

# Marc A Kastner

## List of Publications by Year in descending order

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167  
papers

22,314  
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168  
docs citations

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times ranked

9625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kondo effect in a single-electron transistor. <i>Nature</i> , 1998, 391, 156-159.	27.8	1,983
2	Emergent ferromagnetism near three-quarters filling in twisted bilayer graphene. <i>Science</i> , 2019, 365, 605-608.	12.6	1,106
3	The single-electron transistor. <i>Reviews of Modern Physics</i> , 1992, 64, 849-858.	45.6	935
4	Artificial Atoms. <i>Physics Today</i> , 1993, 46, 24-31.	0.3	832
5	Two-dimensional antiferromagnetic quantum spin-fluid state in $\text{La}_2\text{CuO}_4$ . <i>Physical Review Letters</i> , 1987, 59, 1613-1616.	7.8	753
6	From the Kondo Regime to the Mixed-Valence Regime in a Single-Electron Transistor. <i>Physical Review Letters</i> , 1998, 81, 5225-5228.	7.8	700
7	Magnetic phase diagram and magnetic pairing in doped $\text{La}_2\text{CuO}_4$ . <i>Physical Review Letters</i> , 1988, 60, 1330-1333.	7.8	656
8	Single-electron charging and periodic conductance resonances in GaAs nanostructures. <i>Physical Review Letters</i> , 1990, 65, 771-774.	7.8	583
9	Magnetic excitations in pure, lightly doped, and weakly metallic $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1992, 46, 14034-14053.	3.2	557
10	Eversus $k$ Relations and Many Body Effects in the Model Insulating Copper Oxide $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ . <i>Physical Review Letters</i> , 1995, 74, 964-967.	7.8	473
11	Antisymmetric exchange and its influence on the magnetic structure and conductivity of $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1988, 38, 905-908.	3.2	444
12	Static and dynamic spin correlations in pure and doped $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1988, 37, 7443-7453.	3.2	438
13	Fano resonances in electronic transport through a single-electron transistor. <i>Physical Review B</i> , 2000, 62, 2188-2194.	3.2	400
14	Transport spectroscopy of a Coulomb island in the quantum Hall regime. <i>Physical Review Letters</i> , 1991, 66, 1926-1929.	7.8	367
15	Antiferromagnetic spin correlations in insulating, metallic, and superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 1988, 38, 6614-6623.	3.2	335
16	Conductance Oscillations Periodic in the Density of a One-Dimensional Electron Gas. <i>Physical Review Letters</i> , 1989, 62, 583-586.	7.8	334
17	Quasi-Particle Properties from Tunneling in the $\nu = 5/2$ Fractional Quantum Hall State. <i>Science</i> , 2008, 320, 899-902.	12.6	287
18	Self-consistent addition spectrum of a Coulomb island in the quantum Hall regime. <i>Physical Review B</i> , 1992, 45, 11419-11422.	3.2	280

