, David M. Fritz, Zhirong Huang, Hae Ja Lee, Henrik T. Lemke, Aymeric Robert, William F. Schlotter, Joshua J. Turner, and Garth J. Williams. Linac Coherent Light Source: The first five years. *Reviews of Modern Physics*, 88(1):015007–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic),

1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015007>.

Brando:2016:MQF

- [BBGK16a] M. Brando, D. Belitz, F. M. Grosche, and T. R. Kirkpatrick. Metallic quantum ferromagnets. *Reviews of Modern Physics*, 88(2):025006–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.025006>.

Brando:2016:PNM

- [BBGK16b] M. Brando, D. Belitz, F. M. Grosche, and T. R. Kirkpatrick. Publisher’s note: Metallic quantum ferromagnets [Rev. Mod. Phys. 88, 25006 (2016)]. *Reviews of Modern Physics*, 88(3):039901–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.039901>.

Bekaert:2012:HHS

- [BBS12] Xavier Bekaert, Nicolas Boulanger, and Per A. Sundell. How higher-spin gravity surpasses the spin-two barrier. *Reviews of Modern Physics*, 84(3):987–1009, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.987>; http://rmp.aps.org/abstract/RMP/v84/i3/p987_1.

Buhrman:2010:NCC

- [BCMdW10] Harry Buhrman, Richard Cleve, Serge Massar, and Ronald de Wolf. Nonlocality and communication complexity. *Reviews of Modern Physics*, 82(1):665–698, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.665>; http://rmp.aps.org/abstract/RMP/v82/i1/p665_1.

Brunner:2014:BN

- [BCP⁺14a] Nicolas Brunner, Daniel Cavalcanti, Stefano Pironio, Valerio Scarani, and Stephanie Wehner. Bell nonlocality. *Reviews of Modern Physics*, 86(2):419–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic),

1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.419>. See note [BCP⁺14b].

Brunner:2014:PNB

- [BCP⁺14b] Nicolas Brunner, Daniel Cavalcanti, Stefano Pironio, Valerio Scarani, and Stephanie Wehner. Publisher’s note: Bell nonlocality [Rev. Mod. Phys. **86**, 419 (2014)]. *Reviews of Modern Physics*, 86(2):839–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.839>. See [BCP⁺14a].

Bonn:2017:YSM

- [BDB⁺17] Daniel Bonn, Morton M. Denn, Ludovic Berthier, Thibaut Divoux, and Sébastien Manneville. Yield stress materials in soft condensed matter. *Reviews of Modern Physics*, 89(3):035005–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035005>.

Bertini:2015:MFT

- [BDG⁺15] Lorenzo Bertini, Alberto De Sole, Davide Gabrielli, Giovanni Jona-Lasinio, and Claudio Landim. Macroscopic fluctuation theory. *Reviews of Modern Physics*, 87(2):593–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.593>.

Briceno:2018:SPR

- [BDY18] Raúl A. Briceño, Jozef J. Dudek, and Ross D. Young. Scattering processes and resonances from lattice QCD. *Reviews of Modern Physics*, 90(2):025001–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025001>.

Beenakker:2015:RMT

- [Bee15] C. W. J. Beenakker. Random-matrix theory of Majorana fermions and topological superconductors. *Reviews of Modern Physics*, 87(3):1037–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1037>.

Back:2014:RDH

- [BEJR14] B. B. Back, H. Esbensen, C. L. Jiang, and K. E. Rehm. Recent developments in heavy-ion fusion reactions. *Reviews of Modern Physics*, 86(1):317–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.317>.

Betzig:2015:NLS

- [Bet15] Eric Betzig. Nobel lecture: Single molecules, cells, and super-resolution optics. *Reviews of Modern Physics*, 87(4):1153–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1153>.

Branco:2012:LCV

- [BFJ12] G. C. Branco, R. González Felipe, and F. R. Joaquim. Leptonic CP violation. *Reviews of Modern Physics*, 84(2):515–565, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.515>; http://rmp.aps.org/abstract/RMP/v84/i2/p515_1.

Basov:2014:CGS

- [BFL⁺14] D. N. Basov, M. M. Fogler, A. Lanzara, Feng Wang, and Yuanbo Zhang. Colloquium: Graphene spectroscopy. *Reviews of Modern Physics*, 86(3):959–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.959>.

Bernstein:2013:NPL

- [BH13] A. M. Bernstein and Barry R. Holstein. Neutral pion lifetime measurements and the QCD chiral anomaly. *Reviews of Modern Physics*, 85(1):49–77, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.49>; http://rmp.aps.org/abstract/RMP/v85/i1/p49_1.

Bernardi:2014:SMH

- [BH14] Gregorio Bernardi and Matthew Herndon. Standard model Higgs boson searches through the 125 GeV boson discovery. *Reviews of Modern Physics*, 86(2):479–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.479>.

Bertone:2018:HDM

- [BH18] Gianfranco Bertone and Dan Hooper. History of dark matter. *Reviews of Modern Physics*, 90(4):045002:1–045002:32, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.045002>.

Buehler:2010:CFM

- [BK10] Markus J. Buehler and Sinan Ketten. Colloquium: Failure of molecules, bones, and the Earth itself. *Reviews of Modern Physics*, 82(2):1459–1487, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1459>; http://rmp.aps.org/abstract/RMP/v82/i2/p1459_1.

Brownutt:2015:ITM

- [BKRB15] M. Brownutt, M. Kumph, P. Rabl, and R. Blatt. Ion-trap measurements of electric-field noise near surfaces. *Reviews of Modern Physics*, 87(4):1419–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1419>.

Becker:2012:TPC

- [BLHE12] Wilhelm Becker, XiaoJun Liu, Phay Jo Ho, and Joseph H. Eberly. Theories of photoelectron correlation in laser-driven multiple atomic ionization. *Reviews of Modern Physics*, 84(3):1011–1043, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1011>; http://rmp.aps.org/abstract/RMP/v84/i3/p1011_1.

Benichou:2011:ISS

- [BLMV11] O. Bénichou, C. Loverdo, M. Moreau, and R. Voituriez. Intermittent search strategies. *Reviews of Modern Physics*, 83(1):81–129, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.81>; http://rmp.aps.org/abstract/RMP/v83/i1/p81_1.

Breuer:2016:CNM

- [BLPV16] Heinz-Peter Breuer, Elsi-Mari Laine, Jyrki Piilo, and Bassano Vacchini. Colloquium: Non-Markovian dynamics in open quantum systems. *Reviews of Modern Physics*, 88(2):021002–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.021002>.

Bassi:2013:MWF

- [BLS⁺13] Angelo Bassi, Kinjalk Lochan, Seema Satin, Tejinder P. Singh, and Hendrik Ulbricht. Models of wave-function collapse, underlying theories, and experimental tests. *Reviews of Modern Physics*, 85(2):471–527, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.471>; http://rmp.aps.org/abstract/RMP/v85/i2/p471_1.

Busch:2014:CQR

- [BLW14] Paul Busch, Pekka Lahti, and Reinhard F. Werner. Colloquium: Quantum root-mean-square error and measurement uncertainty relations. *Reviews of Modern Physics*, 86(4):1261–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1261>.

Broedersz:2014:MSP

- [BM14] C. P. Broedersz and F. C. MacKintosh. Modeling semiflexible polymer networks. *Reviews of Modern Physics*, 86(3):995–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.995>. See erratum [BM16].

Broedersz:2016:EMS

- [BM16] C. P. Broedersz and F. C. MacKintosh. Erratum: Modeling semiflexible polymer networks [Rev. Mod. Phys. 86, 995 (2014)]. *Reviews of Modern Physics*, 88(3):039903–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.039903>. See [BM14].

Baule:2018:ESM

- [BMHM18] Adrian Baule, Flaviano Morone, Hans J. Herrmann, and Hernán A. Makse. Edwards statistical mechanics for jammed granular matter. *Reviews of Modern Physics*, 90(1):015006–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015006>.

Baltz:2018:AS

- [BMT⁺18] V. Baltz, A. Manchon, M. Tsoi, T. Moriyama, T. Ono, and Y. Tserkovnyak. Antiferromagnetic spintronics. *Reviews of Modern Physics*, 90(1):015005–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015005>.

Bernabeu:2015:CTR

- [BMV15] J. Bernabéu and F. Martínez-Vidal. Colloquium: Time-reversal violation with quantum-entangled B mesons. *Reviews of Modern Physics*, 87(1):165–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.165>.

Bressloff:2013:SMI

- [BN13] Paul C. Bressloff and Jay M. Newby. Stochastic models of intracellular transport. *Reviews of Modern Physics*, 85(1):135–196, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.135>; http://rmp.aps.org/abstract/RMP/v85/i1/p135_1.

Boyle:2010:NLC

- [Boy10] Willard S. Boyle. Nobel Lecture: CCD — an extension of man’s view. *Reviews of Modern Physics*, 82(3):2305–

2306, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2305>; http://rmp.aps.org/abstract/RMP/v82/i3/p2305_1.

Boninsegni:2012:CSW

- [BP12] Massimo Boninsegni and Nikolay V. Prokof'ev. Colloquium: Supersolids: What and where are they? *Reviews of Modern Physics*, 84(2):759–776, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.759>; http://rmp.aps.org/abstract/RMP/v84/i2/p759_1.

Bartels-Rausch:2012:ISP

- [BRBC⁺12] Thorsten Bartels-Rausch, Vance Bergeron, Julyan H. E. Cartwright, Rafael Escribano, John L. Finney, Hinrich Grothe, Pedro J. Gutiérrez, Jari Haapala, Werner F. Kuhs, Jan B. C. Pettersson, Stephen D. Price, C. Ignacio Sainz-Díaz, Debbie J. Stokes, Giovanni Strazzulla, Erik S. Thomson, Hauke Trinks, and Nevin Uras-Aytemiz. Ice structures, patterns, and processes: a view across the icefields. *Reviews of Modern Physics*, 84(2):885–944, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.885>; http://rmp.aps.org/abstract/RMP/v84/i2/p885_1.

Bergeret:2018:CNE

- [BSVH18] F. Sebastian Bergeret, Mikhail Silaev, Pauli Virtanen, and Tero T. Heikkilä. Colloquium: Nonequilibrium effects in superconductors with a spin-splitting field. *Reviews of Modern Physics*, 90(4):041001–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.041001>.

Bazavov:2010:NQS

- [BTB⁺10] A. Bazavov, D. Toussaint, C. Bernard, J. Laiho, C. DeTar, L. Levkova, M. B. Oktay, Steven Gottlieb, U. M. Heller, J. E. Hetrick, P. B. Mackenzie, R. Sugar, and R. S. Van de Water. Nonperturbative QCD simulations with 2 + 1 flavors of improved staggered quarks. *Reviews of Modern Physics*, 82(2):1349–1417, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://>

link.aps.org/doi/10.1103/RevModPhys.82.1349; http://rmp.aps.org/abstract/RMP/v82/i2/p1349_1.

Burrows:2013:CPC

- [Bur13] Adam Burrows. Colloquium: Perspectives on core-collapse supernova theory. *Reviews of Modern Physics*, 85(1):245–261, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.245>; http://rmp.aps.org/abstract/RMP/v85/i1/p245_1.

Cariglia:2014:HSD

- [Car14] Marco Cariglia. Hidden symmetries of dynamics in classical and quantum physics. *Reviews of Modern Physics*, 86(4):1283–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1283>.

Cazorla:2017:SUA

- [CB17] Claudio Cazorla and Jordi Boronat. Simulation and understanding of atomic and molecular quantum crystals. *Reviews of Modern Physics*, 89(3):035003–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035003>.

Cortini:2016:PE

- [CBC⁺16] Ruggero Cortini, Maria Barbi, Bertrand R. Caré, Christophe Lavelle, Annick Lesne, Julien Mozziconacci, and Jean-Marc Victor. The physics of epigenetics. *Reviews of Modern Physics*, 88(2):025002–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.025002>.

Centrella:2010:BHB

- [CBKvM10] Joan Centrella, John G. Baker, Bernard J. Kelly, and James R. van Meter. Black-hole binaries, gravitational waves, and numerical relativity. *Reviews of Modern Physics*, 82(4):3069–3119, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.3069>; http://rmp.aps.org/abstract/RMP/v82/i4/p3069_1.

Coles:2017:EUR

- [CBTW17] Patrick J. Coles, Mario Berta, Marco Tomamichel, and Stephanie Wehner. Entropic uncertainty relations and their applications. *Reviews of Modern Physics*, 89(1):015002–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.015002>.

Carusotto:2013:QFL

- [CC13] Iacopo Carusotto and Cristiano Ciuti. Quantum fluids of light. *Reviews of Modern Physics*, 85(1):299–366, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.299>; http://rmp.aps.org/abstract/RMP/v85/i1/p299_1.

Courteau:2014:GM

- [CCdJ⁺14] Stéphane Courteau, Michele Cappellari, Roelof S. de Jong, Aaron A. Dutton, Eric Emsellem, Henk Hoekstra, L. V. E. Koopmans, Gary A. Mamon, Claudia Maraston, Tommaso Treu, and Lawrence M. Widrow. Galaxy masses. *Reviews of Modern Physics*, 86(1):47–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.47>.

Cazalilla:2011:ODB

- [CCG⁺11] M. A. Cazalilla, R. Citro, T. Giamarchi, E. Orignac, and M. Rigol. One dimensional bosons: From condensed matter systems to ultracold gases. *Reviews of Modern Physics*, 83(4):1405–1466, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1405>; http://rmp.aps.org/abstract/RMP/v83/i4/p1405_1.

Clerk:2010:IQN

- [CDG⁺10] A. A. Clerk, M. H. Devoret, S. M. Girvin, Florian Marquardt, and R. J. Schoelkopf. Introduction to quantum noise, measurement, and amplification. *Reviews of Modern Physics*, 82(2):1155–1208, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1155>; http://rmp.aps.org/abstract/RMP/v82/i2/p1155_1.

