

# Marc A Kastner

## List of Publications by Year in descending order

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168  
docs citations

168  
times ranked

9625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Orbital Ferromagnetism at Noninteger Filling of a Moiré Superlattice. Nano Letters, 2022, 22, 238-245.	9.1	17
2	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
3	Clean quantum point contacts in an InAs quantum well grown on a lattice-mismatched InP substrate. Physical Review B, 2022, 105, .	3.2	2
4	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
5	Evidence of Orbital Ferromagnetism in Twisted Bilayer Graphene Aligned to Hexagonal Boron Nitride. Nano Letters, 2021, 21, 4299-4304.	9.1	27
6	Bulk dissipation in the quantum anomalous Hall effect. APL Materials, 2021, 9, 081116.	5.1	12
7	Emergent ferromagnetism near three-quarters filling in twisted bilayer graphene. Science, 2019, 365, 605-608.	12.6	1,106
8	Absence of strong localization at low conductivity in the topological surface state of low-disorder $\text{Sb}_{2\tau}$ Physical Review B, 2019, 99, .	3.2	8
9	Competing $\nu = 5/2$ 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
10	Measuring Ligand-Dependent Transport in Nanopatterned PbS Colloidal Quantum Dot Arrays Using Charge Sensing. Nano Letters, 2015, 15, 4401-4405.	9.1	12
11	Electric-field-driven insulating-to-conducting transition in a mesoscopic quantum dot lattice. Physical Review B, 2014, 90, .	3.2	7
12	Measurements of quasiparticle tunneling in the $\nu = 5\frac{6}{2}$ quantum Hall state. Physical Review B, 2012, 85, .	3.2	62
13	Nanopatterned Electrically Conductive Films of Semiconductor Nanocrystals. Nano Letters, 2012, 12, 4404-4408.	9.1	47
14	The Effect of Electrostatic Screening on a Nanometer Scale Electrometer. Nano Letters, 2011, 11, 30-34.	9.1	2
15	Contact-Independent Measurement of Electrical Conductance of a Thin Film with a Nanoscale Sensor. Nano Letters, 2011, 11, 4102-4106.	9.1	5
16	The effect of surface conductance on lateral gated quantum devices in Si/SiGe heterostructures. Journal of Applied Physics, 2011, 110, 023712.	2.5	0
17	Measuring Charge Transport in a Thin Solid Film Using Charge Sensing. Nano Letters, 2010, 10, 1037-1040.	9.1	5
18	Charge transport in mixed CdSe and CdTe colloidal nanocrystal films. Physical Review B, 2010, 82, .	3.2	47

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19	Charge transport in PbSe nanocrystal arrays. <i>Physical Review B</i> , 2008, 77, .	3.2	100
20	Photoconduction in Annealed and Chemically Treated CdSe/ZnS Inorganic Nanocrystal Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2308-2316.	3.1	65
21	Electrical Control of Spin Relaxation in a Quantum Dot. <i>Physical Review Letters</i> , 2008, 100, 046803.	7.8	210
22	Quasi-Particle Properties from Tunneling in the $\nu = 5/2$ Fractional Quantum Hall State. <i>Science</i> , 2008, 320, 899-902.	12.6	287
23	Spin-dependent tunneling of single electrons into an empty quantum dot. <i>Physical Review B</i> , 2008, 78, .	3.2	32
24	Energy-Dependent Tunneling in a Quantum Dot. <i>Physical Review Letters</i> , 2007, 98, 036802.	7.8	58
25	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
26	Multi-island single-electron devices from self-assembled colloidal nanocrystal chains. <i>Applied Physics Letters</i> , 2006, 88, 143507.	3.3	44
27	Surface-gated quantum Hall effect in an InAs heterostructure. <i>Applied Physics Letters</i> , 2006, 88, 252105.	3.3	4
28	Toward the manipulation of a single spin in an AlGaAs/GaAs single-electron transistor. , 2006, , .		5
29	Temperature-, gate-, and photoinduced conductance of close-packed CdTe nanocrystal films. <i>Physical Review B</i> , 2006, 73, .	3.2	39
30	Anomalous transport and memory in quantum dot arrays (Invited Paper). , 2005, , .		0
31	Fermi-Dirac statistics and anomalous transport in quantum-dot arrays. <i>Physical Review B</i> , 2005, 72, .	3.2	34
32	Two-stage Kondo effect in a four-electron artificial atom. <i>Physical Review B</i> , 2005, 72, .	3.2	38
33	Kondo temperature dependence of the Kondo splitting in a single-electron transistor. <i>Physical Review B</i> , 2005, 72, .	3.2	37
34	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
35	Measurements of Kondo and Spin Splitting in Single-Electron Transistors. <i>Physical Review Letters</i> , 2004, 93, 166602.	7.8	125
36	Thermodynamic properties of excess-oxygen-doped $\text{La}_2\text{CuO}_{4.11}$ near a simultaneous transition to superconductivity and long-range magnetic order. <i>Physical Review B</i> , 2004, 69, .	3.2	4