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19	Photoconductivity in CdSe quantum dot solids. Physical Review B, 2000, 62, 2669-2680.	3.2	264
20	Soft-phonon behavior and transport in single-crystal La <sub>2</sub> CuO <sub>4</sub> . Physical Review Letters, 1987, 59, 1329-1332.	7.8	249
21	Temperature dependence of the magnetic excitations in La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> (T <sub>c</sub> =33 K). Physical Review Letters, 1989, 63, 330-333.	7.8	236
22	Systematics of the Photoemission Spectral Function of Cuprates: Insulators and Hole- and Electron-Doped Superconductors. Physical Review Letters, 1998, 80, 4245-4248.	7.8	236
23	Transient photoconductivity and photo-induced optical absorption in amorphous semiconductors. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1982, 46, 23-62.	0.6	233
24	Neutron-scattering study of spin-density wave order in the superconducting state of excess-oxygen-doped La <sub>2</sub> CuO <sub>4+y</sub> . Physical Review B, 1999, 60, 3643-3654.	3.2	222
25	Three-dimensional magnetic structures and rare-earth magnetic ordering in Nd <sub>2</sub> CuO <sub>4</sub> and Pr <sub>2</sub> CuO <sub>4</sub> . Physical Review B, 1990, 42, 10098-10107.	3.2	217
26	Neutron-scattering study of static antiferromagnetic correlations in La <sub>2-x</sub> Sr <sub>x</sub> Cu <sub>1-y</sub> Zn <sub>y</sub> O <sub>4</sub> . Physical Review B, 1999, 59, 6517-6523.	3.2	213
27	Effects of quantum levels on transport through a Coulomb island. Physical Review B, 1993, 47, 10020-10023.	3.2	211
28	Electrical Control of Spin Relaxation in a Quantum Dot. Physical Review Letters, 2008, 100, 046803.	7.8	210
29	Time-resolved photoluminescence in amorphous silicon dioxide. Physical Review B, 1987, 35, 2972-2979.	3.2	206
30	Incommensurate Spin Fluctuations in High-Transition Temperature Superconductors. Science, 1997, 277, 1067-1071.	12.6	186
31	Lattice instability and soft phonons in single-crystal La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Physical Review B, 1988, 38, 185-194.	3.2	184
32	Neutron scattering study of the magnetic excitations in metallic and superconducting La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4-y</sub> . Physical Review B, 1989, 40, 4585-4595.	3.2	184
33	Resistivity of nonmetallic La <sub>2-y</sub> Sr <sub>y</sub> Cu <sub>1-x</sub> Li <sub>x</sub> O <sub>4</sub> single crystals and ceramics. Physical Review B, 1988, 37, 111-117.	3.2	183
34	Static and dynamic spin fluctuations in superconducting La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Physical Review B, 1989, 39, 2868-2871.	3.2	177
35	Transport properties of annealed CdSe colloidal nanocrystal solids. Journal of Applied Physics, 2002, 92, 7498-7503.	2.5	174
36	Photoconductivity studies of treated CdSe quantum dot films exhibiting increased exciton ionization efficiency. Physical Review B, 2004, 70, .	3.2	170

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37	Direct Observation of a Magnetic Gap in Superconducting $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ ( $T_c=37.3\text{K}$ ). <i>Physical Review Letters</i> , 1995, 75, 1626-1629.	7.8	167
38	Direct observation of a one-dimensional static spin modulation in insulating $\text{La}_{1.95}\text{Sr}_{0.05}\text{CuO}_4$ . <i>Physical Review B</i> , 2000, 61, 3699-3706.	3.2	165
39	Neutron scattering study of the two-dimensional spin $S=1/2$ square-lattice Heisenberg antiferromagnet $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ . <i>European Physical Journal B</i> , 1995, 96, 465-477.	1.5	161
40	Néel transition and sublattice magnetization of pure and doped $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1992, 45, 7430-7435.	3.2	155
41	Static and dynamic spin correlations in the spin-glass phase of slightly doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 2000, 62, 9148-9154.	3.2	155
42	Scaling Behavior of the Generalized Susceptibility in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+y}$ . <i>Physical Review Letters</i> , 1991, 67, 1930-1933.	7.8	152
43	Spin-Glass Behavior in $\text{La}_{1.96}\text{Sr}_{0.04}\text{CuO}_4$ . <i>Physical Review Letters</i> , 1995, 75, 2204-2207.	7.8	152
44	Aperiodic magnetoresistance oscillations in narrow inversion layers in Si. <i>Physical Review Letters</i> , 1985, 55, 2987-2990.	7.8	150
45	Low-energy incommensurate spin excitations in superconducting $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ . <i>Physical Review B</i> , 1992, 46, 9128-9131.	3.2	144
46	Mid-infrared optical absorption in undoped lamellar copper oxides. <i>Physical Review Letters</i> , 1993, 71, 1621-1624.	7.8	144
47	Electronic transport in films of colloidal CdSe nanocrystals. <i>Physical Review B</i> , 2002, 66, .	3.2	143
48	Spin dynamics in the two-dimensional quantum antiferromagnet $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1989, 40, 4557-4565.	3.2	136
49	Magnetic frustration model for superconductivity in planar $\text{CuO}_2$ systems. <i>European Physical Journal B</i> , 1988, 71, 57-62.	1.5	130
50	Muon spin relaxation studies of incommensurate magnetism and superconductivity in stage-4 $\text{La}_2\text{CuO}_{4.11}$ and $\text{La}_{1.88}\text{Sr}_{0.12}\text{CuO}_4$ . <i>Physical Review B</i> , 2002, 66, .	3.2	130
51	One-dimensional electron gas in GaAs: Periodic conductance oscillations as a function of density. <i>Physical Review B</i> , 1989, 40, 5871-5874.	3.2	127
52	Frequency and magnetic-field dependence of the dielectric constant and conductivity of $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 1991, 43, 392-401.	3.2	127
53	Spin correlations in the 2D Heisenberg antiferromagnet $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ : Neutron scattering, Monte Carlo simulation, and theory. <i>Physical Review Letters</i> , 1994, 72, 1096-1099.	7.8	125
54	Measurements of Kondo and Spin Splitting in Single-Electron Transistors. <i>Physical Review Letters</i> , 2004, 93, 166602.	7.8	125