Chang:2018:CQM

- [CDGT⁺18] D. E. Chang, J. S. Douglas, A. González-Tudela, C.-L. Hung, and H. J. Kimble. Colloquium: Quantum matter built from nanoscopic lattices of atoms and photons. *Reviews of Modern Physics*, 90(3):031002–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.031002>.

Cirigliano:2012:KDS

- [CEN⁺12] Vincenzo Cirigliano, Gerhard Ecker, Helmut Neufeld, Antonio Pich, and Jorge Portolés. Kaon decays in the Standard Model. *Reviews of Modern Physics*, 84(1):399–447, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.399>; http://rmp.aps.org/abstract/RMP/v84/i1/p399_1.

Chakhalian:2014:CEP

- [CFM⁺14] Jak Chakhalian, John W. Freeland, Andrew J. Millis, Christos Panagopoulos, and James M. Rondinelli. Colloquium: Emergent properties in plane view: Strong correlations at oxide interfaces. *Reviews of Modern Physics*, 86(4):1189–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1189>.

Cyburt:2016:BBN

- [CFOY16] Richard H. Cyburt, Brian D. Fields, Keith A. Olive, and Tsung-Han Yeh. Big bang nucleosynthesis: Present status. *Reviews of Modern Physics*, 88(1):015004–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015004>.

Carrera:2010:IGC

- [CG10] Matteo Carrera and Domenico Giulini. Influence of global cosmological expansion on local dynamics and kinematics. *Reviews of Modern Physics*, 82(1):169–208, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.169>; http://rmp.aps.org/abstract/RMP/v82/i1/p169_1.

Chin:2010:FRU

- [CGJT10] Cheng Chin, Rudolf Grimm, Paul Julienne, and Eite Tiesinga. Feshbach resonances in ultracold gases. *Reviews of Modern Physics*, 82(2):1225–1286, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1225>; http://rmp.aps.org/abstract/RMP/v82/i2/p1225_1.

Caruso:2014:QCM

- [CGLM14] Filippo Caruso, Vittorio Giovannetti, Cosmo Lupo, and Stefano Mancini. Quantum channels and memory effects. *Reviews of Modern Physics*, 86(4):1203–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1203>.

Carlson:2015:QMC

- [CGP⁺15] J. Carlson, S. Gandolfi, F. Pederiva, Steven C. Pieper, R. Schiavilla, K. E. Schmidt, and R. B. Wiringa. Quantum Monte Carlo methods for nuclear physics. *Reviews of Modern Physics*, 87(3):1067–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1067>.

Csaki:2016:AEH

- [CGT16] Csaba Csáki, Christophe Grojean, and John Terning. Alternatives to an elementary Higgs. *Reviews of Modern Physics*, 88(4):045001–??, October/December 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.045001>.

Caplan:2017:CAS

- [CH17] M. E. Caplan and C. J. Horowitz. Colloquium: Astromaterial science and nuclear pasta. *Reviews of Modern Physics*, 89(4):041002–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.041002>.

Campisi:2011:CQF

- [CHT11a] Michele Campisi, Peter Hänggi, and Peter Talkner. Colloquium: Quantum fluctuation relations: Foundations and applications. *Reviews of Modern Physics*, 83(3):771–791, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.771>; http://rmp.aps.org/abstract/RMP/v83/i3/p771_1. See erratum [CHT11b].

Campisi:2011:ECQ

- [CHT11b] Michele Campisi, Peter Hänggi, and Peter Talkner. Erratum: Colloquium: Quantum fluctuation relations: Foundations and applications [Rev. Mod. Phys. **83**, 771 (2011)]. *Reviews of Modern Physics*, 83(4):1653, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1653>; http://rmp.aps.org/abstract/RMP/v83/i4/p1653_1. See [CHT11a].

Cejnar:2010:QPT

- [CJC10] Pavel Cejnar, Jan Jolie, and Richard F. Casten. Quantum phase transitions in the shapes of atomic nuclei. *Reviews of Modern Physics*, 82(3):2155–2212, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2155>; http://rmp.aps.org/abstract/RMP/v82/i3/p2155_1.

Connors:2018:JMH

- [CNRS18] Megan Connors, Christine Nattrass, Rosi Reed, and Sevil Salur. Jet measurements in heavy ion physics. *Reviews of Modern Physics*, 90(2):025005–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025005>.

Corde:2013:FXR

- [CPL+13] S. Corde, K. Ta Phuoc, G. Lambert, R. Fitour, V. Malka, A. Rousse, A. Beck, and E. Lefebvre. Femtosecond X rays from laser-plasma accelerators. *Reviews of Modern Physics*, 85(1):1–48, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756.

URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1>;
http://rmp.aps.org/abstract/RMP/v85/i1/p1_1.

Catalan:2012:DWN

- [CSRS12] G. Catalan, J. Seidel, R. Ramesh, and J. F. Scott. Domain wall nanoelectronics. *Reviews of Modern Physics*, 84(1):119–156, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.119>; http://rmp.aps.org/abstract/RMP/v84/i1/p119_1.

Chiu:2016:CTQ

- [CTSR16] Ching-Kai Chiu, Jeffrey C. Y. Teo, Andreas P. Schnyder, and Shinsei Ryu. Classification of topological quantum matter with symmetries. *Reviews of Modern Physics*, 88(3):035005–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035005>.

Childs:2010:QAA

- [CvD10] Andrew M. Childs and Wim van Dam. Quantum algorithms for algebraic problems. *Reviews of Modern Physics*, 82(1):1–52, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1>; http://rmp.aps.org/abstract/RMP/v82/i1/p1_1.

Cao:2015:DMM

- [CW15] Hui Cao and Jan Wiersig. Dielectric microcavities: Model systems for wave chaos and non-Hermitian physics. *Reviews of Modern Physics*, 87(1):61–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.61>.

Chen:2016:PAW

- [CZ16] Liu Chen and Fulvio Zonca. Physics of Alfvén waves and energetic particles in burning plasmas. *Reviews of Modern Physics*, 88(1):015008–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015008>.

deAbajo:2010:OEE

- [dA10] F. J. García de Abajo. Optical excitations in electron microscopy. *Reviews of Modern Physics*, 82(1):209–275, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.209>; http://rmp.aps.org/abstract/RMP/v82/i1/p209_1.

Dai:2015:AOS

- [Dai15] Pengcheng Dai. Antiferromagnetic order and spin dynamics in iron-based superconductors. *Reviews of Modern Physics*, 87(3):855–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.855>.

Durante:2011:PBR

- [DC11] Marco Durante and Francis A. Cucinotta. Physical basis of radiation protection in space travel. *Reviews of Modern Physics*, 83(4):1245–1281, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1245>; http://rmp.aps.org/abstract/RMP/v83/i4/p1245_1.

Dieny:2017:PMA

- [DC17] B. Dieny and M. Chshiev. Perpendicular magnetic anisotropy at transition metal/oxide interfaces and applications. *Reviews of Modern Physics*, 89(2):025008–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025008>.

Dubi:2011:CHF

- [DD11] Yonatan Dubi and Massimiliano Di Ventra. Colloquium: Heat flow and thermoelectricity in atomic and molecular junctions. *Reviews of Modern Physics*, 83(1):131–155, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.131>; http://rmp.aps.org/abstract/RMP/v83/i1/p131_1.

Danielson:2015:PTB

- [DDGS15] J. R. Danielson, D. H. E. Dubin, R. G. Greaves, and C. M. Surko. Plasma and trap-based techniques for science with positrons. *Reviews of Modern Physics*, 87(1):247–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.247>.

DeGrand:2016:LTB

- [DeG16] Thomas DeGrand. Lattice tests of beyond standard model dynamics. *Reviews of Modern Physics*, 88(1):015001–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015001>.

Druzhinin:2011:HPC

- [DESS11] V. P. Druzhinin, S. I. Eidelman, S. I. Serednyakov, and E. P. Solodov. Hadron production via e^+e^- collisions with initial state radiation. *Reviews of Modern Physics*, 83(4):1545–1588, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1545>; http://rmp.aps.org/abstract/RMP/v83/i4/p1545_1.

Deliot:2012:TQP

- [DG12] Frédéric Déliot and Douglas A. Glenzinski. Top quark physics at the Tevatron using $t\bar{t}$ events. *Reviews of Modern Physics*, 84(1):211–252, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.211>; http://rmp.aps.org/abstract/RMP/v84/i1/p211_1.

Davis:2017:CAM

- [DG17] T. J. Davis and D. E. Gómez. Colloquium: An algebraic model of localized surface plasmons and their interactions. *Reviews of Modern Physics*, 89(1):011003–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.011003>.

Dalibard:2011:CAG

- [DGJÖ11] Jean Dalibard, Fabrice Gerbier, Gediminas Juzeliunas, and Patrik Öhberg. Colloquium: Artificial gauge potentials for neutral atoms. *Reviews of Modern Physics*, 83(4):1523–1543, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1523>; http://rmp.aps.org/abstract/RMP/v83/i4/p1523_1.

deBoer:2017:COR

- [dGW⁺17] R. J. deBoer, J. Görres, M. Wiescher, R. E. Azuma, A. Best, C. R. Brune, C. E. Fields, S. Jones, M. Pignatari, D. Sayre, K. Smith, F. X. Timmes, and E. Uberseder. The $C^{12}(\alpha, \gamma)O^{16}$ reaction and its implications for stellar helium burning. *Reviews of Modern Physics*, 89(3):035007–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Deng:2010:EPB

- [DHY10] Hui Deng, Hartmut Haug, and Yoshihisa Yamamoto. Exciton-polariton Bose–Einstein condensation. *Reviews of Modern Physics*, 82(2):1489–1537, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1489>; http://rmp.aps.org/abstract/RMP/v82/i2/p1489_1.

Derevianko:2011:CPO

- [DK11] Andrei Derevianko and Hidetoshi Katori. Colloquium: Physics of optical lattice clocks. *Reviews of Modern Physics*, 83(2):331–347, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.331>; http://rmp.aps.org/abstract/RMP/v83/i2/p331_1.

Duan:2010:CQN

- [DM10] L.-M. Duan and C. Monroe. Colloquium: Quantum networks with trapped ions. *Reviews of Modern Physics*, 82(2):1209–1224, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1209>; http://rmp.aps.org/abstract/RMP/v82/i2/p1209_1.

DiPiazza:2012:EHI

- [DMHK12] A. Di Piazza, C. Müller, K. Z. Hatsagortsyan, and C. H. Keitel. Extremely high-intensity laser interactions with fundamental quantum systems. *Reviews of Modern Physics*, 84(3):1177–1228, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1177>; http://rmp.aps.org/abstract/RMP/v84/i3/p1177_1.

Dressel:2014:CUQ

- [DMM⁺14] Justin Dressel, Mehul Malik, Filippo M. Miatto, Andrew N. Jordan, and Robert W. Boyd. Colloquium: Understanding quantum weak values: Basics and applications. *Reviews of Modern Physics*, 86(1):307–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.307>.

Dmitriev:2012:NPH

- [DMPZ12] I. A. Dmitriev, A. D. Mirlin, D. G. Polyakov, and M. A. Zudov. Nonequilibrium phenomena in high Landau levels. *Reviews of Modern Physics*, 84(4):1709–1763, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1709>; http://rmp.aps.org/abstract/RMP/v84/i4/p1709_1.

Dietl:2014:DFS

- [DO14] Tomasz Dietl and Hideo Ohno. Dilute ferromagnetic semiconductors: Physics and spintronic structures. *Reviews of Modern Physics*, 86(1):187–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.187>.

Dorfman:2010:DEM

- [Dor10] Kevin D. Dorfman. DNA electrophoresis in microfabricated devices. *Reviews of Modern Physics*, 82(4):2903–2947, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2903>; http://rmp.aps.org/abstract/RMP/v82/i4/p2903_1.

Degen:2017:QS

- [DRC17] C. L. Degen, F. Reinhard, and P. Cappellaro. Quantum sensing. *Reviews of Modern Physics*, 89(3):035002–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035002>.

deRham:2017:GMB

- [dRDTZ17] Claudia de Rham, J. Tate Deskins, Andrew J. Tolley, and Shuang-Yong Zhou. Graviton mass bounds. *Reviews of Modern Physics*, 89(2):025004–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025004>.

Dubbers:2011:NRC

- [DS11] Dirk Dubbers and Michael G. Schmidt. The neutron and its role in cosmology and particle physics. *Reviews of Modern Physics*, 83(4):1111–1171, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1111>; http://rmp.aps.org/abstract/RMP/v83/i4/p1111_1.

DeMartini:2012:CMQ

- [DS12] Francesco De Martini and Fabio Sciarrino. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. *Reviews of Modern Physics*, 84(4):1765–1789, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1765>; http://rmp.aps.org/abstract/RMP/v84/i4/p1765_1.

Dietl:2015:SNS

- [DSF⁺15] T. Dietl, K. Sato, T. Fukushima, A. Bonanni, M. Jamet, A. Barski, S. Kuroda, M. Tanaka, Pham Nam Hai, and H. Katayama-Yoshida. Spinodal nanodecomposition in semiconductors doped with transition metals. *Reviews of Modern Physics*, 87(4):1311–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1311>.

deVega:2017:DNM

- [dVA17] Inés de Vega and Daniel Alonso. Dynamics of non-Markovian open quantum systems. *Reviews of Modern Physics*, 89(1):015001–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.015001>.

Dholakia:2010:CGL

- [DZ10] Kishan Dholakia and Pavel Zemánek. Colloquium: Grippled by light: Optical binding. *Reviews of Modern Physics*, 82(2):1767–1791, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1767>; http://rmp.aps.org/abstract/RMP/v82/i2/p1767_1.

