

Z D Wang

List of Publications by Year in descending order

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papers

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76031

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times ranked

3729
citing authors

#	ARTICLE	IF	CITATIONS
1	Intertwined Weyl phases emergent from higher-order topology and unconventional Weyl fermions via crystalline symmetry. Npj Quantum Materials, 2022, 7, .	1.8	8
2	Quantum emulation of topological magneto-optical effects using ultracold atoms. Npj Quantum Information, 2022, 8, .	2.8	1
3	Inverse iteration quantum eigensolvers assisted with a continuous variable. Quantum Science and Technology, 2022, 7, 025026.	2.6	3
4	Topological s -wave superconductors driven by electron correlation. Physical Review B, 2021, 103, .	1.1	8
5	Resource conversion between operational coherence and multipartite entanglement in many-body systems. New Journal of Physics, 2021, 23, 043053.	1.2	4
6	Higher-order Weyl superconductors with anisotropic Weyl-point connectivity. Physical Review B, 2021, 103, .	1.1	14
7	Continuous-Variable Assisted Thermal Quantum Simulation. Physical Review Letters, 2021, 127, 020502.	2.9	9
8	Statistically related many-body localization in the one-dimensional anyon Hubbard model. Physical Review B, 2020, 102, .	1.1	7
9	Locking of symmetry breaking and topological phase in an interacting fermionic wire. Physical Review Research, 2020, 2, .	1.3	1
10	Local and global patterns in quasiparticle interference: A reduced response function approach. Physical Review B, 2019, 100, .	1.1	2
11	Realizing quantum linear regression with auxiliary qumodes. Physical Review A, 2019, 99, .	1.0	13
12	Emulating topological currents arising from a dipolar parity anomaly in two-dimensional optical lattices. Physical Review A, 2019, 99, .	1.0	5
13	Detecting competing orders through the edge states in the heterostructures with high- T_c superconductors. Physical Review B, 2019, 99, .		
14	Impurity-induced resonant states in topological nodal-line semimetals. Physical Review B, 2019, 100, .	1.1	5
15	Simulation and Manipulation of Tunable Weyl-Semimetal Bands Using Superconducting Quantum Circuits. Physical Review Letters, 2019, 122, 010501.	2.9	28
16	Chiral magnetic effect in three-dimensional optical lattices. Physical Review Research, 2019, 1, .	1.3	11
17	Implementing universal nonadiabatic holonomic quantum gates with transmons. Physical Review A, 2018, 97, .	1.0	56
18	Generalized Haldane models on laser-coupling optical lattices. Scientific Reports, 2018, 8, 12898.	1.6	3

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19	Photonics meets topology. Optics Express, 2018, 26, 24531.	1.7	99
20	Resolving different pairing states in Weyl superconductors through the single-particle spectrum. Physical Review B, 2018, 98, .	1.1	6
21	Hierarchical-environment-assisted non-Markovian speedup dynamics control. Physical Review A, 2018, 98, .	1.0	26
22	Realizing universal quantum gates with topological bases in quantum-simulated superconducting chains. Npj Quantum Information, 2017, 3, .	2.8	3
23	Realizing and manipulating space-time inversion symmetric topological semimetal bands with superconducting quantum circuits. Npj Quantum Materials, 2017, 2, .	1.8	20
24	Quantum simulation of exotic PT -invariant topological nodal loop bands with ultracold atoms in an optical lattice. Physical Review A, 2016, 93, .	1.0	50
25	Entanglement and measurement-induced nonlocality of mixed maximally entangled states in multipartite dynamics. Physical Review A, 2016, 93, .	1.0	4
26	Superconductivity in doped inversion-symmetric Weyl semimetals. Physical Review B, 2016, 93, .	1.1	40
27	Exotic Haldane superfluid phase of soft-core bosons in optical lattices. Physical Review B, 2016, 93, .	1.1	5
28	Unified Theory of PT and CT Invariant Topological Metals and Nodal Superconductors. Physical Review Letters, 2016, 116, 156402.	2.9	127
29	Novel Topological Metals and Semimetals. Physical Review Letters, 2016, 116, 016401.	2.9	19
30	Simulation and measurement of the fractional particle number in one-dimensional optical lattices. Physical Review A, 2015, 92, .	1.0	19
31	Simulating and exploring Weyl semimetal physics with cold atoms in a two-dimensional optical lattice. Physical Review A, 2015, 92, .	1.0	50
32	Universal holonomic quantum gates in decoherence-free subspace on superconducting circuits. Physical Review A, 2015, 92, .	1.0	109
33	General response theory of topologically stable Fermi points and its implications for disordered cases. Physical Review B, 2015, 92, .	1.1	3
34	Disordered Weyl Semimetals and Their Topological Family. Physical Review Letters, 2015, 114, 206602.	2.9	22
35	Robust interface between flying and topological qubits. Scientific Reports, 2015, 5, 12233.	1.6	20
36	Quantum simulation of topological Majorana bound states and their universal quantum operations using charge-qubit arrays. Physical Review A, 2015, 91, .	1.0	2