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55	Two-dimensional zone-center spin-wave excitations in $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1988, 37, 9761-9764.	3.2	123
56	Enhancement of long-range magnetic order by magnetic field in superconducting $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 2002, 66, .	3.2	122
57	Magnetoresistance and the spin-flop transition in single-crystal $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 1990, 41, 231-239.	3.2	120
58	Charge-transfer spectrum and its temperature dependence in $\text{La}_2\text{CuO}_4$ . <i>Physical Review Letters</i> , 1992, 69, 1109-1112.	7.8	111
59	Exchange Effects in an Artificial Atom at High Magnetic Fields. <i>Physical Review Letters</i> , 1995, 74, 785-788.	7.8	106
60	Conductance oscillations periodic in the density of one-dimensional electron gases. <i>Physical Review B</i> , 1990, 42, 3523-3536.	3.2	104
61	Photoinduced paramagnetic defects in amorphous silicon dioxide. <i>Physical Review B</i> , 1984, 29, 7079-7081.	3.2	101
62	Charge transport in PbSe nanocrystal arrays. <i>Physical Review B</i> , 2008, 77, .	3.2	100
63	Neutron-scattering study of the transition from antiferromagnetic to weak ferromagnetic order in $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1988, 38, 6636-6640.	3.2	98
64	Neutron scattering study of soft optical phonons in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 1989, 39, 4327-4333.	3.2	97
65	Singlet $\leftrightarrow$ triplet transition in a single-electron transistor at zero magnetic field. <i>Physical Review B</i> , 2003, 67, .	3.2	97
66	Nonmonotonic Variations of the Conductance with Electron Density in $\sim 70$ -nm-Wide Inversion Layers. <i>Physical Review Letters</i> , 1984, 52, 224-227.	7.8	96
67	Optical excitation of polaronic impurities in $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 1993, 48, 4043-4046.	3.2	93
68	Antiferromagnetic spin correlations in $(\text{Nd,Pr})_2\text{x}\text{Ce}_x\text{CuO}_4$ . <i>Physical Review Letters</i> , 1990, 65, 263-266.	7.8	92
69	Conductivity and Hall coefficient in $\text{La}_2\text{CuO}_{4+y}$ near the insulator-metal transition. <i>Physical Review B</i> , 1989, 39, 11563-11569.	3.2	91
70	Intercalation and staging behavior in super-oxygenated $\text{La}_2\text{CuO}_4 + \delta$ . <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 100, 535-545.	1.1	88
71	Soft phonon behavior and magnetism at the low temperature structural phase transition of $\text{La}_{1.65}\text{Nd}_{0.35}\text{CuO}_4$ . <i>European Physical Journal B</i> , 1993, 91, 373-382.	1.5	86
72	Exactly exponential band tail in a glassy semiconductor. <i>Physical Review B</i> , 1986, 33, 8881-8884.	3.2	78