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37	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
38	Photon-Induced Kondo Satellites in a Single-Electron Transistor. Science, 2004, 304, 1293-1295.	12.6	48
39	Photoconductivity studies of treated CdSe quantum dot films exhibiting increased exciton ionization efficiency. Physical Review B, 2004, 70, .	3.2	170
40	Imaging the charge transport in arrays of CdSe nanocrystals. Applied Physics Letters, 2003, 83, 4008-4010.	3.3	26
41	Singlet- $\leftrightarrow$ triplet transition in a single-electron transistor at zero magnetic field. Physical Review B, 2003, 67, .	3.2	97
42	Effect of a magnetic field on long-range magnetic order in stage-4 and stage-6 superconducting La <sub>2</sub> CuO <sub>4+y</sub> . Physical Review B, 2003, 67, .	3.2	46
43	Transport properties of annealed CdSe colloidal nanocrystal solids. Journal of Applied Physics, 2002, 92, 7498-7503.	2.5	174
44	Enhancement of long-range magnetic order by magnetic field in superconducting La <sub>2</sub> CuO <sub>4+y</sub> . Physical Review B, 2002, 66, .	3.2	122
45	Anomalous temperature dependence in the photoemission spectral function of cuprates. Physical Review B, 2002, 65, .	3.2	33
46	Muon spin relaxation studies of incommensurate magnetism and superconductivity in stage-4La <sub>2</sub> CuO <sub>4.11</sub> and La <sub>1.88</sub> Sr <sub>0.12</sub> CuO <sub>4</sub> . Physical Review B, 2002, 66, .	3.2	130
47	Antiferromagnetism, ferromagnetism, and magnetic phase separation in Bi <sub>2</sub> Sr <sub>2</sub> CoO <sub>6+<math>\delta</math></sub> . Physical Review B, 2002, 66, .	3.2	12
48	THE PHYSICS OF SINGLE ELECTRON TRANSISTORS. International Journal of High Speed Electronics and Systems, 2002, 12, 1101-1133.	0.7	6
49	Electronic transport in films of colloidal CdSe nanocrystals. Physical Review B, 2002, 66, .	3.2	143
50	Direct observation of the quantum energy gap in S = $\hat{A}$ <sup>1/2</sup> tetragonal cuprate antiferromagnets. Europhysics Letters, 2001, 54, 508-514.	2.0	9
51	Evidence for activated conduction in a single electron transistor. Journal of Applied Physics, 2001, 89, 410-419.	2.5	28
52	Magnetization measurements of antiferromagnetic domains in Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . Physical Review B, 2001, 63, .	3.2	5
53	Magnetic properties of the S=12 quasi-one-dimensional antiferromagnet CaCu <sub>2</sub> O <sub>3</sub> . Physical Review B, 2001, 63, .	3.2	50
54	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

