

# A Complete Bibliography of Publications in *Reviews of Modern Physics* (1980–1989)

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## Title word cross-reference

$1/f$  [DH81, Wei88].  $+$  [Rub85].  $-$  [Rub85].  $^0$  [Rub85].  $^3$  [CF85, RHD83, SV87, SV88, Vol84].  $_c$  [BM88].  $_L$  [KLLW81].  $a$  [CP87].  $e^+e^-$  [Dui82].  $\Lambda$  [FI86].  $N$  [Bic87, Das87, Yaf82].  $pp$  [BC85, BC85].  $R(t)$  [FI86].  $s$  [MS82].  $\times$  [KLLW81].

**-Si** [CP87].

**1987A** [Tri88].

**61** [JP90].

**absorption** [LCEK81]. **accidents** [WAA<sup>+</sup>85]. **accumulation** [vdM85].  
**Acoustics** [Cam86, MMO83]. **Addendum** [ER85a, JP90, KM91].  
**Adiabatic** [ARZ88]. **adjustment** [CT87]. **admissible** [DKM81].

admixtures [LKH82b, LKH82a]. adolescence [BR87]. advances [Ric81]. aftermath [Tri83]. alloys [Bic87]. almost [Vol84]. alpha [AAF85, WR80]. alpha-nucleon [AAF85]. American [BPA<sup>+</sup>87, CGA<sup>+</sup>81, WAA<sup>+</sup>85]. analytical [Sch89a]. angular [MS82]. antibunching [Pau82]. antiferromagnetism [Faw88]. antiprotons [vdM85]. anvil [Jay83]. application [CGM85]. Applications [Tam86, Ton87, JR83, JG89]. approach [BM88, Kog83]. Approaches [BSG81]. approximation [CW88]. aspects [Ahl80a, Ahl80b, Das87]. astronomical [Eli82]. Astrophysical [OM88]. astrophysics [Fow84]. asymmetry [Fit81]. Asymptotic [Bur80]. atomic [AK82, Del81, dVDS83]. atoms [BR82, Hoi80, JHY83, Lie81, Lie82, Sie82]. attractors [ER85a, ER85b, Ott81]. automata [Wol83].

barrier [BL80]. beams [SL88, Ste89]. behavior [Gre83]. Bénard [Beh85]. between [CF85, HL84, Pau86]. beyond [Bur80]. birth [BR87]. blastwaves [OM88]. blue [WM89]. body [BRT83, BRT84, Mat86]. bonding [Hof88]. boson [CW88, IT87]. bosons [Rub85]. bound [BYG85]. boundary [SP89]. Breaking [HRW86, Adl82, Adl83]. Breakup [dMK85]. broken [Mic80].

Calculable [BRT83, BRT84]. calculation [Mon87]. capacity [YH86]. Capture [WR80, BHL<sup>+</sup>82]. Carlo [JR83]. cell [Jay83]. cellular [Wol83]. centrifuge [Whi84a, Whi84b]. chaos [ER85a, ER85b]. chaotic [Ott81]. characteristics [Eli82]. charge [Fit81, Grü88, JR83]. charge-conjugation [Fit81]. charge-density [Grü88]. charged [Mar88]. chemical [Hof88]. chemistry [BD81b, BD81a]. chromium [Faw88]. chromodynamics [Kog83, Mon87]. classical [CTD<sup>+</sup>80, Ich82, Yaf82]. climate [PO84]. clusters [Sar86]. coal [CGA<sup>+</sup>81]. coherence [DKTM88]. collision [CZ83, dMK85]. collisions [AK82, Del81, FM84, Lan80a, RKM85]. Color [Pin86]. Complex [Pin87]. composites [MR81]. compound [HRW86]. compound-nucleus [HRW86]. concepts [BY86]. Conceptual [Wei80]. condensed [PT81, Sie82, Sil80, Wei88]. conducting [HKSS88]. conductors [AS87]. Configurations [Mic80]. Confrontation [CF85]. conjugation [Fit81]. connected [ARZ88]. constant [FI86, JHY83, Wei89]. constants [CT87]. construction [GRS83]. convection [Beh85]. cooling [Ste86, vdM85]. Cosmological [BBF89, FI86, Wei89]. Cosmology [DZ81]. Coulomb [Min87]. coupled [CTD<sup>+</sup>80, Ich82]. covalent [JR83]. Coverage [Pin87]. CP [Cro81]. Critical [Ahl80c, MR81, FI86, HS89, Wil83]. cross [BC85, RKM85]. crystal [Hoi80, Lan80b]. Crystalline [WM89]. Crystals [Bri85]. Current [Tho80a, Fis87, Gal83, KLLW81].