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73	Field-induced transition between magnetically disordered and ordered phases in underdoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 2005, 71, .	3.2	77
74	Fractional quantum Hall effect in a quantum point contact at filling fraction $5/2$ . <i>Nature Physics</i> , 2007, 3, 561-565.	16.7	77
75	Magnetic order, spin correlations, and superconductivity in single-crystal $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ . <i>Physical Review B</i> , 1992, 45, 12548-12555.	3.2	76
76	Frequency dependence of the conductivity and dielectric constant of $\text{La}_2\text{CuO}_{4+y}$ near the insulator-metal transition. <i>Physical Review Letters</i> , 1989, 63, 2307-2310.	7.8	73
77	Instantaneous spin correlations in $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1999, 59, 13788-13794.	3.2	68
78	Spin fluctuations in superconducting $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ . <i>Physical Review B</i> , 1994, 49, 6958-6966.	3.2	65
79	Photoconduction in Annealed and Chemically Treated $\text{CdSe/ZnS}$ Inorganic Nanocrystal Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2308-2316.	3.1	65
80	Ordering due to Quantum Fluctuations in $\text{Sr}_2\text{Cu}_3\text{O}_4\text{Cl}_2$ . <i>Physical Review Letters</i> , 1999, 83, 852-855.	7.8	63
81	Ferromagnetic Moment and Spin Rotation Transitions in Tetragonal Antiferromagnetic $\text{Sr}_2\text{Cu}_3\text{O}_4\text{Cl}_2$ . <i>Physical Review Letters</i> , 1997, 78, 535-538.	7.8	62
82	Measurements of quasiparticle tunneling in the $\frac{62}{5}$ quantum Hall state. <i>Physical Review B</i> , 2012, 85, .	3.2	62
83	Excitation-energy dependence of the photoluminescence total-light decay in arsenic chalcogenides. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1983, 47, 83-98.	0.6	61
84	Long-lived Coulomb gap in a compensated semiconductor $\alpha\text{-Si}$ the electron glass. <i>Physical Review Letters</i> , 1987, 59, 1148-1151.	7.8	60
85	Vacuum-ultraviolet generation of luminescence and absorption centres in $\alpha\text{-SiO}_2$ . <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1984, 49, 357-362.	0.6	59
86	Energy-Dependent Tunneling in a Quantum Dot. <i>Physical Review Letters</i> , 2007, 98, 036802.	7.8	58
87	Isotropic negative magnetoresistance in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 1991, 44, 407-410.	3.2	55
88	Conductance fluctuations near the localized-to-extended transition in narrow Si metal-oxide-semiconductor field-effect transistors. <i>Physical Review B</i> , 1987, 36, 8015-8031.	3.2	51
89	Crossover from single-level to multilevel transport in artificial atoms. <i>Physical Review B</i> , 1994, 50, 14193-14199.	3.2	50
90	Magnetic properties of the $S=12$ quasi-one-dimensional antiferromagnet $\text{CaCu}_2\text{O}_3$ . <i>Physical Review B</i> , 2001, 63, .	3.2	50