Downer:2018:DPB

- [DZD⁺18] M. C. Downer, R. Zgadzaj, A. Debus, U. Schramm, and M. C. Kaluza. Diagnostics for plasma-based electron accelerators. *Reviews of Modern Physics*, 90(3):035002–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035002>.

etal:2014:DLA

- [ea14] R. Joel England et al. Dielectric laser accelerators. *Reviews of Modern Physics*, 86(4):1337–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1337>.

etal:2017:IIP

- [ea17] Frances Hellman et al. Interface-induced phenomena in magnetism. *Reviews of Modern Physics*, 89(2):025006–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025006>.

Escher:2012:CNR

- [EBD⁺12] Jutta E. Escher, Jason T. Burke, Frank S. Dietrich, Nicholas D. Scielzo, Ian J. Thompson, and Walid Younes. Compound-nuclear reaction cross sections from surrogate measurements. *Reviews of Modern Physics*, 84(1):353–397, January

2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.353>; http://rmp.aps.org/abstract/RMP/v84/i1/p353_1.

Eisert:2010:CAL

- [ECP10] J. Eisert, M. Cramer, and M. B. Plenio. Colloquium: Area laws for the entanglement entropy. *Reviews of Modern Physics*, 82(1):277–306, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.277>; http://rmp.aps.org/abstract/RMP/v82/i1/p277_1.

Einax:2013:CGS

- [EDM13] Mario Einax, Wolfgang Dieterich, and Philipp Maass. Colloquium: Cluster growth on surfaces: Densities, size distributions, and morphologies. *Reviews of Modern Physics*, 85(3):921–939, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.921>; http://rmp.aps.org/abstract/RMP/v85/i3/p921_1.

Elliott:2015:CMF

- [EF15] Steven R. Elliott and Marcel Franz. Colloquium: Majorana fermions in nuclear, particle, and solid-state physics. *Reviews of Modern Physics*, 87(1):137–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.137>.

Ermann:2015:GMA

- [EFS15] Leonardo Ermann, Klaus M. Frahm, and Dima L. Shepelyansky. Google matrix analysis of directed networks. *Reviews of Modern Physics*, 87(4):1261–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1261>.

Esposito:2009:NFF

- [EHM09] Massimiliano Esposito, Upendra Harbola, and Shaul Mukamel. Nonequilibrium fluctuations, fluctuation theorems, and counting statistics in quantum systems. *Reviews of Modern Physics*,

81(4):1665–1702, October 2009. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.81.1665>; http://rmp.aps.org/abstract/RMP/v81/i4/p1665_1. See erratum [EHM14].

Esposito:2014:ENF

[EHM14] Massimiliano Esposito, Upendra Harbola, and Shaul Mukamel. Erratum: Nonequilibrium fluctuations, fluctuation theorems, and counting statistics in quantum systems [Rev. Mod. Phys. **81**, 1665 (2009)]. *Reviews of Modern Physics*, 86(3):1125–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1125>. See [EHM09].

Englert:2014:NLB

[Eng14] François Englert. Nobel lecture: The BEH mechanism and its scalar boson. *Reviews of Modern Physics*, 86(3):843–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.843>.

Efstathiou:2010:NGA

[ES10] K. Efstathiou and D. A. Sadovskii. Normalization and global analysis of perturbations of the hydrogen atom. *Reviews of Modern Physics*, 82(3):2099–2154, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2099>; http://rmp.aps.org/abstract/RMP/v82/i3/p2099_1.

Efrati:2014:RSR

[EWKK14] Efi Efrati, Zhe Wang, Amy Kolan, and Leo P. Kadanoff. Real-space renormalization in statistical mechanics. *Reviews of Modern Physics*, 86(2):647–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.647>.

Freysoldt:2014:FPC

[FGH⁺14] Christoph Freysoldt, Blazej Grabowski, Tilmann Hickel, Jörg Neugebauer, Georg Kresse, Anderson Janotti, and Chris G. Van

de Walle. First-principles calculations for point defects in solids. *Reviews of Modern Physics*, 86(1):253–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.253>.

Feng:2010:SSH

[FGN10] Jonathan L. Feng, Jean-François Grivaz, and Jane Nachtman. Searches for supersymmetry at high-energy colliders. *Reviews of Modern Physics*, 82(1):699–727, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.699>; http://rmp.aps.org/abstract/RMP/v82/i1/p699_1.

Fodor:2012:LHM

[FH12] Zoltan Fodor and Christian Hoelbling. Light hadron masses from lattice QCD. *Reviews of Modern Physics*, 84(2):449–495, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.449>; http://rmp.aps.org/abstract/RMP/v84/i2/p449_1.

Freer:2018:MCL

[FHKE⁺18] Martin Freer, Hisashi Horiuchi, Yoshiko Kanada-En'yo, Dean Lee, and Ulf-G. Meißner. Microscopic clustering in light nuclei. *Reviews of Modern Physics*, 90(3):035004–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035004>.

Fradkin:2015:CTI

[FKT15] Eduardo Fradkin, Steven A. Kivelson, and John M. Tranquada. Colloquium: Theory of intertwined orders in high temperature superconductors. *Reviews of Modern Physics*, 87(2):457–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.457>.

Freese:2013:AMD

[FLS13] Katherine Freese, Mariangela Lisanti, and Christopher Savage. Colloquium: Annual modulation of dark matter. *Reviews of*

Modern Physics, 85(4):1561–1581, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1561>; http://rmp.aps.org/abstract/RMP/v85/i4/p1561_1.

Fennel:2010:LDN

[FMBT⁺10] Th. Fennel, K.-H. Meiwes-Broer, J. Tiggesbäumker, P.-G. Reinhard, P. M. Dinh, and E. Suraud. Laser-driven nonlinear cluster dynamics. *Reviews of Modern Physics*, 82(2):1793–1842, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1793>; http://rmp.aps.org/abstract/RMP/v82/i2/p1793_1.

French:2010:LRI

[FPP⁺10] Roger H. French, V. Adrian Parsegian, Rudolf Podgornik, Rick F. Rajter, Anand Jagota, Jian Luo, Dilip Asthagiri, Manoj K. Chaudhury, Yet ming Chiang, Steve Granick, Sergei Kalinin, Mehran Kardar, Roland Kjellander, David C. Langreth, Jennifer Lewis, Steve Lustig, David Wesolowski, John S. Wettlaufer, Wai-Yim Ching, Mike Finnis, Frank Houlihan, O. Anatole von Lilienfeld, Carel Jan van Oss, and Thomas Zemb. Long range interactions in nanoscale science. *Reviews of Modern Physics*, 82(2):1887–1944, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1887>; http://rmp.aps.org/abstract/RMP/v82/i2/p1887_1.

Fuchs:2013:QBC

[FS13] Christopher A. Fuchs and Rüdiger Schack. Quantum-Bayesian coherence. *Reviews of Modern Physics*, 85(4):1693–??, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.85.1693>.

Frowis:2018:MQS

[FSD⁺18] Florian Fröwis, Pavel Sekatski, Wolfgang Dür, Nicolas Gisin, and Nicolas Sangouard. Macroscopic quantum states: Measures, fragility, and implementations. *Reviews of Modern Physics*, 90(2):025004–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-

0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025004>.

Firstenberg:2013:CDP

- [FSRD13] O. Firstenberg, M. Shuker, A. Ron, and N. Davidson. Colloquium: Coherent diffusion of polaritons in atomic media. *Reviews of Modern Physics*, 85(3):941–960, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.941>; http://rmp.aps.org/abstract/RMP/v85/i3/p941_1.

Furrer:2013:MCE

- [FW13] Albert Furrer and Oliver Waldmann. Magnetic cluster excitations. *Reviews of Modern Physics*, 85(1):367–420, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.367>; http://rmp.aps.org/abstract/RMP/v85/i1/p367_1.

Friend:2011:MAM

- [FY11] James Friend and Leslie Y. Yeo. Microscale acoustofluidics: Microfluidics driven via acoustics and ultrasonics. *Reviews of Modern Physics*, 83(2):647–704, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.647>; http://rmp.aps.org/abstract/RMP/v83/i2/p647_1.

Formaggio:2012:EEN

- [FZ12] J. A. Formaggio and G. P. Zeller. From eV to EeV: Neutrino cross sections across energy scales. *Reviews of Modern Physics*, 84(3):1307–1341, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1307>; http://rmp.aps.org/abstract/RMP/v84/i3/p1307_1.

Georgescu:2014:QS

- [GAN14] I. M. Georgescu, S. Ashhab, and Franco Nori. Quantum simulation. *Reviews of Modern Physics*, 86(1):153–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.153>.

Guan:2013:FGO

- [GBL13] Xi-Wen Guan, Murray T. Batchelor, and Chaohong Lee. Fermi gases in one dimension: From Bethe ansatz to experiments. *Reviews of Modern Physics*, 85(4):1633–??, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.85.1633>.

Genzel:2010:GCM

- [GEG10] Reinhard Genzel, Frank Eisenhauer, and Stefan Gillessen. The Galactic Center massive black hole and nuclear star cluster. *Reviews of Modern Physics*, 82(4):3121–3195, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.3121>; http://rmp.aps.org/abstract/RMP/v82/i4/p3121_1.

Geim:2011:NLR

- [Gei11] Andre K. Geim. Nobel Lecture: Random walk to graphene. *Reviews of Modern Physics*, 83(3):851–862, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.851>; http://rmp.aps.org/abstract/RMP/v83/i3/p851_1.

Gardner:2010:MPO

- [GGG10] Jason S. Gardner, Michel J. P. Gingras, and John E. Greedan. Magnetic pyrochlore oxides. *Reviews of Modern Physics*, 82(1):53–107, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.53>; http://rmp.aps.org/abstract/RMP/v82/i1/p53_1.

Greene:2017:UFB

- [GGPR17] Chris H. Greene, P. Giannakeas, and J. Pérez-Ríos. Universal few-body physics and cluster formation. *Reviews of Modern Physics*, 89(3):035006–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035006>.

Gal:2016:SNP

- [GHM16] A. Gal, E. V. Hungerford, and D. J. Millener. Strangeness in nuclear physics. *Reviews of Modern Physics*, 88(3):035004–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035004>.

Guo:2018:HM

- [GHM⁺18] Feng-Kun Guo, Christoph Hanhart, Ulf-G. Meißner, Qian Wang, Qiang Zhao, and Bing-Song Zou. Hadronic molecules. *Reviews of Modern Physics*, 90(1):015004–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015004>.

Giustino:2017:EPI

- [Giu17] Feliciano Giustino. Electron-phonon interactions from first principles. *Reviews of Modern Physics*, 89(1):015003–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.015003>.

Gorkov:2018:CHP

- [GK18] Lev P. Gor’kov and Vladimir Z. Kresin. Colloquium: High pressure and road to room temperature superconductivity. *Reviews of Modern Physics*, 90(1):011001–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.011001>.

Grimvall:2012:LIM

- [GMKOP12] Göran Grimvall, Blanka Magyari-Köpe, Vidvuds Ozolins, and Kristin A. Persson. Lattice instabilities in metallic elements. *Reviews of Modern Physics*, 84(2):945–986, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.945>; http://rmp.aps.org/abstract/RMP/v84/i2/p945_1.

Gull:2011:CTM

- [GML⁺11] Emanuel Gull, Andrew J. Millis, Alexander I. Lichtenstein, Alexey N. Rubtsov, Matthias Troyer, and Philipp Werner.

Continuous-time Monte Carlo methods for quantum impurity models. *Reviews of Modern Physics*, 83(2):349–404, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.349>; http://rmp.aps.org/abstract/RMP/v83/i2/p349_1.

Green:2017:MIL

- [GMP17] D. R. Green, P. Meade, and M.-A. Pleier. Multiboson interactions at the LHC. *Reviews of Modern Physics*, 89(3):035008–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035008>.

Goldhaber:2010:PGM

- [GN10] Alfred Scharff Goldhaber and Michael Martin Nieto. Photon and graviton mass limits. *Reviews of Modern Physics*, 82(1):939–979, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.939>; http://rmp.aps.org/abstract/RMP/v82/i1/p939_1.

Gentile:2017:OPH

- [GNSW17] T. R. Gentile, P. J. Nacher, B. Saam, and T. G. Walker. Optically polarized He³. *Reviews of Modern Physics*, 89(4):045004–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Goerbig:2011:EPG

- [Goe11] M. O. Goerbig. Electronic properties of graphene in a strong magnetic field. *Reviews of Modern Physics*, 83(4):1193–1243, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1193>; http://rmp.aps.org/abstract/RMP/v83/i4/p1193_1.

Goldman:2014:CBP

- [Gol14] Daniel I. Goldman. Colloquium: Biophysical principles of undulatory self-propulsion in granular media. *Reviews of Modern Physics*, 86(3):943–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic),

1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.943>.

Grason:2015:CGO

- [Gra15] Gregory M. Grason. Colloquium: Geometry and optimal packing of twisted columns and filaments. *Reviews of Modern Physics*, 87(2):401–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.401>.

Giunti:2015:NEI

- [GS15] Carlo Giunti and Alexander Studenikin. Neutrino electromagnetic interactions: A window to new physics. *Reviews of Modern Physics*, 87(2):531–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.531>.

Giammanco:2018:STQ

- [GS18] Andrea Giammanco and Reinhard Schwienhorst. Single top-quark production at the Tevatron and the LHC. *Reviews of Modern Physics*, 90(3):035001–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035001>.

Giraud:2010:HSD

- [GT10] Olivier Giraud and Koen Thas. Hearing shapes of drums: Mathematical and physical aspects of isospectrality. *Reviews of Modern Physics*, 82(3):2213–2255, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2213>; http://rmp.aps.org/abstract/RMP/v82/i3/p2213_1.

Garcia-Vidal:2010:LPT

- [GVMMEK10] F. J. Garcia-Vidal, L. Martin-Moreno, T. W. Ebbesen, and L. Kuipers. Light passing through subwavelength apertures. *Reviews of Modern Physics*, 82(1):729–787, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.729>; http://rmp.aps.org/abstract/RMP/v82/i1/p729_1.