Damping [BBB83]. decays [O'D81]. deep [Bur80]. defects [FGP89, Mic80]. degenerate [Ich82]. degrees [MW88]. density [BD81a, BD81b, Faw88, Grü88, Ich82, JG89]. dependence [MS82]. detection [TF85]. detectors [Bic88]. determination [KLLW81].

**determined** [Hoi80]. **deuteron** [BF80]. **development** [BSG81, HBE87, Rus87]. **deviations** [KLLW81]. **device** [Gre83]. **devices** [Key89]. **Diamond** [Jay83]. **dielectric** [DKM81]. **diffraction** [Hoi80, ZGS<sup>+</sup>88]. **diffusion** [FGP89]. **digital** [Key89]. **dilute** [Bic87]. **dimensional** [ABSO81, AFS82, Min87, Str88, Viv84, Str89]. **dimensions** [BKL<sup>+</sup>86]. **Direct** [FM84, Owe87]. **Direct-photon** [FM84]. **directed** [BPA<sup>+</sup>87]. **discoveries** [Rig86]. **discovery** [Fit81]. **Disordered** [LR85, AS87]. **dissipative** [Eck81, LCD<sup>+</sup>87, LCD<sup>+</sup>95]. **distributions** [CZ83, MS82]. **dopant** [FGP89]. **double** [BL80, ZGS<sup>+</sup>88]. **double-humped** [BL80]. **double-slit** [ZGS<sup>+</sup>88]. **drive** [Fis87]. **Duality** [Sav80]. **ducts** [Cam86]. **during** [Atk85]. **dynamic** [HL84, Mac89]. **dynamical** [Eck81, Ott81]. **Dynamics** [KM89, KM91, LCD<sup>+</sup>87, ABSO81, Grü88, Neg82, Spo80, dG85, LCD<sup>+</sup>95]. **Dynamo** [Ing81].

**E0** [LKH82b, LKH82a]. **E2** [LKH82b, LKH82a]. **Earth** [Ing81]. **editor** [Ynd81]. **Editorial** [Laz80, Pin86, Pin87]. **effect** [Adl82, Adl83, AK82, Yen87, vK86]. **effects** [AS87, BYG85, Hal86, OP85]. **Einstein** [Adl82, Adl83]. **Elastic** [DS84, BC85]. **electric** [JHY83]. **electromagnetic** [OP85, Wei80]. **Electron** [CQ81, RKG85, Sie82, Bah87, BG86, DS84, HG89, HBE87, Ich82, Lan80a, Rus87, Ton87]. **electron-molecule** [Lan80a]. **Electronic** [AFS82, Pic89a, Del81, LR85, Sch89a, Pic89b]. **electrons** [FGK<sup>+</sup>88]. **electroweak** [KLLW81]. **elementary** [DZ81]. **elements** [Fow84]. **elevated** [Atk85]. **emission** [FGK<sup>+</sup>88, Sar86]. **ended** [Gal83]. **energies** [Jon80]. **energy** [Ahl80a, Ahl80b, BF80, BC85, BPA<sup>+</sup>87, BR82, DKT88, FM84, MS82, Sch89a, Sch89b, Ste89]. **enhanced** [Mos85]. **entropy** [Mac89]. **equations** [AP84, Dei84, Spo80]. **equilibrium** [AP84]. **Ergodic** [ER85a, ER85b]. **Erratum** [Adl83, Ahl80a, BD81a, BRT84, BP88, BP89, EHLQ86, LKH82b, LCD<sup>+</sup>95, Lie82, Pic89b, SV88, Str89, Wu83]. **even** [LKH82b, LKH82a]. **even-even** [LKH82b, LKH82a]. **events** [Tri82]. **evolution** [Cha84]. **Exact** [Tha81]. **exchange** [Jon80]. **Excitation** [ABSO81, HG89]. **excitations** [BBB83]. **expansion** [Bic87]. **expansions** [Tho80b]. **experiment** [CF85, Sch89b]. **Experimental** [BY86, Fow84, Rub85, Ahl80a, Ahl80b, KLLW81, Ric81]. **Experiments** [Ste89, Bah87, BU88, Gal83, Hoi80]. **Extended** [LCEK81]. **extragalactic** [BBR84].