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91	X-ray-induced structural transition in $\text{La}_{0.875}\text{Sr}_{0.125}\text{MnO}_3$ . <i>Physical Review B</i> , 1999, 59, R6581-R6584.	3.2	48
92	Photon-Induced Kondo Satellites in a Single-Electron Transistor. <i>Science</i> , 2004, 304, 1293-1295.	12.6	48
93	Temperature scaling of the integrated dynamical susceptibility in $\text{YBa}_2\text{Cu}_3\text{O}_{6.5}$ ( $T_c = 50$ K). <i>European Physical Journal B</i> , 1992, 87, 15-19.	1.5	47
94	Charge transport in mixed CdSe and CdTe colloidal nanocrystal films. <i>Physical Review B</i> , 2010, 82, .	3.2	47
95	Nanopatterned Electrically Conductive Films of Semiconductor Nanocrystals. <i>Nano Letters</i> , 2012, 12, 4404-4408.	9.1	47
96	Conductance oscillations and transport spectroscopy of a quantum dot. <i>European Physical Journal B</i> , 1991, 85, 357-366.	1.5	46
97	Effect of a magnetic field on long-range magnetic order in stage-4 and stage-6 superconducting $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 2003, 67, .	3.2	46
98	Field-effect conductance of $\text{YBa}_2\text{Cu}_3\text{O}_6$ . <i>Journal of Applied Physics</i> , 1991, 69, 4439-4441.	2.5	44
99	Multi-island single-electron devices from self-assembled colloidal nanocrystal chains. <i>Applied Physics Letters</i> , 2006, 88, 143507.	3.3	44
100	Comparison of strontium-induced and oxygen-induced holes in $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1995, 51, 3671-3677.	3.2	43
101	Generalizations of multiple trapping. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1983, 47, 605-620.	0.6	41
102	Determination of the energy gap for charged excitations in insulating $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1990, 42, 10800-10803.	3.2	41
103	Temperature-, gate-, and photoinduced conductance of close-packed CdTe nanocrystal films. <i>Physical Review B</i> , 2006, 73, .	3.2	39
104	Two-stage Kondo effect in a four-electron artificial atom. <i>Physical Review B</i> , 2005, 72, .	3.2	38
105	Kondo temperature dependence of the Kondo splitting in a single-electron transistor. <i>Physical Review B</i> , 2005, 72, .	3.2	37
106	Time-of-flight and photoconductivity studies of $\alpha\text{-As}_2\text{Se}_3$ films. <i>Solid State Communications</i> , 1983, 45, 187-189.	1.9	34
107	Freezing of anisotropic spin clusters in $\text{La}_{1.98}\text{Sr}_{0.02}\text{CuO}_4$ . <i>Physical Review B</i> , 2000, 61, 4326-4333.	3.2	34
108	Fermi statistics and anomalous transport in quantum-dot arrays. <i>Physical Review B</i> , 2005, 72, .	3.2	34

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109	Infrared optical excitations in La <sub>2</sub> NiO <sub>4</sub> . Physical Review B, 1995, 52, R9863-R9866.	3.2	33
110	Anomalous temperature dependence in the photoemission spectral function of cuprates. Physical Review B, 2002, 65, .	3.2	33
111	Competing $\hat{\nu} = 5/2$ fractional quantum Hall states in confined geometry. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12386-12390.	7.1	33
112	Spin-dependent tunneling of single electrons into an empty quantum dot. Physical Review B, 2008, 78, .	3.2	32
113	Neutron scattering study of the effects of dopant disorder on the superconductivity and magnetic order in stage-4La <sub>2</sub> CuO <sub>4+y</sub> . Physical Review B, 2004, 69, .	3.2	31
114	Magnetic-field dependence of the level spacing of a small electron droplet. Physical Review B, 1996, 53, R4221-R4224.	3.2	30
115	Neutron scattering study of Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . Physical Review B, 2001, 64, .	3.2	29
116	Evidence for Thermally Generated Defects in Liquid and Glassy As <sub>2</sub> Se <sub>3</sub> . Physical Review Letters, 1984, 52, 667-670.	7.8	28
117	Evidence for activated conduction in a single electron transistor. Journal of Applied Physics, 2001, 89, 410-419.	2.5	28
118	Magnetotransport in multiple narrow silicon inversion channels opened electrostatically into a two-dimensional electron gas. Physical Review B, 1992, 45, 9214-9221.	3.2	27
119	Evidence of Orbital Ferromagnetism in Twisted Bilayer Graphene Aligned to Hexagonal Boron Nitride. Nano Letters, 2021, 21, 4299-4304.	9.1	27
120	Recombination and excited-state absorption at photoluminescence centres in crystalline and amorphous arsenic triselenide. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1984, 50, 29-51.	0.6	26
121	Electrochemistry and staging in La <sub>2</sub> CuO <sub>4+<math>\hat{\nu}</math></sub> . Physical Review B, 1998, 57, 13915-13921.	3.2	26
122	Imaging the charge transport in arrays of CdSe nanocrystals. Applied Physics Letters, 2003, 83, 4008-4010.	3.3	26
123	Anomalous Magnetoresistance of the Electron Gas in a Restricted Geometry. Physical Review Letters, 1988, 60, 2535-2538.	7.8	24
124	Midinfrared electroreflectance in La <sub>2</sub> CuO <sub>4+y</sub> . Physical Review B, 1994, 49, 6246-6251.	3.2	21
125	Spatial modulation of low-frequency spin fluctuations in hole-doped La <sub>2</sub> CuO <sub>4</sub> . Journal of Superconductivity and Novel Magnetism, 1997, 10, 343-347.	0.5	21
126	Kastner et al. reply. Physical Review Letters, 1989, 63, 1894-1894.	7.8	19