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55	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
56	Freezing of anisotropic spin clusters in La <sub>1.98</sub> Sr <sub>0.02</sub> CuO <sub>4</sub> . Physical Review B, 2000, 61, 4326-4333.	3.2	34
57	Static and dynamic spin correlations in the spin-glass phase of slightly doped La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Physical Review B, 2000, 62, 9148-9154.	3.2	155
58	Direct observation of a one-dimensional static spin modulation in insulating La <sub>1.95</sub> Sr <sub>0.05</sub> CuO <sub>4</sub> . Physical Review B, 2000, 61, 3699-3706.	3.2	165
59	Frontier Physics with Correlated Electrons. Science, 2000, 288, 437-437.	12.6	15
60	Photoconductivity in CdSe quantum dot solids. Physical Review B, 2000, 62, 2669-2680.	3.2	264
61	Fano resonances in electronic transport through a single-electron transistor. Physical Review B, 2000, 62, 2188-2194.	3.2	400
62	Ordering due to Quantum Fluctuations in Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . Physical Review Letters, 1999, 83, 852-855.	7.8	63
63	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
64	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
65	Quantum Monte Carlo study of weakly coupled spin ladders. Physical Review B, 1999, 60, 3294-3304.	3.2	18
66	X-ray-induced structural transition in La <sub>0.875</sub> Sr <sub>0.125</sub> MnO <sub>3</sub> . Physical Review B, 1999, 59, R6581-R6584.	3.2	48
67	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
68	Instantaneous spin correlations in La <sub>2</sub> CuO <sub>4</sub> . Physical Review B, 1999, 59, 13788-13794.	3.2	68
69	Charge Generation and Transport in CdSe Semiconductor Quantum Dot Solids. Materials Research Society Symposia Proceedings, 1999, 571, 191.	0.1	0
70	Kondo effect in a single-electron transistor. Nature, 1998, 391, 156-159.	27.8	1,983
71	From the Kondo Regime to the Mixed-Valence Regime in a Single-Electron Transistor. Physical Review Letters, 1998, 81, 5225-5228.	7.8	700
72	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

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73	Electrochemistry and staging in $\text{La}_2\text{CuO}_4 + \hat{\gamma}$ . <i>Physical Review B</i> , 1998, 57, 13915-13921.	3.2	26
74	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
75	Insulator-to-quantum-Hall-liquid transition in an antidot lattice. <i>Physical Review B</i> , 1997, 55, 4085-4088.	3.2	18
76	Incommensurate Spin Fluctuations in High-Transition Temperature Superconductors. <i>Science</i> , 1997, 277, 1067-1071.	12.6	186
77	Spatial modulation of low-frequency spin fluctuations in hole-doped $\text{La}_2\text{CuO}_4$ . <i>Journal of Superconductivity and Novel Magnetism</i> , 1997, 10, 343-347.	0.5	21
78	Intercalation and staging behavior in super-oxygenated $\text{La}_2\text{CuO}_4 + \hat{\gamma}$ . <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 100, 535-545.	1.1	88
79	Magnetic-field dependence of the level spacing of a small electron droplet. <i>Physical Review B</i> , 1996, 53, R4221-R4224.	3.2	30
80	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
81	Field-effect conductance of $\text{La}_2\text{CuO}_4$ . <i>Physical Review B</i> , 1995, 51, 648-651.	3.2	6
82	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
83	Exchange Effects in an Artificial Atom at High Magnetic Fields. <i>Physical Review Letters</i> , 1995, 74, 785-788.	7.8	106
84	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
85	Infrared optical excitations in $\text{La}_2\text{NiO}_4$ . <i>Physical Review B</i> , 1995, 52, R9863-R9866.	3.2	33
86	Exchange Effects in Artificial Atoms. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 4369-4372.	1.5	4
87	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
88	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
89	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
90	Crossover from single-level to multilevel transport in artificial atoms. <i>Physical Review B</i> , 1994, 50, 14193-14199.	3.2	50

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91	Midinfrared electroreflectance in $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , 1994, 49, 6246-6251.	3.2	21
92	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
93	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
94	Artificial Atoms. <i>Physics Today</i> , 1993, 46, 24-31.	0.3	832
95	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
96	Mid-infrared optical absorption in undoped lamellar copper oxides. <i>Physical Review Letters</i> , 1993, 71, 1621-1624.	7.8	144
97	Effects of quantum levels on transport through a Coulomb island. <i>Physical Review B</i> , 1993, 47, 10020-10023.	3.2	211
98	N $\ddot{\text{a}}$ el 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
99	Field and Hall effects in semiconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6+\hat{\Gamma}}$ . <i>Physical Review B</i> , 1992, 46, 520-523.	3.2	12
100	Magnetic order, spin correlations, and superconductivity in single-crystal $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4+\hat{\Gamma}}$ . <i>Physical Review B</i> , 1992, 45, 12548-12555.	3.2	76
101	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
102	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
103	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
104	Magnetotransport in multiple narrow silicon inversion channels opened electrostatically into a two-dimensional electron gas. <i>Physical Review B</i> , 1992, 45, 9214-9221.	3.2	27
105	Chemical and electrical properties of interfaces between deposited insulators and $\text{La}_2\text{CuO}_4$ . <i>Journal of Applied Physics</i> , 1992, 71, 1764-1767.	2.5	2
106	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
107	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
108	The single-electron transistor. <i>Reviews of Modern Physics</i> , 1992, 64, 849-858.	45.6	935