**factors** [FI86]. **facts** [BY86]. **Fermi** [Lie82, Lie81, Vol84]. **fermion** [Ste84]. **few** [Mat86]. **few-body** [Mat86]. **Feynman** [Sch86]. **field** [Adl82, Adl83, AP84, Bra85, Ing81, Neg82, RS86, Sav80, Tha81]. **field-theoretical** [RS86]. **fields** [Gal85, JHY83]. **films** [Atk85, Min87, SL88]. **fine** [LCEK81]. **finite** [GPY81]. **first** [Gal83, Sch89b]. **fission** [BL80]. **flow** [MP89, MMO83]. **flows** [BKL<sup>+</sup>86]. **fluctuations** [BFF<sup>+</sup>81, DH81, SGB<sup>+</sup>89].

**fluid** [Dei84, MP89]. **fluids** [Mar88]. **flux** [AS87]. **fluxes** [OP85]. **force** [CTD<sup>+</sup>80, MW88]. **forces** [Sal80]. **formalism** [JG89]. **formation** [Lan80b]. **formulation** [GRS83]. **forward** [BC85]. **foundations** [IT87, Wei80]. **freedom** [Bur80, MW88]. **frequency** [DH81]. **Friedmann** [FI86]. **fuel** [CGA<sup>+</sup>81]. **function** [DKM81]. **functional** [JG89]. **functions** [HG89]. **fundamental** [CT87, Sal80]. **Fundamentals** [Sil80]. **fusion** [Fre82]. **future** [Tho80a].

**galaxies** [Sar86]. **gamma** [BSG81]. **gamma-ray** [BSG81]. **gas** [Hoi80, Min87, Whi84a, Whi84b]. **gas-surface** [Hoi80]. **gases** [Cam86, Cam87]. **Gauge** [Sal80, AP84, DV80, Kog83]. **gauges** [Lei87]. **geometrical** [DV80]. **geometry** [DP88]. **Geonium** [BG86]. **Geophysics** [STM<sup>+</sup>87]. **glasses** [BY86]. **gluon** [McL86]. **graphite** [CFG81]. **gravitating** [SZ89]. **Gravitational** [Tho80a, Tho80b]. **Gravitational-wave** [Tho80a]. **gravity** [Adl82, Adl83, Alv89, STM<sup>+</sup>87]. **greatest** [Tri88]. **group** [CGM85, Gal85, Wil83]. **groups** [CGM85]. **growth** [Atk85, Lan80b]. **Guest** [Laz80]. **gyro** [CGBP<sup>+</sup>85].