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127	Insulator-to-quantum-Hall-liquid transition in an antidot lattice. Physical Review B, 1997, 55, 4085-4088.	3.2	18
128	Quantum Monte Carlo study of weakly coupled spin ladders. Physical Review B, 1999, 60, 3294-3304.	3.2	18
129	Transient photocurrent spectroscopy in a-As <sub>2</sub> Se <sub>3</sub> containing impurities. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1982, 45, 399-406.	0.6	17
130	Tunable Orbital Ferromagnetism at Noninteger Filling of a Moiré Superlattice. Nano Letters, 2022, 22, 238-245.	9.1	17
131	Observation of a phase transition within the domain walls of ferromagnetic Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> . Nature Communications, 2022, 13, .	12.8	17
132	Field-dependent antiferromagnetism and ferromagnetism of the two copper sublattices in Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . Physical Review B, 1999, 59, 14702-14711.	3.2	16
133	Frontier Physics with Correlated Electrons. Science, 2000, 288, 437-437.	12.6	15
134	Anomalous magnetic properties of triplet excited states in crystalline and amorphous arsenic triselenide. Physical Review B, 1987, 35, 2867-2885.	3.2	13
135	Unusual magnetotransport in twisted bilayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118482119.	7.1	13
136	Field and Hall effects in semiconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+δ</sub> . Physical Review B, 1992, 46, 520-523.	3.2	12
137	Antiferromagnetism, ferromagnetism, and magnetic phase separation in Bi <sub>2</sub> Sr <sub>2</sub> CoO <sub>6+δ</sub> . Physical Review B, 2002, 66, .	3.2	12
138	Measuring Ligand-Dependent Transport in Nanopatterned PbS Colloidal Quantum Dot Arrays Using Charge Sensing. Nano Letters, 2015, 15, 4401-4405.	9.1	12
139	Bulk dissipation in the quantum anomalous Hall effect. APL Materials, 2021, 9, 081116.	5.1	12
140	Critical Spin Dynamics of the 2D Quantum Heisenberg Antiferromagnets Sr <sub>2</sub> CuO <sub>2</sub> Cl <sub>2</sub> and Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . Physical Review Letters, 2001, 86, 3144-3147.	7.8	11
141	Magnetic frustration model and superconductivity in doped planar CuO <sub>2</sub> systems. IBM Journal of Research and Development, 1989, 33, 287-292.	3.1	10
142	Direct observation of the quantum energy gap in S = 1/2 tetragonal cuprate antiferromagnets. Europhysics Letters, 2001, 54, 508-514.	2.0	9
143	Transient photoluminescence and photo-induced optical absorption in polymeric and crystalline sulphur. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1984, 50, 373-377.	0.6	8
144	Absence of strong localization at low conductivity in the topological surface state of low-disorder $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Sb} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \text{3} \langle \text{mml:mn} \rangle \text{2} \langle \text{mml:mn} \rangle \text{8} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \text{8} \langle \text{mml:mi} \rangle$ Physical Review B, 2019, 99, .		

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145	Electric-field-driven insulating-to-conducting transition in a mesoscopic quantum dot lattice. Physical Review B, 2014, 90, .	3.2	7
146	Transient photoluminescence and excited-state optical absorption in trigonal selenium. Physical Review B, 1985, 32, 914-917.	3.2	6
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