Gu:2018:CPT

- [GWY⁺18] Xiaokun Gu, Yujie Wei, Xiaobo Yin, Baowen Li, and Ronggui Yang. Colloquium: Phononic thermal properties of two-dimensional materials. *Reviews of Modern Physics*, 90(4):041002–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.041002>.

Gribakin:2010:PMI

- [GYS10] G. F. Gribakin, J. A. Young, and C. M. Surko. Positron-molecule interactions: Resonant attachment, annihilation, and bound states. *Reviews of Modern Physics*, 82(3):2557–2607, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2557>; http://rmp.aps.org/abstract/RMP/v82/i3/p2557_1.

Haldane:2017:NLT

- [Hal17] F. Duncan M. Haldane. Nobel lecture: Topological quantum matter. *Reviews of Modern Physics*, 89(4):040502–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.040502>.

Haroche:2013:NLC

- [Har13] Serge Haroche. Nobel Lecture: Controlling photons in a box and exploring the quantum to classical boundary. *Reviews of Modern Physics*, 85(3):1083–1102, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1083>; http://rmp.aps.org/abstract/RMP/v85/i3/p1083_1.

Harlow:2016:JLB

- [Har16] D. Harlow. Jerusalem lectures on black holes and quantum information. *Reviews of Modern Physics*, 88(1):015002–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015002>.

Herrero-Collantes:2017:QRN

- [HCGE17] Miguel Herrero-Collantes and Juan Carlos Garcia-Escartin. Quantum random number generators. *Reviews of Modern Physics*, 89(1):015004:1–015004:48, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.015004>.

Hell:2015:NLN

- [Hel15] Stefan W. Hell. Nobel lecture: Nanoscopy with freely propagating light. *Reviews of Modern Physics*, 87(4):1169–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1169>.

Hornberger:2012:CQI

- [HGH⁺12] Klaus Hornberger, Stefan Gerlich, Philipp Haslinger, Stefan Nimmrichter, and Markus Arndt. Colloquium: Quantum interference of clusters and molecules. *Reviews of Modern Physics*, 84(1):157–173, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.157>; http://rmp.aps.org/abstract/RMP/v84/i1/p157_1.

Hayano:2010:HPN

- [HH10] Ryugo S. Hayano and Tetsuo Hatsuda. Hadron properties in the nuclear medium. *Reviews of Modern Physics*, 82(4):2949–2990, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2949>; http://rmp.aps.org/abstract/RMP/v82/i4/p2949_1.

Hansson:2017:QHP

- [HHSV17] T. H. Hansson, M. Hermanns, S. H. Simon, and S. F. Viefers. Quantum Hall physics: Hierarchies and conformal field theory techniques. *Reviews of Modern Physics*, 89(2):025005–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025005>.

Higgs:2014:NLE

- [Hig14] Peter W. Higgs. Nobel lecture: Evading the Goldstone theorem. *Reviews of Modern Physics*, 86(3):851–??, July/September

2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.851>.

Hinterbichler:2012:TAM

- [Hin12] Kurt Hinterbichler. Theoretical aspects of massive gravity. *Reviews of Modern Physics*, 84(2):671–710, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.671>; http://rmp.aps.org/abstract/RMP/v84/i2/p671_1.

Hasan:2010:CTI

- [HK10] M. Z. Hasan and C. L. Kane. Colloquium: Topological insulators. *Reviews of Modern Physics*, 82(4):3045–3067, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.3045>; http://rmp.aps.org/abstract/RMP/v82/i4/p3045_1.

Hartnett:2011:CCA

- [HL11] John G. Hartnett and Andre N. Luiten. Colloquium: Comparison of astrophysical and terrestrial frequency standards. *Reviews of Modern Physics*, 83(1):1–9, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1>; http://rmp.aps.org/abstract/RMP/v83/i1/p1_1.

Hen:2017:NNC

- [HMPW17] Or Hen, Gerald A. Miller, Eli Piasetzky, and Lawrence B. Weinstein. Nucleon–nucleon correlations, short-lived excitations, and the quarks within. *Reviews of Modern Physics*, 89(4):045002–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.045002>.

Hammer:2013:CTB

- [HNS13] Hans-Werner Hammer, Andreas Nogga, and Achim Schwenk. Colloquium: Three-body forces: From cold atoms to nuclei. *Reviews of Modern Physics*, 85(1):197–217, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/>

doi/10.1103/RevModPhys.85.197; http://rmp.aps.org/abstract/RMP/v85/i1/p197_1.

Hobbs:2012:TSE

- [HNW12] John D. Hobbs, Mark S. Neubauer, and Scott Willenbrock. Tests of the standard electroweak model at the energy frontier. *Reviews of Modern Physics*, 84(4):1477–1526, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1477>; http://rmp.aps.org/abstract/RMP/v84/i4/p1477_1.

Hohenberg:2010:CIC

- [Hoh10] P. C. Hohenberg. Colloquium: An introduction to consistent quantum theory. *Reviews of Modern Physics*, 82(4):2835–2844, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2835>; http://rmp.aps.org/abstract/RMP/v82/i4/p2835_1.

Holt:2010:NPD

- [HR10] Roy J. Holt and Craig D. Roberts. Nucleon and pion distribution functions in the valence region. *Reviews of Modern Physics*, 82(4):2991–3044, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2991>; http://rmp.aps.org/abstract/RMP/v82/i4/p2991_1.

Hayen:2018:HPA

- [HSB⁺18] Leendert Hayen, Nathal Severijns, Kazimierz Bodek, Dagmara Rozpedzik, and Xavier Mougeot. High precision analytical description of the allowed β spectrum shape. *Reviews of Modern Physics*, 90(1):015008–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Hammerer:2010:QIB

- [HSP10] Klemens Hammerer, Anders S. Sørensen, and Eugene S. Polzik. Quantum interface between light and atomic ensembles. *Reviews of Modern Physics*, 82(2):1041–1093, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys>.

82.1041; http://rmp.aps.org/abstract/RMP/v82/i2/p1041_1.

Hemsing:2014:BDL

- [HSXZ14] Erik Hemsing, Gennady Stupakov, Dao Xiang, and Alexander Zholents. Beam by design: Laser manipulation of electrons in modern accelerators. *Reviews of Modern Physics*, 86(3):897–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.897>.

Heyde:2010:MDE

- [HvNCR10] Kris Heyde, Peter von Neumann-Cosel, and Achim Richter. Magnetic dipole excitations in nuclei: Elementary modes of nucleonic motion. *Reviews of Modern Physics*, 82(3):2365–2419, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2365>; http://rmp.aps.org/abstract/RMP/v82/i3/p2365_1.

Heyde:2011:PNS

- [HW11a] Kris Heyde and John L. Wood. Publisher’s note: Shape coexistence in atomic nuclei [Rev. Mod. Phys. **83**, 1467 (2011)]. *Reviews of Modern Physics*, 83(4):1655, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1655>; http://rmp.aps.org/abstract/RMP/v83/i4/p1655_1. See [HW11b].

Heyde:2011:SCA

- [HW11b] Kris Heyde and John L. Wood. Shape coexistence in atomic nuclei. *Reviews of Modern Physics*, 83(4):1467–1521, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1467>; http://rmp.aps.org/abstract/RMP/v83/i4/p1467_1. See note [HW11a].

Imambekov:2012:ODQ

- [ISG12] Adilet Imambekov, Thomas L. Schmidt, and Leonid I. Glazman. One-dimensional quantum liquids: Beyond the Luttinger liquid paradigm. *Reviews of Modern Physics*, 84(3):

1253–1306, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1253>; http://rmp.aps.org/abstract/RMP/v84/i3/p1253_1.

Jensen:2016:SFS

- [JBSB+16] K. H. Jensen, K. Berg-Sørensen, H. Bruus, N. M. Holbrook, J. Liesche, A. Schulz, M. A. Zwieniecki, and T. Bohr. Sap flow and sugar transport in plants. *Reviews of Modern Physics*, 88(3):035007–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035007>.

Jakli:2018:PLC

- [JLS18] Antal Jákli, Oleg D. Lavrentovich, and Jonathan V. Selinger. Physics of liquid crystals of bent-shaped molecules. *Reviews of Modern Physics*, 90(4):045004–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.045004>.

Jang:2018:DEN

- [JM18] Seogjoo J. Jang and Benedetta Mennucci. Delocalized excitons in natural light-harvesting complexes. *Reviews of Modern Physics*, 90(3):035003–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035003>.

Jones:2015:DFT

- [Jon15] R. O. Jones. Density functional theory: Its origins, rise to prominence, and future. *Reviews of Modern Physics*, 87(3):897–923, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.897>.

Jain:2017:NPQ

- [JS17] Sudhir Ranjan Jain and Rhine Samajdar. Nodal portraits of quantum billiards: Domains, lines, and statistics. *Reviews of Modern Physics*, 89(4):045005–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527

(electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.045005>.

Jungwirth:2014:SDP

- [JWN⁺14] T. Jungwirth, J. Wunderlich, V. Novák, K. Olejník, B. L. Gallagher, R. P. Campion, K. W. Edmonds, A. W. Rushforth, A. J. Ferguson, and P. Nemeč. Spin-dependent phenomena and device concepts explored in (ga,mn)as. *Reviews of Modern Physics*, 86(3):855–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.855>.

Kikuchi:2012:SST

- [KA12] M. Kikuchi and M. Azumi. Steady-state tokamak research: Core physics. *Reviews of Modern Physics*, 84(4):1807–1854, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1807>; http://rmp.aps.org/abstract/RMP/v84/i4/p1807_1.

Kashlinsky:2018:LCN

- [KAAB⁺18] A. Kashlinsky, R. G. Arendt, F. Atrio-Barandela, N. Cappelluti, A. Ferrara, and G. Hasinger. Looking at cosmic near-infrared background radiation anisotropies. *Reviews of Modern Physics*, 90(2):025006–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025006>.

Korolev:2010:GDE

- [KAHN10] K. S. Korolev, Mikkel Avlund, Oskar Hallatschek, and David R. Nelson. Genetic demixing and evolution in linear stepping stone models. *Reviews of Modern Physics*, 82(2):1691–1718, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1691>; http://rmp.aps.org/abstract/RMP/v82/i2/p1691_1.

Kajita:2016:NLD

- [Kaj16] Takaaki Kajita. Nobel Lecture: Discovery of atmospheric neutrino oscillations. *Reviews of Modern Physics*, 88(3):030501–??, July/September 2016. CODEN RMPHAT. ISSN 0034-

6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.030501>.

Kao:2010:NLS

- [Kao10] Charles K. Kao. Nobel Lecture: Sand from centuries past: Send future voices fast. *Reviews of Modern Physics*, 82(3):2299–2303, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2299>; http://rmp.aps.org/abstract/RMP/v82/i3/p2299_1.

Kim:2010:ASC

- [KC10] Jihn E. Kim and Gianpaolo Carosi. Axions and the strong CP problem. *Reviews of Modern Physics*, 82(1):557–601, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.557>; http://rmp.aps.org/abstract/RMP/v82/i1/p557_1.

Kappeler:2011:PNP

- [KGBA11] F. Käppeler, R. Gallino, S. Bisterzo, and Wako Aoki. The s process: Nuclear physics, stellar models, and observations. *Reviews of Modern Physics*, 83(1):157–193, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.157>; http://rmp.aps.org/abstract/RMP/v83/i1/p157_1.

Kawamura:2012:SPF

- [KHK⁺12] Hikaru Kawamura, Takahiro Hatano, Naoyuki Kato, Soumyajyoti Biswas, and Bikas K. Chakrabarti. Statistical physics of fracture, friction, and earthquakes. *Reviews of Modern Physics*, 84(2):839–884, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.839>; http://rmp.aps.org/abstract/RMP/v84/i2/p839_1.

Kirilyuk:2010:UOM

- [KKR10] Andrei Kirilyuk, Alexey V. Kimel, and Theo Rasing. Ultrafast optical manipulation of magnetic order. *Reviews of Modern Physics*, 82(3):2731–2784, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756.

URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2731>; http://rmp.aps.org/abstract/RMP/v82/i3/p2731_1. See erratum [KKR16].

Kirilyuk:2016:EUO

- [KKR16] Andrei Kirilyuk, Alexey V. Kimel, and Theo Rasing. Erratum: Ultrafast optical manipulation of magnetic order [Rev. Mod. Phys. 82, 2731 (2010)]. *Reviews of Modern Physics*, 88(3):039904–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.039904>. See [KKR10].

Koster:2012:SPP

- [KKS⁺12] Gertjan Koster, Lior Klein, Wolter Siemons, Guus Rijnders, J. Steven Dodge, Chang-Beom Eom, Dave H. A. Blank, and Malcolm R. Beasley. Structure, physical properties, and applications of SrRuO₃ thin films. *Reviews of Modern Physics*, 84(1):253–298, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.253>; http://rmp.aps.org/abstract/RMP/v84/i1/p253_1.

Kruchinin:2018:CSF

- [KKY18] Stanislav Yu. Kruchinin, Ferenc Krausz, and Vladislav S. Yakovlev. Colloquium: Strong-field phenomena in periodic systems. *Reviews of Modern Physics*, 90(2):021002–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.021002>.

Kartashov:2011:PNS

- [KMT11a] Yaroslav V. Kartashov, Boris A. Malomed, and Lluís Torner. Publisher’s note: Solitons in nonlinear lattices [rev. mod. phys. **83**, 247 (2011)]. *Reviews of Modern Physics*, 83(2):405, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.405>; http://rmp.aps.org/abstract/RMP/v83/i2/p405_1. See [KMT11b].

Kartashov:2011:SNL

- [KMT11b] Yaroslav V. Kartashov, Boris A. Malomed, and Lluís Torner. Solitons in nonlinear lattices. *Reviews of Modern Physics*, 83(1):

247–305, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.247>; http://rmp.aps.org/abstract/RMP/v83/i1/p247_1. See note [KMT11a].

Kosterlitz:2017:NLT

- [Kos17] John Michael Kosterlitz. Nobel lecture: Topological defects and phase transitions. *Reviews of Modern Physics*, 89(4):040501–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.040501>.