**H** [CP87]. **hadron** [Mon87]. **Hall** [Yen87, vK86]. **Hamiltonian** [Spo80, Viv84]. **Heat** [JP89, JP90]. **heating** [GM87]. **heavily** [Ahl80a, Ahl80b]. **Heavy** [Ste84]. **Heavy-fermion** [Ste84]. **helioseismology** [BU88]. **helium** [Beh85, BBF89, CFG81]. **helium-graphite** [CFG81]. **Hidden** [Mic80]. **High** [BC85, dVDS83, BM88, BF80, DKT88, FM84, Ich82, Jay83, Jon80, Pic89b, Pic89a, Sch89b, Ste89, Whi84b]. **high-density** [Ich82]. **High-energy** [BC85, BF80, DKT88, FM84, Sch89b, Ste89]. **high-pressure** [Jay83]. **high-speed** [Whi84b]. **High-spin** [dVDS83]. **high-T** [BM88]. **high-temperature** [Pic89b, Pic89a]. **highly** [KKR82]. **holography** [Ton87]. **humped** [BL80]. **hydrodynamics** [Son87]. **hydrogen** [CP87]. **hydrogens** [Sil80]. **hyperfine** [BYG85].

**Ideal** [Fre82]. **II** [Cam87, MR81, Tri83, Whi84b]. **illustrating** [Gre83]. **Illustrations** [Pin86]. **impact** [HG89]. **imprinting** [FS83]. **impurities** [CQ81]. **increasing** [Mac89]. **independent** [Pau86]. **inelastic** [Bur80]. **inflationary** [Bra85]. **information** [YH86]. **Instabilities** [Lan80b, Viv84]. **instantons** [GPY81]. **integrability** [Tha81]. **integrable** [KM89, KM91]. **Integral** [Yen87]. **interacting** [CW88, IT87]. **Interaction** [Cam87, JHY83, SL88, AAF85, CFG81, Hoi80]. **interactions** [HL84, Wei80]. **interfaces** [SL88]. **Interference** [Pau86]. **interferometer** [Gre83]. **intermediate** [Rub85]. **intermittency** [SZ89]. **internal** [Cam87]. **interpretation** [Cra86]. **Introduction** [Jac80, Lei87, Alv89]. **investigations** [Jay83]. **ion** [BG86]. **ionized** [CQ81]. **ionizing** [Ahl80a, Ahl80b]. **ions** [JHY83]. **isospin** [HRW86]. **Issues** [CTD<sup>+</sup>80].

**jets** [Cam86, Owe87]. **Josephson** [HL84]. **junctions** [HL84].

**Kepler** [Tri88]. **Kinetic** [Spo80]. **kinetics** [Wei88]. **Kondo** [AFL83].

**Large** [Owe87, Yaf82, Bic87, Das87, SZ89]. **large-** [Bic87, Das87].  
**Large-momentum-transfer** [Owe87]. **large-scale** [SZ89]. **laser**  
[CGBP<sup>+</sup>85, Ste86]. **lasers** [BSG81]. **lattice** [Kog83, Mat86]. **law** [STM<sup>+</sup>87].  
**leading** [Bur80]. **Letter** [Ynd81]. **level** [Fan83]. **levels** [BR82]. **light**  
[Sch82]. **limitations** [LCEK81]. **limits** [KLLW81, Spo80, Yaf82]. **lines**  
[AK82]. **liquid** [Beh85, Vol84]. **liquids** [Ich82, WM89]. **localized** [Vol84].  
**look** [Hof88]. **Lorentz** [vB82]. **loss** [Ahl80a, Ahl80b]. **Low** [DH81, Ahl80c].  
**Low-frequency** [DH81].