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109	Transport spectroscopy of a Coulomb island in the quantum Hall regime. Physical Review Letters, 1991, 66, 1926-1929.	7.8	367
110	Conductance oscillations and transport spectroscopy of a quantum dot. European Physical Journal B, 1991, 85, 357-366.	1.5	46
111	Frequency and magnetic-field dependence of the dielectric constant and conductivity of $\text{La}_2\text{CuO}_{4+y}$ . Physical Review B, 1991, 43, 392-401.	3.2	127
112	Field-effect conductance of $\text{YBa}_2\text{Cu}_3\text{O}_6$ . Journal of Applied Physics, 1991, 69, 4439-4441.	2.5	44
113	Isotropic negative magnetoresistance in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+y}$ . Physical Review B, 1991, 44, 407-410.	3.2	55
114	Scaling Behavior of the Generalized Susceptibility in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+y}$ . Physical Review Letters, 1991, 67, 1930-1933.	7.8	152
115	Three-dimensional magnetic structures and rare-earth magnetic ordering in $\text{Nd}_2\text{CuO}_4$ and $\text{Pr}_2\text{CuO}_4$ . Physical Review B, 1990, 42, 10098-10107.	3.2	217
116	Antiferromagnetic spin correlations in $(\text{Nd},\text{Pr})_{2-x}\text{Ce}_x\text{CuO}_4$ . Physical Review Letters, 1990, 65, 263-266.	7.8	92
117	Single-electron charging and periodic conductance resonances in GaAs nanostructures. Physical Review Letters, 1990, 65, 771-774.	7.8	583
118	Magnetoresistance and the spin-flop transition in single-crystal $\text{La}_2\text{CuO}_{4+y}$ . Physical Review B, 1990, 41, 231-239.	3.2	120
119	Determination of the energy gap for charged excitations in insulating $\text{La}_2\text{CuO}_4$ . Physical Review B, 1990, 42, 10800-10803.	3.2	41
120	Conductance oscillations periodic in the density of one-dimensional electron gases. Physical Review B, 1990, 42, 3523-3536.	3.2	104
121	Spin dynamics in the two-dimensional quantum antiferromagnet $\text{La}_2\text{CuO}_4$ . Physical Review B, 1989, 40, 4557-4565.	3.2	136
122	One-dimensional electron gas in GaAs: Periodic conductance oscillations as a function of density. Physical Review B, 1989, 40, 5871-5874.	3.2	127
123	Kastner et al. reply. Physical Review Letters, 1989, 63, 1894-1894.	7.8	19
124	Conductance Oscillations Periodic in the Density of a One-Dimensional Electron Gas. Physical Review Letters, 1989, 62, 583-586.	7.8	334
125	Temperature dependence of the magnetic excitations in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ ( $T_c=33$ K). Physical Review Letters, 1989, 63, 330-333.	7.8	236
126	Conductivity and Hall coefficient in $\text{La}_2\text{CuO}_{4+y}$ near the insulator-metal transition. Physical Review B, 1989, 39, 11563-11569.	3.2	91