Klempt:2010:BS

- [KR10] Eberhard Klempt and Jean-Marc Richard. Baryon spectroscopy. *Reviews of Modern Physics*, 82(2):1095–1153, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1095>; http://rmp.aps.org/abstract/RMP/v82/i2/p1095_1.

Kostelecky:2011:DTL

- [KR11] V. Alan Kostelecký and Neil Russell. Data tables for Lorentz and CPT violation. *Reviews of Modern Physics*, 83(1):11–31, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.11>; http://rmp.aps.org/abstract/RMP/v83/i1/p11_1.

Kozlov:2018:HCI

- [KSLUS18] M. G. Kozlov, M. S. Safronova, J. R. Crespo López-Urrutia, and P. O. Schmidt. Highly charged ions: Optical clocks and applications in fundamental physics. *Reviews of Modern Physics*, 90(4):045005–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.045005>.

Kirkpatrick:2015:CRF

- [KT15] T. R. Kirkpatrick and D. Thirumalai. Colloquium: Random first order transition theory concepts in biology and physics. *Reviews of Modern Physics*, 87(1):183–??, January/

March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.183>.

Kotov:2012:EEI

- [KUP⁺12] Valeri N. Kotov, Bruno Uchoa, Vitor M. Pereira, F. Guinea, and A. H. Castro Neto. Electron-electron interactions in graphene: Current status and perspectives. *Reviews of Modern Physics*, 84(3):1067–1125, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1067>; http://rmp.aps.org/abstract/RMP/v84/i3/p1067_1.

Kosztin:2012:CMD

- [KVN^F12] Ioan Kosztin, Gordana Vunjak-Novakovic, and Gabor Forgacs. Colloquium: Modeling the dynamics of multicellular systems: Application to tissue engineering. *Reviews of Modern Physics*, 84(4):1791–1805, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1791>; http://rmp.aps.org/abstract/RMP/v84/i4/p1791_1.

Konotop:2016:NWP

- [KYZ16] Vladimir V. Konotop, Jianke Yang, and Dmitry A. Zezyulin. Nonlinear waves in \mathcal{PT} -symmetric systems. *Reviews of Modern Physics*, 88(3):035002–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035002>.

Konoplya:2011:QMB

- [KZ11] R. A. Konoplya and Alexander Zhidenko. Quasinormal modes of black holes: From astrophysics to string theory. *Reviews of Modern Physics*, 83(3):793–836, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.793>; http://rmp.aps.org/abstract/RMP/v83/i3/p793_1.

Lalli:2014:NSJ

- [Lal14] Roberto Lalli. A new scientific journal takes the scene: The birth of *Reviews of Modern Physics*. *Annalen der Physik 8 (Berlin, Germany)*, 526(9–10):A83–A87, October 2014. CODEN AN-

PYA2. ISSN 0003-3804. URL <http://onlinelibrary.wiley.com/enhanced/doi/10.1002/andp.201400810/>.

Liu:2016:CPC

- [LB16] Yang-Yu Liu and Albert-László Barabási. Control principles of complex systems. *Reviews of Modern Physics*, 88(3):035006–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035006>.

Lloyd:2017:EVB

- [LBTY17] S. M. Lloyd, M. Babiker, G. Thirunavukkarasu, and J. Yuan. Electron vortices: Beams with orbital angular momentum. *Reviews of Modern Physics*, 89(3):035004–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035004>.

Ludlow:2015:OAC

- [LBY⁺15] Andrew D. Ludlow, Martin M. Boyd, Jun Ye, E. Peik, and P. O. Schmidt. Optical atomic clocks. *Reviews of Modern Physics*, 87(2):637–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.637>.

Laird:2015:QTC

- [LKS⁺15] Edward A. Laird, Ferdinand Kuemmeth, Gary A. Steele, Kasper Grove-Rasmussen, Jesper Nygård, Karsten Flensberg, and Leo P. Kouwenhoven. Quantum transport in carbon nanotubes. *Reviews of Modern Physics*, 87(3):703–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.703>.

Lee:2018:DRC

- [LLW18] Sehwook Lee, Michele Livan, and Richard Wigmans. Dual-readout calorimetry. *Reviews of Modern Physics*, 90(2):025002–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025002>.

Lu:2013:LPN

- [LMD⁺13] Z.-T. Lu, P. Mueller, G. W. F. Drake, W. Nörtershäuser, Steven C. Pieper, and Z.-C. Yan. Colloquium: Laser probing of neutron-rich nuclei in light atoms. *Reviews of Modern Physics*, 85(4):1383–1400, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1383>; http://rmp.aps.org/abstract/RMP/v85/i4/p1383_1.

Lodahl:2015:ISP

- [LMS15] Peter Lodahl, Sahand Mahmoodian, and Søren Stobbe. Interfacing single photons and single quantum dots with photonic nanostructures. *Reviews of Modern Physics*, 87(2):347–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.347>.

Londergan:2010:CSP

- [LPT10] J. T. Londergan, J. C. Peng, and A. W. Thomas. Charge symmetry at the partonic level. *Reviews of Modern Physics*, 82(3):2009–2052, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2009>; http://rmp.aps.org/abstract/RMP/v82/i3/p2009_1.

Li:2012:CPM

- [LRW⁺12] Nianbei Li, Jie Ren, Lei Wang, Gang Zhang, Peter Hänggi, and Baowen Li. Colloquium: Phononics: Manipulating heat flow with electronic analogs and beyond. *Reviews of Modern Physics*, 84(3):1045–1066, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1045>; http://rmp.aps.org/abstract/RMP/v84/i3/p1045_1.

Lapine:2014:CNM

- [LSK14] Mikhail Lapine, Ilya V. Shadrivov, and Yuri S. Kivshar. Colloquium: Nonlinear metamaterials. *Reviews of Modern Physics*, 86(3):1093–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1093>.

Letessier-Selvon:2011:UEC

- [LSS11] Antoine Letessier-Selvon and Todor Stanev. Ultrahigh energy cosmic rays. *Reviews of Modern Physics*, 83(3):907–942, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.907>; http://rmp.aps.org/abstract/RMP/v83/i3/p907_1.

Lohse:2015:SNN

- [LZ15] Detlef Lohse and Xuehua Zhang. Surface nanobubbles and nanodroplets. *Reviews of Modern Physics*, 87(3):981–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.981>.

Modi:2012:CQB

- [MBC⁺12] Kavan Modi, Aharon Brodutch, Hugo Cable, Tomasz Paterek, and Vlatko Vedral. The classical-quantum boundary for correlations: Discord and related measures. *Reviews of Modern Physics*, 84(4):1655–1707, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1655>; http://rmp.aps.org/abstract/RMP/v84/i4/p1655_1.

Mino:2018:MCS

- [MBSR⁺18] Lorenzo Mino, Elisa Borfecchia, Jaime Segura-Ruiz, Cinzia Giannini, Gema Martinez-Criado, and Carlo Lamberti. Materials characterization by synchrotron X-ray microprobes and nanoprobes. *Reviews of Modern Physics*, 90(2):025007–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025007>.

McDonald:2016:NLS

- [McD16] Arthur B. McDonald. Nobel Lecture: The Sudbury Neutrino Observatory: Observation of flavor change for solar neutrinos. *Reviews of Modern Physics*, 88(3):030502–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.030502>.

Mao:2018:SLG

- [MCD⁺18] Ho-Kwang Mao, Xiao-Jia Chen, Yang Ding, Bing Li, and Lin Wang. Solids, liquids, and gases under high pressure. *Reviews of Modern Physics*, 90(1):015007–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015007>.

Maciolek:2018:CBC

- [MD18] Anna Maciolek and Siegfried Dietrich. Collective behavior of colloids due to critical Casimir interactions. *Reviews of Modern Physics*, 90(4):045001–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.045001>.

Mermin:1993:HVT

- [Mer93] N. David Mermin. Hidden variables and the two theorems of John Bell. *Reviews of Modern Physics*, 65(3):803–815, July 1993. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.65.803>; http://rmp.aps.org/abstract/RMP/v65/i3/p803_1. See errata [Mer16, Mer17].

Mermin:2016:EHV

- [Mer16] N. David Mermin. Erratum: Hidden variables and the two theorems of John Bell [Rev. Mod. Phys. 65, 803 (1993)]. *Reviews of Modern Physics*, 88(3):039902–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.039902>. See [Mer93].

Mermin:2017:EHV

- [Mer17] N. David Mermin. Erratum: Hidden variables and the two theorems of John Bell [Rev. Mod. Phys. 65, 803 (1993)]. *Reviews of Modern Physics*, 89(4):049901–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.049901>. See [Mer93].

Metcalf:2017:CSO

- [Met17] Harold Metcalf. Colloquium: Strong optical forces on atoms in multifrequency light. *Reviews of Modern Physics*, 89(4):041001–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.041001>.

Meystre:2017:EAE

- [Mey17] Pierre Meystre. Editorial: From the APS Editor in Chief. *Reviews of Modern Physics*, 89(1):010001–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.010001>.

Miroshnichenko:2010:FRN

- [MFK10] Andrey E. Miroshnichenko, Sergej Flach, and Yuri S. Kivshar. Fano resonances in nanoscale structures. *Reviews of Modern Physics*, 82(3):2257–2298, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2257>; http://rmp.aps.org/abstract/RMP/v82/i3/p2257_1.

Marchetti:2013:HSA

- [MJR⁺13] M. C. Marchetti, J. F. Joanny, S. Ramaswamy, T. B. Liverpool, J. Prost, Madan Rao, and R. Aditi Simha. Hydrodynamics of soft active matter. *Reviews of Modern Physics*, 85(3):1143–1189, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1143>; http://rmp.aps.org/abstract/RMP/v85/i3/p1143_1.

Maher:2015:CYM

- [MJT15] Simon Maher, Fred P. M. Jjunju, and Stephen Taylor. Colloquium: 100 years of mass spectrometry: Perspectives and future trends. *Reviews of Modern Physics*, 87(1):113–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.113>.

Maeder:2012:RMS

- [MM12] André Maeder and Georges Meynet. Rotating massive stars: From first stars to gamma ray bursts. *Reviews of Modern Physics*, 84(1):25–63, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.25>; http://rmp.aps.org/abstract/RMP/v84/i1/p25_1.

McMahon:2012:PHH

- [MMPC12] Jeffrey M. McMahon, Miguel A. Morales, Carlo Pierleoni, and David M. Ceperley. The properties of hydrogen and helium under extreme conditions. *Reviews of Modern Physics*, 84(4):1607–1653, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1607>; http://rmp.aps.org/abstract/RMP/v84/i4/p1607_1.

Marzari:2012:MLW

- [MMY⁺12] Nicola Marzari, Arash A. Mostofi, Jonathan R. Yates, Ivo Souza, and David Vanderbilt. Maximally localized Wannier functions: Theory and applications. *Reviews of Modern Physics*, 84(4):1419–1475, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1419>; http://rmp.aps.org/abstract/RMP/v84/i4/p1419_1.

Mydosh:2011:CHO

- [MO11] J. A. Mydosh and P. M. Oppeneer. Colloquium: Hidden order, superconductivity, and magnetism: The unsolved case of URu₂Si₂. *Reviews of Modern Physics*, 83(4):1301–1322, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1301>; http://rmp.aps.org/abstract/RMP/v83/i4/p1301_1.

Moerner:2015:NLS

- [Moe15] W. E. (William E.) Moerner. Nobel lecture: Single-molecule spectroscopy, imaging, and photocontrol: Foundations for super-resolution microscopy. *Reviews of Modern Physics*, 87(4):1183–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic),

1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1183>.

Marconnet:2013:TCP

- [MPG13] Amy M. Marconnet, Matthew A. Panzer, and Kenneth E. Goodson. Thermal conduction phenomena in carbon nanotubes and related nanostructured materials. *Reviews of Modern Physics*, 85(3):1295–1326, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1295>; http://rmp.aps.org/abstract/RMP/v85/i3/p1295_1.

Misbah:2010:CSE

- [MPLS10] Chaouqi Misbah, Olivier Pierre-Louis, and Yukio Saito. Crystal surfaces in and out of equilibrium: a modern view. *Reviews of Modern Physics*, 82(1):981–1040, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.981>; http://rmp.aps.org/abstract/RMP/v82/i1/p981_1.

Mitchell:2010:RMC

- [MRW10] G. E. Mitchell, A. Richter, and H. A. Weidenmüller. Random matrices and chaos in nuclear physics: Nuclear reactions. *Reviews of Modern Physics*, 82(4):2845–2901, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2845>; http://rmp.aps.org/abstract/RMP/v82/i4/p2845_1.

Matagne:2015:BRL

- [MS15] N. Matagne and Fl. Stancu. Baryon resonances in large N_c QCD. *Reviews of Modern Physics*, 87(1):211–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.211>.

Meunier:2016:PPL

- [MSBD16] V. Meunier, A. G. Souza Filho, E. B. Barros, and M. S. Dresselhaus. Physical properties of low-dimensional sp^2 -based carbon nanostructures. *Reviews of Modern Physics*, 88(2):025005–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print),

1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Metzner:2012:FRG

- [MSH⁺12] Walter Metzner, Manfred Salmhofer, Carsten Honerkamp, Volker Meden, and Kurt Schönhammer. Functional renormalization group approach to correlated fermion systems. *Reviews of Modern Physics*, 84(1):299–352, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.299>; http://rmp.aps.org/abstract/RMP/v84/i1/p299_1.

Markos:2017:HPC

- [MTA⁺17] Christos Markos, John C. Travers, Amir Abdolvand, Benjamin J. Eggleton, and Ole Bang. Hybrid photonic-crystal fiber. *Reviews of Modern Physics*, 89(4):045003–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.045003>.

Mohr:2012:CRV

- [MTN12] Peter J. Mohr, Barry N. Taylor, and David B. Newell. CODATA recommended values of the fundamental physical constants: 2010. *Reviews of Modern Physics*, 84(4):1527–1605, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1527>; http://rmp.aps.org/abstract/RMP/v84/i4/p1527_1.