**M1** [LKH82b, LKH82a]. **Magnetic**  
[AS87, Bic87, Cam87, DS84, Fre82, Ing81, JHY83, Tay86]. **Magnetism**  
[CF85, RHD83]. **magnetohydrodynamic** [Fre82]. **magnetospheres**  
[Mie82]. **many** [BRT83, BRT84, Viv84]. **many-body** [BRT83, BRT84].  
**many-dimensional** [Viv84]. **Markovian** [Spo80]. **masers** [Eli82]. **masses**  
[Mon87]. **Massive** [BP87, BP88, BP89]. **materials** [JR83, MP89]. **matrix**  
[BFF<sup>+</sup>81]. **matter** [DKM81, KP89, PT81, Sie82, Wei88]. **mean** [Neg82].  
**mean-field** [Neg82]. **measurement** [CTD<sup>+</sup>80, YH86]. **Measurements**  
[HG89]. **mechanical** [CTD<sup>+</sup>80, HBE87]. **mechanics** [Cra86, Wol83, Yaf82].  
**medium** [SZ89]. **melting** [Str88, Str89]. **mesons** [O'D81]. **metal**  
[Hal86, MR81]. **metals** [GM87, HBE87, RS86]. **method** [JR83]. **methods**  
[AP84, BRT83, BRT84, Bra85, Gal85, RS86]. **microscope** [Rus87].  
**microscopy** [BR87, Rus87]. **microscopy-from** [BR87]. **millimeter** [TF85].  
**Mills** [DV80, Jac80]. **minimal** [KLLW81]. **Mod** [JP90]. **model**  
[IT87, Wu82, Led89, Wu83]. **models** [BHL<sup>+</sup>82, BU88, Bra85, vB82].  
**Modern** [Pin86]. **modes** [Cam87]. **Molecular** [CP87, Sil80]. **molecule**  
[Lan80a]. **molecules** [JHY83, Lie81, Sie82, Lie82]. **momentum** [Owe87].  
**Monte** [JR83]. **motion** [Dei84]. **motions** [Ott81]. **multiply** [ARZ88].  
**Multipole** [Tho80b, LKH82b, LKH82a]. **muonic** [BR82]. **Muonium** [Pat88].

**nearly** [KM89, KM91]. **neutral** [AK82, Gal83, KLLW81]. **neutral-current**  
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[Lei87]. **nonexponential** [Wei88]. **Nonlinear** [Blo82]. **nonresonant** [AK82].  
**nonspecialists** [Yen87]. **Normal** [Vol84, GM87, MR81]. **nuclear**  
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**observation** [Rub85]. **Observations** [Led89]. **one** [ABSO81].  
**one-dimensional** [ABSO81]. **open** [BY86]. **optical** [HG89, YH86]. **optics**

[Blo82]. **optoacoustic** [PT81]. **order** [Bur80]. **origin** [Cro81, Fow84, Mac89]. **oscillations** [BP87, KP89, Son87, BP88, BP89]. **oscillator** [CTD<sup>+</sup>80]. **other** [Wei88]. **oxide** [Atk85, Pic89b, Pic89a]. **oxides** [BM88].

**Pairing** [SGB<sup>+</sup>89]. **Pairs** [Fan83]. **paper** [JP90]. **parity** [Fit81]. **Part** [Cam86, Cam87, Tri82, Tri83, Whi84a, Whi84b]. **Particle** [Daw83, BD81a, BD81b, Led89]. **particles** [Ahl80b, DZ81, Hal86, Owe87, WR80, Ahl80a]. **pattern** [Lan80b]. **Penning** [BG86]. **Perovskite** [BM88]. **Perovskite-type** [BM88]. **perturbation** [DP88]. **PETRA** [Dui82]. **phase** [CZ83, Sil80]. **phase-space** [CZ83]. **phases** [WM89]. **phenomena** [Ahl80c, Wil83, dMK85, dVDS83]. **photoacoustic** [Tam86]. **Photoelectron** [MS82]. **Photon** [Pau82, FM84]. **photons** [Owe87, Pau86]. **Phys** [JP90]. **Physical** [BPA<sup>+</sup>87, CGA<sup>+</sup>81, Eli82, WAA<sup>+</sup>85, CT87, Hoi80, Jay83]. **physicists** [RTV86]. **Physics** [BG86, Key89, PO84, BF80, BFF<sup>+</sup>81, Dui82, EHLQ84, Led89, McL86, Whi84a, Pin86, EHLQ86]. **Pion** [Jon80]. **planning** [CGA<sup>+</sup>81]. **plants** [WAA<sup>+</sup>85]. **plasma** [Gol84, McL86]. **plasmas** [Daw83, Fis87, Ich82, Tay86]. **Point** [FGP89]. **polymers** [HKSS88]. **positron** [SL88]. **positronium** [Ric81]. **potential** [Hoi80, Sch89a]. **potential-energy** [Sch89a]. **Potts** [Wu83, Wu82]. **power** [WAA<sup>+</sup>85]. **precession** [Rig86]. **predicted** [BHL<sup>+</sup>82]. **Preparation** [YH86]. **pressure** [Jay83]. **principle** [CTD<sup>+</sup>80]. **Principles** [Whi84a, Whi84b, GRS83]. **Probing** [CFG81]. **problem** [AFL83, Mat86, MP89, Wei89]. **Problems** [MMO83]. **processes** [Atk85, Bur80, Sch86, dMK85]. **Production** [FS83, BBF89, CGA<sup>+</sup>81, FM84, Owe87, RKM85]. **projectiles** [dMK85]. **properties** [AFS82, KHL<sup>+</sup>80, Sil80, WCR<sup>+</sup>84, vB82]. **prospects** [JG89, Tho80a]. **proton** [RKM85]. **protons** [WR80]. **pulsar** [Mic82]. **Pulsed** [PT81].