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127	Neutron scattering study of the magnetic excitations in metallic and superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 1989, 40, 4585-4595.	3.2	184
128	Static and dynamic spin fluctuations in superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 1989, 39, 2868-2871.	3.2	177
129	Neutron scattering study of soft optical phonons in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 1989, 39, 4327-4333.	3.2	97
130	Frequency dependence of the conductivity and dielectric constant of $\text{La}_2\text{CuO}_4$ near the insulator-metal transition. <i>Physical Review Letters</i> , 1989, 63, 2307-2310.	7.8	73
131	Quasi-elastic and inelastic neutron-scattering studies of superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>IBM Journal of Research and Development</i> , 1989, 33, 270-276.	3.1	4
132	Magnetic frustration model and superconductivity in doped planar $\text{CuO}_2$ systems. <i>IBM Journal of Research and Development</i> , 1989, 33, 287-292.	3.1	10
133	Magnetic frustration model for superconductivity in planar $\text{CuO}_2$ systems. <i>European Physical Journal B</i> , 1988, 71, 57-62.	1.5	130
134	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
135	Resistivity of nonmetallic $\text{La}_{2-x}\text{Sr}_y\text{Cu}_{1-x}\text{Li}_x\text{O}_4$ single crystals and ceramics. <i>Physical Review B</i> , 1988, 37, 111-117.	3.2	183
136	Anomalous Magnetoresistance of the Electron Gas in a Restricted Geometry. <i>Physical Review Letters</i> , 1988, 60, 2535-2538.	7.8	24
137	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
138	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
139	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
140	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
141	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
142	Lattice instability and soft phonons in single-crystal $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Physical Review B</i> , 1988, 38, 185-194.	3.2	184
143	MAGNETISM AND SUPERCONDUCTIVITY IN DOPED PLANAR $\text{CuO}_2$ SYSTEMS. <i>International Journal of Modern Physics B</i> , 1988, 02, 649-657.	2.0	2
144	Anomalous magnetic properties of triplet excited states in crystalline and amorphous arsenic triselenide. <i>Physical Review B</i> , 1987, 35, 2867-2885.	3.2	13

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145	Time-resolved photoluminescence in amorphous silicon dioxide. <i>Physical Review B</i> , 1987, 35, 2972-2979.	3.2	206
146	Soft-phonon behavior and transport in single-crystal $\text{La}_2\text{CuO}_4$ . <i>Physical Review Letters</i> , 1987, 59, 1329-1332.	7.8	249
147	Long-lived Coulomb gap in a compensated semiconductor—the electron glass. <i>Physical Review Letters</i> , 1987, 59, 1148-1151.	7.8	60
148	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
149	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
150	Exactly exponential band tail in a glassy semiconductor. <i>Physical Review B</i> , 1986, 33, 8881-8884.	3.2	78
151	Transient photoinduced optical absorption spectroscopy in trigonal single-crystal selenium. <i>Physical Review B</i> , 1986, 33, 1073-1075.	3.2	6
152	Aperiodic magnetoresistance oscillations in narrow inversion layers in Si. <i>Physical Review Letters</i> , 1985, 55, 2987-2990.	7.8	150
153	Transient photoluminescence and excited-state optical absorption in trigonal selenium. <i>Physical Review B</i> , 1985, 32, 914-917.	3.2	6
154	Evidence for Thermally Generated Defects in Liquid and Glassy $\text{As}_2\text{Se}_3$ . <i>Physical Review Letters</i> , 1984, 52, 667-670.	7.8	28
155	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
156	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
157	Recombination and excited-state absorption at photoluminescence centres in crystalline and amorphous arsenic triselenide. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1984, 50, 29-51.	0.6	26
158	Transient photoluminescence and photo-induced optical absorption in polymeric and crystalline sulphur. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1984, 50, 373-377.	0.6	8
159	Photoinduced paramagnetic defects in amorphous silicon dioxide. <i>Physical Review B</i> , 1984, 29, 7079-7081.	3.2	101
160	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
161	Time-resolved measurements of photoluminescence in $\text{As}_x\text{S}_{1-x}$ alloy glasses and films evaporated from $\alpha\text{-As}_2\text{S}_3$ . <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1983, 48, 277-288.	0.6	4
162	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

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163	Generalizations of multiple trapping. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1983, 47, 605-620.	0.6	41
164	Higashi and Kastner Respond:. Physical Review Letters, 1982, 48, 650-650.	7.8	4
165	Orenstein and Kastner Respond:. Physical Review Letters, 1982, 48, 1229-1229.	7.8	0
166	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
167	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