Munoz:2018:CCD

- [Muñ18] Miguel A. Muñoz. Colloquium: Criticality and dynamical scaling in living systems. *Reviews of Modern Physics*, 90(3):031001–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.031001>.

Nagel:2017:ESM

- [Nag17] Sidney R. Nagel. Experimental soft-matter science. *Reviews of Modern Physics*, 89(2):025002–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025002>.

Nakamura:2015:NLB

- [Nak15] Shuji Nakamura. Nobel lecture: Background story of the invention of efficient blue InGaN light emitting diodes. *Reviews of Modern Physics*, 87(4):1139–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1139>.

Nambu:2009:NLS

- [Nam09] Yoichiro Nambu. Nobel Lecture: Spontaneous symmetry breaking in particle physics: a case of cross fertilization. *Reviews of Modern Physics*, 81(3):1015–1018, July 2009. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.81.1015>; http://rmp.aps.org/abstract/RMP/v81/i3/p1015_1. See note [Nam10].

Nambu:2010:PNN

- [Nam10] Yoichiro Nambu. Publisher’s note: Nobel Lecture: Spontaneous symmetry breaking in particle physics: a case of cross fertilization [Rev. Mod. Phys. **81**, 1015 (2009)]. *Reviews of Modern Physics*, 82(4):3199, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.3199>; http://rmp.aps.org/abstract/RMP/v82/i4/p3199_1. See [Nam09].

Nicolas:2018:DFA

- [NFMB18] Alexandre Nicolas, Ezequiel E. Ferrero, Kirsten Martens, and Jean-Louis Barrat. Deformation and flow of amorphous solids: Insights from elastoplastic models. *Reviews of Modern Physics*, 90(4):045006–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.045006>.

Nishioka:2018:EEH

- [Nis18] Tatsuma Nishioka. Entanglement entropy: Holography and renormalization group. *Reviews of Modern Physics*, 90(3):035007–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035007>.

Nation:2012:CSU

- [NJBN12] P. D. Nation, J. R. Johansson, M. P. Blencowe, and Franco Nori. Colloquium: Stimulating uncertainty: Amplifying the quantum vacuum with superconducting circuits. *Reviews of Modern Physics*, 84(1):1–24, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1>; http://rmp.aps.org/abstract/RMP/v84/i1/p1_1.

Narozhny:2016:CD

- [NL16] B. N. Narozhny and A. Levchenko. Coulomb drag. *Reviews of Modern Physics*, 88(2):025003–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.025003>.

Nisoli:2013:ASI

- [NMS13] Cristiano Nisoli, Roderich Moessner, and Peter Schiffer. Colloquium: Artificial spin ice: Designing and imaging magnetic frustration. *Reviews of Modern Physics*, 85(4):1473–1490, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1473>; http://rmp.aps.org/abstract/RMP/v85/i4/p1473_1.

Novoselov:2011:NLG

- [Nov11] K. S. Novoselov. Nobel Lecture: Graphene: Materials in the Flatland. *Reviews of Modern Physics*, 83(3):837–849, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.837>; http://rmp.aps.org/abstract/RMP/v83/i3/p837_1.

Neher:2011:SGE

- [NS11] Richard A. Neher and Boris I. Shraiman. Statistical genetics and evolution of quantitative traits. *Reviews of Modern Physics*, 83(4):1283–1300, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1283>; http://rmp.aps.org/abstract/RMP/v83/i4/p1283_1.

Nagaosa:2010:AHE

- [NSO⁺10] Naoto Nagaosa, Jairo Sinova, Shigeki Onoda, A. H. MacDonald, and N. P. Ong. Anomalous Hall effect. *Reviews of Modern Physics*, 82(2):1539–1592, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1539>; http://rmp.aps.org/abstract/RMP/v82/i2/p1539_1.

Nussinov:2015:CMT

- [NvdB15] Zohar Nussinov and Jeroen van den Brink. Compass models: Theory and physical motivations. *Reviews of Modern Physics*, 87(1):1–??, January/March 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1>.

Newman:2014:HFS

- [NW14] Paul R. Newman and Matthew Wing. The hadronic final state at HERA. *Reviews of Modern Physics*, 86(3):1037–??, July/September 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1037>.

Oka:2014:SPQ

- [OBC⁺14] Hirofumi Oka, Oleg O. Brovko, Marco Corbetta, Valeri S. Stepanyuk, Dirk Sander, and Jürgen Kirschner. Spin-polarized quantum confinement in nanostructures: Scanning tunneling microscopy. *Reviews of Modern Physics*, 86(4):1127–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1127>.

Ostrikov:2016:CNG

- [OBN16] Kostya (Ken) Ostrikov, Farhat Beg, and Andrew Ng. Colloquium: Nanoplasmas generated by intense radiation. *Reviews of Modern Physics*, 88(1):011001–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.011001>.

Olsen:2018:NHM

- [OSZ18] Stephen Lars Olsen, Tomasz Skwarnicki, and Daria Zieminska. Nonstandard heavy mesons and baryons: Experimental evidence. *Reviews of Modern Physics*, 90(1):015003–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015003>.

Prantzos:2011:KEP

- [PBB⁺11] N. Prantzos, C. Boehm, A. M. Bykov, R. Diehl, K. Ferrière, N. Guessoum, P. Jean, J. Knoedlseder, A. Marcowith, I. V. Moskalenko, A. Strong, and G. Weidenspointner. The 511 keV emission from positron annihilation in the Galaxy. *Reviews of Modern Physics*, 83(3):1001–1056, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1001>; http://rmp.aps.org/abstract/RMP/v83/i3/p1001_1.

Pan:2012:MEI

- [PCL⁺12] Jian-Wei Pan, Zeng-Bing Chen, Chao-Yang Lu, Harald Weinfurter, Anton Zeilinger, and Marek Zukowski. Multiphoton entanglement and interferometry. *Reviews of Modern Physics*, 84(2):777–838, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.777>; http://rmp.aps.org/abstract/RMP/v84/i2/p777_1.

Peres:2010:CTP

- [Per10] N. M. R. Peres. Colloquium: The transport properties of graphene: An introduction. *Reviews of Modern Physics*, 82(3):2673–2700, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2673>; http://rmp.aps.org/abstract/RMP/v82/i3/p2673_1.

Perlmutter:2012:NLM

- [Per12] Saul Perlmutter. Nobel Lecture: Measuring the acceleration of the cosmic expansion using supernovae. *Reviews of Modern Physics*, 84(3):1127–1149, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84>.

1127; http://rmp.aps.org/abstract/RMP/v84/i3/p1127_1; http://www.nobelprize.org/nobel_prizes/physics/laureates/2011/.

Paladino:2014:NIS

- [PGFA14] E. Paladino, Y. M. Galperin, G. Falci, and B. L. Altshuler. $1/f$ noise: Implications for solid-state quantum information. *Reviews of Modern Physics*, 86(2):361–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.361>.

Presse:2013:PME

- [PGLD13] Steve Pressé, Kingshuk Ghosh, Julian Lee, and Ken A. Dill. Principles of maximum entropy and maximum caliber in statistical physics. *Reviews of Modern Physics*, 85(3):1115–1141, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1115>; http://rmp.aps.org/abstract/RMP/v85/i3/p1115_1.

Pradhan:2010:FPE

- [PHC10] Srutarshi Pradhan, Alex Hansen, and Bikas K. Chakrabarti. Failure processes in elastic fiber bundles. *Reviews of Modern Physics*, 82(1):499–555, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.499>; http://rmp.aps.org/abstract/RMP/v82/i1/p499_1.

Phillips:2010:CIP

- [Phi10] Philip Phillips. Colloquium: Identifying the propagating charge modes in doped Mott insulators. *Reviews of Modern Physics*, 82(2):1719–1742, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1719>; http://rmp.aps.org/abstract/RMP/v82/i2/p1719_1.

Pfutzner:2012:RDL

- [PKGR12] M. Pfützner, M. Karny, L. V. Grigorenko, and K. Riisager. Radioactive decays at limits of nuclear stability. *Reviews of Modern Physics*, 84(2):567–619, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL

<http://link.aps.org/doi/10.1103/RevModPhys.84.567>;
http://rmp.aps.org/abstract/RMP/v84/i2/p567_1.

Pellegrini:2016:PXR

- [PMR16] C. Pellegrini, A. Marinelli, and S. Reiche. The physics of X-ray free-electron lasers. *Reviews of Modern Physics*, 88(1):015006–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015006>.

Pazourek:2015:ACP

- [PNB15] Renate Pazourek, Stefan Nagele, and Joachim Burgdörfer. Attosecond chronoscopy of photoemission. *Reviews of Modern Physics*, 87(3):765–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.765>.

Powers:2010:DFM

- [Pow10a] Thomas R. Powers. Dynamics of filaments and membranes in a viscous fluid. *Reviews of Modern Physics*, 82(2):1607–1631, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1607>; http://rmp.aps.org/abstract/RMP/v82/i2/p1607_1. See note [Pow10b].

Powers:2010:PND

- [Pow10b] Thomas R. Powers. Publisher’s note: Dynamics of filaments and membranes in a viscous fluid [Rev. Mod. Phys. **82**, 1607 (2010)]. *Reviews of Modern Physics*, 82(2):1945, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1945>; http://rmp.aps.org/abstract/RMP/v82/i2/p1945_1. See [Pow10a].

Pastor-Satorras:2015:EPC

- [PSCVV15] Romualdo Pastor-Satorras, Claudio Castellano, Piet Van Mieghem, and Alessandro Vespignani. Epidemic processes in complex networks. *Reviews of Modern Physics*, 87(3):925–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://>

journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.925.

Pekola:2013:SEC

- [PSM⁺13] Jukka P. Pekola, Olli-Pentti Saira, Ville F. Maisi, Antti Kempainen, Mikko Möttönen, Yuri A. Pashkin, and Dmitri V. Averin. Single-electron current sources: Toward a refined definition of the ampere. *Reviews of Modern Physics*, 85(4):1421–1472, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1421>; http://rmp.aps.org/abstract/RMP/v85/i4/p1421_1.

Pezze:2018:QMN

- [PSO⁺18] Luca Pezzè, Augusto Smerzi, Markus K. Oberthaler, Roman Schmied, and Philipp Treutlein. Quantum metrology with nonclassical states of atomic ensembles. *Reviews of Modern Physics*, 90(3):035005–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.035005>.

Polkovnikov:2011:CND

- [PSSV11] Anatoli Polkovnikov, Krishnendu Sengupta, Alessandro Silva, and Mukund Vengalattore. Colloquium: Nonequilibrium dynamics of closed interacting quantum systems. *Reviews of Modern Physics*, 83(3):863–883, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.863>; http://rmp.aps.org/abstract/RMP/v83/i3/p863_1.

Parisi:2010:MFT

- [PZ10] Giorgio Parisi and Francesco Zamponi. Mean-field theory of hard sphere glasses and jamming. *Reviews of Modern Physics*, 82(1):789–845, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.789>; http://rmp.aps.org/abstract/RMP/v82/i1/p789_1.

Qi:2011:TIS

- [QZ11] Xiao-Liang Qi and Shou-Cheng Zhang. Topological insulators and superconductors. *Reviews of Modern Physics*, 83(4):

1057–1110, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1057>; http://rmp.aps.org/abstract/RMP/v83/i4/p1057_1.

Rowe:2012:DPS

- [RCR12] D. J. Rowe, M. J. Carvalho, and J. Repka. Dual pairing of symmetry and dynamical groups in physics. *Reviews of Modern Physics*, 84(2):711–757, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.711>; http://rmp.aps.org/abstract/RMP/v84/i2/p711_1.

Ritsch:2013:CAC

- [RDBE13] Helmut Ritsch, Peter Domokos, Ferdinand Brennecke, and Tilman Esslinger. Cold atoms in cavity-generated dynamical optical potentials. *Reviews of Modern Physics*, 85(2):553–601, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.553>; http://rmp.aps.org/abstract/RMP/v85/i2/p553_1.

Rotter:2017:LFC

- [RG17] Stefan Rotter and Sylvain Gigan. Light fields in complex media: Mesoscopic scattering meets wave control. *Reviews of Modern Physics*, 89(1):015005–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.015005>.

Rohringer:2018:DRN

- [RHT⁺18] G. Rohringer, H. Hafermann, A. Toschi, A. A. Katanin, A. E. Antipov, M. I. Katsnelson, A. I. Lichtenstein, A. N. Rubtsov, and K. Held. Diagrammatic routes to nonlocal correlations beyond dynamical mean field theory. *Reviews of Modern Physics*, 90(2):025003–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025003>.

Riess:2012:NLM

- [Rie12] Adam G. Riess. Nobel Lecture: My path to the accelerating Universe. *Reviews of Modern Physics*, 84(3):1165–

1175, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1165>; http://rmp.aps.org/abstract/RMP/v84/i3/p1165_1; http://www.nobelprize.org/nobel_prizes/physics/laureates/2011/

Rosenstein:2010:GLT

- [RL10] Baruch Rosenstein and Dingping Li. Ginzburg–Landau theory of type II superconductors in magnetic field. *Reviews of Modern Physics*, 82(1):109–168, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.109>; http://rmp.aps.org/abstract/RMP/v82/i1/p109_1.

Ryd:2012:HDD

- [RP12] Anders Ryd and Alexey A. Petrov. Hadronic D and D_s meson decays. *Reviews of Modern Physics*, 84(1):65–117, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.65>; http://rmp.aps.org/abstract/RMP/v84/i1/p65_1.

Reiserer:2015:CBQ

- [RR15] Andreas Reiserer and Gerhard Rempe. Cavity-based quantum networks with single atoms and optical photons. *Reviews of Modern Physics*, 87(4):1379–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1379>.