**QCD** [DKTM88, GPY81]. **QED** [BYG85]. **Quantized** [SV87, vK86, SV88]. **Quantum** [Alv89, Bra85, CZ83, Hal86, RS86, Rig86, TF85, Adl82, Adl83, ARZ88, CTD<sup>+</sup>80, Cra86, Gre83, HBE87, Jac80, Kog83, Mon87, OP85, Tha81, YH86, Yen87]. **quantum-mechanical** [CTD<sup>+</sup>80, HBE87]. **quark** [McL86, MW88]. **quark-gluon** [McL86]. **quartz** [Bri85]. **quasifree** [FGK<sup>+</sup>88]. **quasimolecules** [Anh85]. **quest** [Fow84]. **questions** [BY86].

**radiation** [Tho80b]. **Radiative** [O'D81]. **radio** [BBR84]. **radioactive** [KKR82]. **radionuclide** [WAA<sup>+</sup>85]. **Random** [BFF<sup>+</sup>81, ABSO81]. **Random-matrix** [BFF<sup>+</sup>81]. **rapidly** [SGB<sup>+</sup>89]. **rates** [BHL<sup>+</sup>82]. **ray** [BSG81, LCEK81, Sar86]. **Rayleigh** [Beh85]. **rays** [Anh85]. **reactions** [DKTM88, HRW86, WR80]. **real** [MP89]. **Recoil** [BYG85]. **reconnection** [Tay86, Whi86]. **related** [Lie81, Lie82]. **relativistic** [Ahl80a, Ahl80b]. **Relaxation** [AP84, Tay86]. **release** [WAA<sup>+</sup>85]. **Renormalization** [Gal85, Wil83]. **Report** [BPA<sup>+</sup>87, CGA<sup>+</sup>81, WAA<sup>+</sup>85]. **repositories**

[KKR82]. **representation** [CGM85, Sch89a]. **research** [CGA<sup>+</sup>81, Ric81, Tho80a]. **resistance** [SP89]. **Resistive** [Whi86]. **resonators** [Bri85]. **results** [Alv89]. **Rev** [JP90]. **Review** [Bic87, Dui82, KHL<sup>+</sup>80, Whi84a, Whi84b, WCR<sup>+</sup>84, HS89, KLLW81]. **Reviews** [Pin86]. **Riemann** [MP89]. **ring** [CGBP<sup>+</sup>85]. **Roads** [Eck81]. **role** [BD81a, BD81b]. **rotating** [SGB<sup>+</sup>89, Son87]. **rotation** [Whi84b]. **rules** [Mar88].

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**X** [Anh85, LCEK81, Sar86]. **X-ray** [LCEK81, Sar86]. **X-rays** [Anh85].

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