Rueff:2010:IXR

- [RS10] Jean-Pascal Rueff and Abhay Shukla. Inelastic X-ray scattering by electronic excitations under high pressure. *Reviews of Modern Physics*, 82(1):847–896, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.847>; http://rmp.aps.org/abstract/RMP/v82/i1/p847_1.

Reineke:2013:WOL

- [RTLL13] Sebastian Reineke, Michael Thomschke, Björn Lüssem, and Karl Leo. White organic light-emitting diodes: Status

and perspective. *Reviews of Modern Physics*, 85(3):1245–1293, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1245>; http://rmp.aps.org/abstract/RMP/v85/i3/p1245_1.

Rurali:2010:CSE

[Rur10] Riccardo Rurali. Colloquium: Structural, electronic, and transport properties of silicon nanowires. *Reviews of Modern Physics*, 82(1):427–449, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.427>; http://rmp.aps.org/abstract/RMP/v82/i1/p427_1.

Roy:2017:CSI

[RWF17] Dibyendu Roy, C. M. Wilson, and Ofer Firstenberg. Colloquium: Strongly interacting photons in one-dimensional continuum. *Reviews of Modern Physics*, 89(2):021001–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.021001>.

Suter:2016:CPQ

[SÁ16] Dieter Suter and Gonzalo A. Álvarez. Colloquium: Protecting quantum information against environmental noise. *Reviews of Modern Physics*, 88(4):041001–??, October/December 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.041001>.

Sagis:2011:DPI

[Sag11] Leonard M. C. Sagis. Dynamic properties of interfaces in soft matter: Experiments and theory. *Reviews of Modern Physics*, 83(4):1367–1403, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1367>; http://rmp.aps.org/abstract/RMP/v83/i4/p1367_1.

Sarma:2011:ETT

[SAHR11] S. Das Sarma, Shaffique Adam, E. H. Hwang, and Enrico Rossi. Electronic transport in two-dimensional graphene. *Reviews of Modern Physics*, 83(2):407–470, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL

<http://link.aps.org/doi/10.1103/RevModPhys.83.407>;
http://rmp.aps.org/abstract/RMP/v83/i2/p407_1.

Streltsov:2017:CQC

- [SAP17] Alexander Streltsov, Gerardo Adesso, and Martin B. Plenio. Colloquium: Quantum coherence as a resource. *Reviews of Modern Physics*, 89(4):041003–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.041003>.

Safronova:2018:SNP

- [SBD⁺18] M. S. Safronova, D. Budker, D. DeMille, Derek F. Jackson Kimball, A. Derevianko, and Charles W. Clark. Search for new physics with atoms and molecules. *Reviews of Modern Physics*, 90(2):025008–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.025008>.

Sato:2010:FPT

- [SBK⁺10] K. Sato, L. Bergqvist, J. Kudrnovský, P. H. Dederichs, O. Eriksson, I. Turek, B. Sanyal, G. Bouzerar, H. Katayama-Yoshida, V. A. Dinh, T. Fukushima, H. Kizaki, and R. Zeller. First-principles theory of dilute magnetic semiconductors. *Reviews of Modern Physics*, 82(2):1633–1690, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1633>; http://rmp.aps.org/abstract/RMP/v82/i2/p1633_1.

Scalapino:2012:CTP

- [Sca12] D. J. Scalapino. A common thread: The pairing interaction for unconventional superconductors. *Reviews of Modern Physics*, 84(4):1383–1417, October 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1383>; http://rmp.aps.org/abstract/RMP/v84/i4/p1383_1.

Schmidt:2012:NLA

- [Sch12] Brian P. Schmidt. Nobel Lecture: Accelerating expansion of the universe through observations of distant supernovae. *Reviews*

of Modern Physics, 84(3):1151–1163, July 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.1151>; http://rmp.aps.org/abstract/RMP/v84/i3/p1151_1; http://www.nobelprize.org/nobel_prizes/physics/laureates/2011/.

Schellekens:2013:LIP

- [Sch13] A. N. Schellekens. Life at the interface of particle physics and string theory. *Reviews of Modern Physics*, 85(4):1491–1540, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1491>; http://rmp.aps.org/abstract/RMP/v85/i4/p1491_1.

Schliemann:2017:CPS

- [Sch17] John Schliemann. Colloquium: Persistent spin textures in semiconductor nanostructures. *Reviews of Modern Physics*, 89(1):011001–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.011001>.

Shukla:2011:CNC

- [SE11] P. K. Shukla and B. Eliasson. Colloquium: Nonlinear collective interactions in quantum plasmas with degenerate electron fluids. *Reviews of Modern Physics*, 83(3):885–906, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.885>; http://rmp.aps.org/abstract/RMP/v83/i3/p885_1.

Sellwood:2014:SED

- [Sel14] J. A. Sellwood. Secular evolution in disk galaxies. *Reviews of Modern Physics*, 86(1):1–??, January/March 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1>.

Schardt:2010:HIT

- [SESE10] Dieter Schardt, Thilo Elsässer, and Daniela Schulz-Ertner. Heavy-ion tumor therapy: Physical and radiobiological benefits. *Reviews of Modern Physics*, 82(1):383–425, January

2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.383>; http://rmp.aps.org/abstract/RMP/v82/i1/p383_1.

Sotiriou:2010:TG

- [SF10a] Thomas P. Sotiriou and Valerio Faraoni. $f(R)$ theories of gravity. *Reviews of Modern Physics*, 82(1):451–497, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.451>; http://rmp.aps.org/abstract/RMP/v82/i1/p451_1.

Strandlie:2010:TVR

- [SF10b] Are Strandlie and Rudolf Frühwirth. Track and vertex reconstruction: From classical to adaptive methods. *Reviews of Modern Physics*, 82(2):1419–1458, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1419>; http://rmp.aps.org/abstract/RMP/v82/i2/p1419_1.

Sirlin:2013:RCP

- [SF13] Alberto Sirlin and Andrea Ferroglia. Radiative corrections in precision electroweak physics: a historical perspective. *Reviews of Modern Physics*, 85(1):263–297, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.263>; http://rmp.aps.org/abstract/RMP/v85/i1/p263_1.

Skryabin:2010:CLS

- [SG10] Dmitry V. Skryabin and Andrey V. Gorbach. Colloquium: Looking at a soliton through the prism of optical supercontinuum. *Reviews of Modern Physics*, 82(2):1287–1299, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1287>; http://rmp.aps.org/abstract/RMP/v82/i2/p1287_1.

Soriano:2013:CPD

- [SGOMF13] Miguel C. Soriano, Jordi García-Ojalvo, Claudio R. Mirasso, and Ingo Fischer. Complex photonics: Dynamics and applica-

tions of delay-coupled semiconductor lasers. *Reviews of Modern Physics*, 85(1):421–470, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.421>; http://rmp.aps.org/abstract/RMP/v85/i1/p421_1.

Schumayer:2011:CPR

- [SH11a] Dániel Schumayer and David A. W. Hutchinson. Colloquium: Physics of the Riemann hypothesis. *Reviews of Modern Physics*, 83(2):307–330, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.307>; http://rmp.aps.org/abstract/RMP/v83/i2/p307_1. See note [SH11b].

Schumayer:2011:PNC

- [SH11b] Dániel Schumayer and David A. W. Hutchinson. Publisher’s note: Colloquium: Physics of the Riemann hypothesis [Rev. Mod. Phys. **83**, 307 (2011)]. *Reviews of Modern Physics*, 83(2):769, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.769>; http://rmp.aps.org/abstract/RMP/v83/i2/p769_1. See [SH11a].

Saito:2013:CHS

- [SH13] Yukio Saito and Hiroyuki Hyuga. Colloquium: Homochirality: Symmetry breaking in systems driven far from equilibrium. *Reviews of Modern Physics*, 85(2):603–621, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.603>; http://rmp.aps.org/abstract/RMP/v85/i2/p603_1.

Shuryak:2017:SCQ

- [Shu17] Edward Shuryak. Strongly coupled quark-gluon plasma in heavy ion collisions. *Reviews of Modern Physics*, 89(3):035001–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.035001>.

Spivak:2010:CTS

- [SKKG10] B. Spivak, S. V. Kravchenko, S. A. Kivelson, and X. P. A. Gao. Colloquium: Transport in strongly correlated two dimensional electron fluids. *Reviews of Modern Physics*, 82

(2):1743–1766, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1743>; http://rmp.aps.org/abstract/RMP/v82/i2/p1743_1.

Stamper-Kurn:2013:SBG

- [SKU13] Dan M. Stamper-Kurn and Masahito Ueda. Spinor Bose gases: Symmetries, magnetism, and quantum dynamics. *Reviews of Modern Physics*, 85(3):1191–1244, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1191>; http://rmp.aps.org/abstract/RMP/v85/i3/p1191_1.

Smith:2010:NLI

- [Smi10] George E. Smith. Nobel Lecture: The invention and early history of the CCD. *Reviews of Modern Physics*, 82(3):2307–2312, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2307>; http://rmp.aps.org/abstract/RMP/v82/i3/p2307_1.

Ma:2016:DCG

- [sMKZ16] Xiao song Ma, Johannes Kofler, and Anton Zeilinger. Delayed-choice gedanken experiments and their realizations. *Reviews of Modern Physics*, 88(1):015005–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015005>.

Singer:2010:CTI

- [SPM⁺10] Kilian Singer, Ulrich Poschinger, Michael Murphy, Peter Ivanov, Frank Ziesel, Tommaso Calarco, and Ferdinand Schmidt-Kaler. Colloquium: Trapped ions as quantum bits: Essential numerical tools. *Reviews of Modern Physics*, 82(3):2609–2632, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2609>; http://rmp.aps.org/abstract/RMP/v82/i3/p2609_1.

Stankovski:2017:CFU

- [SPMS17] Tomislav Stankovski, Tiago Pereira, Peter V. E. McClintock, and Aneta Stefanovska. Coupling functions: Universal insights

into dynamical interaction mechanisms. *Reviews of Modern Physics*, 89(4):045001–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.045001>.

Sprouse:2014:EPT

[Spr14] Gene D. Sprouse. Editorial: PRX takes on a new role. *Reviews of Modern Physics*, 86(4):1187–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1187>.

Saarikoski:2010:VQD

[SRHM10] H. Saarikoski, S. M. Reimann, A. Harju, and M. Manninen. Vortices in quantum droplets: Analogies between boson and fermion systems. *Reviews of Modern Physics*, 82(3):2785–2834, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2785>; http://rmp.aps.org/abstract/RMP/v82/i3/p2785_1.

Schwarz:2013:PAC

[SS13] Ulrich S. Schwarz and Samuel A. Safran. Physics of adherent cells. *Reviews of Modern Physics*, 85(3):1327–1381, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1327>; http://rmp.aps.org/abstract/RMP/v85/i3/p1327_1.

Sangouard:2011:QRB

[SSdRG11] Nicolas Sangouard, Christoph Simon, Hugues de Riedmatten, and Nicolas Gisin. Quantum repeaters based on atomic ensembles and linear optics. *Reviews of Modern Physics*, 83(1):33–80, January 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.33>; http://rmp.aps.org/abstract/RMP/v83/i1/p33_1.

Seiden:2011:CSP

[ST11] G. Seiden and P. J. Thomas. Complexity, segregation, and pattern formation in rotating-drum flows. *Reviews of Modern Physics*, 83(4):1323–1365, October 2011. CODEN RMPHAT.

ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756.
URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1323>; http://rmp.aps.org/abstract/RMP/v83/i4/p1323_1.

Salter:2018:ETT

- [ST18] Matthew Salter and Michael Thoennessen. Editorial: A tale of two anniversaries: 125 years of the Physical Review and 25 years of Physical Review E. *Reviews of Modern Physics*, 90(1):010001–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.010001>.

Stewart:2011:SIC

- [Ste11] G. R. Stewart. Superconductivity in iron compounds. *Reviews of Modern Physics*, 83(4):1589–1652, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1589>; http://rmp.aps.org/abstract/RMP/v83/i4/p1589_1.

Sun:2014:IFD

- [Sun14] Mao Sun. Insect flight dynamics: Stability and control. *Reviews of Modern Physics*, 86(2):615–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.615>.

Sinova:2015:SHE

- [SVW⁺15] Jairo Sinova, Sergio O. Valenzuela, J. Wunderlich, C. H. Back, and T. Jungwirth. Spin Hall effects. *Reviews of Modern Physics*, 87(4):1213–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1213>.

Snijders:2010:CEI

- [SW10] Paul C. Snijders and Hanno H. Weitering. Colloquium: Electronic instabilities in self-assembled atom wires. *Reviews of Modern Physics*, 82(1):307–329, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.010001>.

82.307; http://rmp.aps.org/abstract/RMP/v82/i1/p307_1.

Sefkow:2016:ETP

- [SWK⁺16] Felix Sefkow, Andy White, Kiyotomo Kawagoe, Roman Pöschl, and José Repond. Experimental tests of particle flow calorimetry. *Reviews of Modern Physics*, 88(1):015003–??, January 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.015003>.

Saffman:2010:QIR

- [SWM10] M. Saffman, T. G. Walker, and K. Mølmer. Quantum information with Rydberg atoms. *Reviews of Modern Physics*, 82(3):2313–2363, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2313>; http://rmp.aps.org/abstract/RMP/v82/i3/p2313_1.

Tang:2018:CCD

- [TB18] Evelyn Tang and Danielle S. Bassett. Colloquium: Control of dynamics in brain networks. *Reviews of Modern Physics*, 90(3):031003–??, March 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.031003>.

Tanaka:2016:SPW

- [TBC⁺16] H. Tanaka, M. J. Brunger, L. Campbell, H. Kato, M. Hoshino, and A. R. P. Rau. Scaled plane-wave Born cross sections for atoms and molecules. *Reviews of Modern Physics*, 88(2):025004–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.025004>.

Terhal:2015:QEC

- [Ter15] Barbara M. Terhal. Quantum error correction for quantum memories. *Reviews of Modern Physics*, 87(2):307–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.307>.

Takezoe:2010:ALC

- [TGC10] Hideo Takezoe, Ewa Gorecka, and Mojca Cepic. Antiferroelectric liquid crystals: Interplay of simplicity and complexity. *Reviews of Modern Physics*, 82(1):897–937, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.897>; http://rmp.aps.org/abstract/RMP/v82/i1/p897_1.

Thorne:2018:NLL

- [Tho18] Kip S. Thorne. Nobel lecture: LIGO and gravitational waves III. *Reviews of Modern Physics*, 90(4):040503–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <https://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.040503>.

Tohsaki:2017:CSP

- [THSR17] Akihiro Tohsaki, Hisashi Horiuchi, Peter Schuck, and Gerd Röpke. Colloquium: Status of α -particle condensate structure of the Hoyle state. *Reviews of Modern Physics*, 89(1):011002–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Tielens:2013:MU

- [Tie13] A. G. G. M. Tielens. The molecular universe. *Reviews of Modern Physics*, 85(3):1021–1081, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1021>; http://rmp.aps.org/abstract/RMP/v85/i3/p1021_1.

Tuomisto:2013:DIS

- [TM13] Filip Tuomisto and Ilja Makkonen. Defect identification in semiconductors with positron annihilation: Experiment and theory. *Reviews of Modern Physics*, 85(4):1583–1631, October 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1583>; http://rmp.aps.org/abstract/RMP/v85/i4/p1583_1.

Torquato:2010:JHP

- [TS10a] S. Torquato and F. H. Stillinger. Jammed hard-particle packings: From Kepler to Bernal and beyond. *Reviews of Modern Physics*, 82(3):2633–2672, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.2633>; http://rmp.aps.org/abstract/RMP/v82/i3/p2633_1. See note [TS10b].

Torquato:2010:PNJ

- [TS10b] S. Torquato and F. H. Stillinger. Publisher’s note: Jammed hard-particle packings: From Kepler to Bernal and beyond [Rev. Mod. Phys. **82**, 2633 (2010)]. *Reviews of Modern Physics*, 82(4):3197, October 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.3197>; http://rmp.aps.org/abstract/RMP/v82/i4/p3197_1. See [TS10a].

Takabatake:2014:PGE

- [TSNK14a] Toshiro Takabatake, Koichiro Suekuni, Tsuneyoshi Nakayama, and Eiji Kaneshita. Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory. *Reviews of Modern Physics*, 86(2):669–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.669>. See note [TSNK14b].

Takabatake:2014:PNP

- [TSNK14b] Toshiro Takabatake, Koichiro Suekuni, Tsuneyoshi Nakayama, and Eiji Kaneshita. Publisher’s note: Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory [Rev. Mod. Phys. **86**, 669 (2014)]. *Reviews of Modern Physics*, 86(2):841–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.841>. See [TSNK14a].

Turner:2010:VCS

- [TVN10] Ari M. Turner, Vincenzo Vitelli, and David R. Nelson. Vortices on curved surfaces. *Reviews of Modern Physics*, 82(2):1301–1348, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://>

link.aps.org/doi/10.1103/RevModPhys.82.1301; http://rmp.aps.org/abstract/RMP/v82/i2/p1301_1.

Ubachs:2016:CSD

- [UBS⁺16] W. Ubachs, J. Bagdonaitė, E. J. Salumbides, M. T. Murphy, and L. Kaper. Colloquium: Search for a drifting proton–electron mass ratio from H₂. *Reviews of Modern Physics*, 88(2):021003–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://www.w3.org/1998/Math/MathML>.

Ulbricht:2011:CDS

- [UHS⁺11] Ronald Ulbricht, Euan Hendry, Jie Shan, Tony F. Heinz, and Mischa Bonn. Carrier dynamics in semiconductors studied with time-resolved terahertz spectroscopy. *Reviews of Modern Physics*, 83(2):543–586, April 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.543>; http://rmp.aps.org/abstract/RMP/v83/i2/p543_1. See erratum [UHS⁺17].

Ulbricht:2017:ECD

- [UHS⁺17] Ronald Ulbricht, Euan Hendry, Jie Shan, Tony F. Heinz, and Mischa Bonn. Erratum: Carrier dynamics in semiconductors studied with time-resolved terahertz spectroscopy [Rev. Mod. Phys. **83**, 543 (2011)]. *Reviews of Modern Physics*, 89(2):029901–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.029901>. See [UHS⁺11].

Urbaszek:2013:NSP

- [UMA⁺13] Bernhard Urbaszek, Xavier Marie, Thierry Amand, Olivier Krebs, Paul Voisin, Patrick Maletinsky, Alexander Högele, and Atac Imamoglu. Nuclear spin physics in quantum dots: An optical investigation. *Reviews of Modern Physics*, 85(1):79–133, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.79>; http://rmp.aps.org/abstract/RMP/v85/i1/p79_1.

Varoquaux:2015:ACF

- [Var15] Eric Varoquaux. Anderson's considerations on the flow of superfluid helium: Some offshoots. *Reviews of Modern Physics*, 87(3):803–??, July/September 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.803>.

Vassen:2012:CTM

- [VCTL⁺12] Wim Vassen, Claude Cohen-Tannoudji, Michele Leduc, Denis Boiron, Christoph I. Westbrook, Andrew Truscott, Ken Baldwin, Gerhard Birkl, Pablo Cancio, and Marek Trippenbach. Cold and trapped metastable noble gases. *Reviews of Modern Physics*, 84(1):175–210, January 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.175>; http://rmp.aps.org/abstract/RMP/v84/i1/p175_1.

Varlamov:2018:FSR

- [VGG18] A. A. Varlamov, A. Galda, and A. Glatz. Fluctuation spectroscopy: From Rayleigh–Jeans waves to Abrikosov vortex clusters. *Reviews of Modern Physics*, 90(1):015009–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015009>.

vanHouselt:2010:CTR

- [vHZ10] Arie van Houselt and Harold J. W. Zandvliet. Colloquium: Time-resolved scanning tunneling microscopy. *Reviews of Modern Physics*, 82(2):1593–1605, April 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1593>; http://rmp.aps.org/abstract/RMP/v82/i2/p1593_1.

Vanossi:2013:CMF

- [VMU⁺13] Andrea Vanossi, Nicola Manini, Michael Urbakh, Stefano Zapperi, and Erio Tosatti. Colloquium: Modeling friction: From nanoscale to mesoscale. *Reviews of Modern Physics*, 85(2):529–552, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.529>; http://rmp.aps.org/abstract/RMP/v85/i2/p529_1.

Vitanov:2017:SRA

- [VRSB17] Nikolay V. Vitanov, Andon A. Rangelov, Bruce W. Shore, and Klaas Bergmann. Stimulated Raman adiabatic passage in physics, chemistry, and beyond. *Reviews of Modern Physics*, 89(1):015006–??, January 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.015006>.

vonToussaint:2011:BIP

- [vT11] Udo von Toussaint. Bayesian inference in physics. *Reviews of Modern Physics*, 83(3):943–999, July 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.943>; http://rmp.aps.org/abstract/RMP/v83/i3/p943_1.

Vos:2015:SVN

- [VWT15] K. K. Vos, H. W. Wilschut, and R. G. E. Timmermans. Symmetry violations in nuclear and neutron β decay. *Reviews of Modern Physics*, 87(4):1483–??, October/December 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.1483>.

Watts:2016:CMN

- [WAC⁺16] Anna L. Watts, Nils Andersson, Deepto Chakrabarty, Marco Feroci, Kai Hebeler, Gianluca Israel, Frederick K. Lamb, M. Coleman Miller, Sharon Morsink, Feryal Özel, Alessandro Patruno, Juri Poutanen, Dimitrios Psaltis, Achim Schwenk, Andrew W. Steiner, Luigi Stella, Laura Tolos, and Michiel van der Klis. Colloquium: Measuring the neutron star equation of state using X-ray timing. *Reviews of Modern Physics*, 88(2):021001–??, February 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.021001>.

Wang:2018:CEA

- [WCG⁺18] Gang Wang, Alexey Chernikov, Mikhail M. Glazov, Tony F. Heinz, Xavier Marie, Thierry Amand, and Bernhard Urbaszek. Colloquium: Excitons in atomically thin transition metal dichalcogenides. *Reviews of Modern Physics*, 90(2):021001–??, February 2018. CODEN RMPHAT. ISSN 0034-6861 (print),

1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.021001>.

Woods:2016:MPC

- [WDT⁺16] L. M. Woods, D. A. R. Dalvit, A. Tkatchenko, P. Rodriguez-Lopez, A. W. Rodriguez, and R. Podgornik. Materials perspective on Casimir and van der Waals interactions. *Reviews of Modern Physics*, 88(4):045003–??, October/December 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.045003>.

Weiss:2018:NLL

- [Wei18] Rainer Weiss. Nobel lecture: LIGO and the discovery of gravitational waves I. *Reviews of Modern Physics*, 90(4):040501–??, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <https://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.040501>.

Wen:2017:CZQ

- [Wen17] Xiao-Gang Wen. Colloquium: Zoo of quantum-topological phases of matter. *Reviews of Modern Physics*, 89(4):041004–??, October/December 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.041004>.

West:2014:CFC

- [Wes14] Bruce J. West. Colloquium: Fractional calculus view of complexity: A tutorial. *Reviews of Modern Physics*, 86(4):1169–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1169>.

Wietfeldt:2011:CNL

- [WG11] Fred E. Wietfeldt and Geoffrey L. Greene. Colloquium: The neutron lifetime. *Reviews of Modern Physics*, 83(4):1173–1192, October 2011. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.83.1173>; http://rmp.aps.org/abstract/RMP/v83/i4/p1173_1.

Wineland:2013:NLS

- [Win13] David J. Wineland. Nobel Lecture: Superposition, entanglement, and raising Schrödinger’s cat. *Reviews of Modern Physics*, 85(3):1103–1114, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.1103>; http://rmp.aps.org/abstract/RMP/v85/i3/p1103_1.

Witten:2016:FPI

- [Wit16] Edward Witten. Fermion path integrals and topological phases. *Reviews of Modern Physics*, 88(3):035001–??, July/September 2016. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.88.035001>.

Witten:2018:AME

- [Wit18] Edward Witten. APS Medal for Exceptional Achievement in Research: Invited article on entanglement properties of quantum field theory. *Reviews of Modern Physics*, 90(4):045003:1–045003:38, April 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.045003>.

Weedbrook:2012:GQI

- [WPGP⁺12] Christian Weedbrook, Stefano Pirandola, Raúl García-Patrón, Nicolas J. Cerf, Timothy C. Ralph, Jeffrey H. Shapiro, and Seth Lloyd. Gaussian quantum information. *Reviews of Modern Physics*, 84(2):621–669, April 2012. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.84.621>; http://rmp.aps.org/abstract/RMP/v84/i2/p621_1.

Xiang:2013:HQC

- [XAYN13] Ze-Liang Xiang, Sahel Ashhab, J. Q. You, and Franco Nori. Hybrid quantum circuits: Superconducting circuits interacting with other quantum systems. *Reviews of Modern Physics*, 85(2):623–653, April 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.623>; http://rmp.aps.org/abstract/RMP/v85/i2/p623_1.

Xiao:2010:BPE

- [XCN10] Di Xiao, Ming-Che Chang, and Qian Niu. Berry phase effects on electronic properties. *Reviews of Modern Physics*, 82(3):1959–2007, July 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.1959>; http://rmp.aps.org/abstract/RMP/v82/i3/p1959_1.

Yamada:2010:MR

- [YKJ10] Masaaki Yamada, Russell Kulsrud, and Hantao Ji. Magnetic reconnection. *Reviews of Modern Physics*, 82(1):603–664, January 2010. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.82.603>; http://rmp.aps.org/abstract/RMP/v82/i1/p603_1.

Zhitomirsky:2013:CSM

- [ZC13] M. E. Zhitomirsky and A. L. Chernyshev. Colloquium: Spontaneous magnon decays. *Reviews of Modern Physics*, 85(1):219–242, January 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.219>; http://rmp.aps.org/abstract/RMP/v85/i1/p219_1.

Zaburdaev:2015:LW

- [ZDK15] V. Zaburdaev, S. Denisov, and J. Klafter. Lévy walks. *Reviews of Modern Physics*, 87(2):483–??, April/June 2015. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.87.483>.

Zwanenburg:2013:SQE

- [ZDM⁺13] Floris A. Zwanenburg, Andrew S. Dzurak, Andrea Morello, Michelle Y. Simmons, Lloyd C. L. Hollenberg, Gerhard Klimeck, Sven Rogge, Susan N. Coppersmith, and Mark A. Eriksson. Silicon quantum electronics. *Reviews of Modern Physics*, 85(3):961–1019, July 2013. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.85.961>; http://rmp.aps.org/abstract/RMP/v85/i3/p961_1.

Zapf:2014:BEC

- [ZJB14a] Vivien Zapf, Marcelo Jaime, and C. D. Batista. Bose-Einstein condensation in quantum magnets. *Reviews of Modern Physics*, 86(2):563–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.563>. See erratum [ZJB14b].

Zapf:2014:EBE

- [ZJB14b] Vivien Zapf, Marcelo Jaime, and C. D. Batista. Erratum: Bose-Einstein condensation in quantum magnets [Rev. Mod. Phys. **86**, 563 (2014)]. *Reviews of Modern Physics*, 86(4):1453–??, April/June 2014. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.86.1453>. See [ZJB14a].

Zhou:2017:QSL

- [ZKN17] Yi Zhou, Kazushi Kanoda, and Tai-Kai Ng. Quantum spin liquid states. *Reviews of Modern Physics*, 89(2):025003–??, February 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.025003>.

Zeravcic:2017:CTL

- [ZMB17] Zorana Zeravcic, Vinothan N. Manoharan, and Michael P. Brenner. Colloquium: Toward living matter with colloidal particles. *Reviews of Modern Physics*, 89(3):031001–??, March 2017. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.89.031001>.