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37	High fidelity quantum state transfer in electromechanical systems with intermediate coupling. Scientific Reports, 2015, 4, 6237.	1.6	25
38	Topological quantum phase transitions and edge states in spin-orbital coupled Fermi gases. Scientific Reports, 2015, 4, 5218.	1.6	10
39	Hierarchical monogamy relations for the squared entanglement of formation in multipartite systems. Physical Review A, 2014, 90, .	1.0	34
40	Correlation evolution and monogamy of two geometric quantum discords in multipartite systems. European Physical Journal D, 2014, 68, 1.	0.6	5
41	Topological connection between the stability of Fermi surfaces and topological insulators and superconductors. Physical Review B, 2014, 89, .	1.1	46
42	Exotic topological types of Majorana zero modes and their universal quantum manipulation. Physical Review B, 2014, 90, .	1.1	21
43	General Monogamy Relation for the Entanglement of Formation in Multiqubit Systems. Physical Review Letters, 2014, 113, 100503.	2.9	124
44	Encoding a qubit with Majorana modes in superconducting circuits. Scientific Reports, 2014, 4, 5535.	1.6	40
45	Probing the Superconducting Pairing Symmetry from Spin Excitations in BiS ₂ Based Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2735-2740.	0.8	40
46	Exploring multipartite quantum correlations with the square of quantum discord. Physical Review A, 2013, 88, .	1.0	71
47	Quantitatively probing two-electron entanglement with a spintronic quantum eraser. Physical Review B, 2013, 87, .	1.1	7
48	Single-photon transport in a one-dimensional waveguide coupling to a hybrid atom-optomechanical system. Physical Review A, 2013, 88, .	1.0	32
49	Superfluid and magnetic states of an ultracold Bose gas with synthetic three-dimensional spin-orbit coupling in an optical lattice. Physical Review A, 2013, 88, .	1.0	28
50	Revealing Majorana fermion states in a superfluid of cold atoms subject to a harmonic potential. Physical Review B, 2013, 88, .	1.1	9
51	Tunable interfaces for realizing universal quantum computation with topological qubits. Physical Review A, 2013, 88, .	1.0	21
52	Topological Classification and Stability of Fermi Surfaces. Physical Review Letters, 2013, 110, 240404.	2.9	158
53	Particle-number fractionalization of a one-dimensional atomic Fermi gas with synthetic spin-orbit coupling. Physical Review A, 2012, 86, .	1.0	12
54	Josephson dynamics of a spin-orbit-coupled Bose-Einstein condensate in a double-well potential. Physical Review A, 2012, 85, .	1.0	62

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55	Macroscopic Klein tunneling in spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2012, 85, .	1.0	42
56	A minimum single-band model for low-energy excitations in superconducting $AxFe_2ySe_2$. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	4
57	Fast ground-state cooling of mechanical resonators with time-dependent optical cavities. <i>Physical Review A</i> , 2011, 83, .	1.0	113
58	Implementing multi-qubit entanglement of two-level systems inside a superconducting phase qubit. <i>European Physical Journal D</i> , 2011, 61, 499-505.	0.6	5
59	Optically-driven cooling for collective atomic excitations. <i>European Physical Journal D</i> , 2011, 61, 215-220.	0.6	8
60	Orbital-transverse density-wave instabilities in iron-based superconductors. <i>Europhysics Letters</i> , 2011, 93, 37009.	0.7	3
61	Tunable one-dimensional microwave emissions from cyclic-transition three-level artificial atoms. <i>Physical Review A</i> , 2011, 83, .	1.0	11
62	Electronic structure around a vortex core in iron-based superconductors: Numerical studies of a two-orbital model. <i>Physical Review B</i> , 2011, 84, .	1.1	14
63	Extended JC-Dicke model for two-component atomic BEC inside a cavity. <i>European Physical Journal D</i> , 2010, 58, 379-384.	0.6	12
64	Perfect function transfer in two and three dimensions without initialization. <i>Physical Review A</i> , 2010, 82, .	1.0	5
65	Exploration of nonlocalities in ensembles consisting of bipartite quantum states. <i>Physical Review A</i> , 2010, 81, .	1.0	2
66	Enhanced superconducting proximity effect in strongly correlated heterostructures. <i>Physical Review B</i> , 2010, 82, .	1.1	4
67	Pseudogap and Fermi-arc evolution in the phase-fluctuation scenario. <i>Physical Review B</i> , 2010, 82, .	1.1	13
68	Exploring exotic superfluidity of polarized ultracold fermions in optical lattices. <i>Physical Review B</i> , 2009, 79, .	1.1	31
69	Entanglement monogamy and entanglement evolution in multipartite systems. <i>Physical Review A</i> , 2009, 80, .	1.0	68
70	Evolution equation of entanglement for bipartite systems. <i>Physical Review A</i> , 2009, 79, .	1.0	71
71	Implementing topological quantum manipulation with superconducting circuits. <i>Physical Review A</i> , 2009, 79, .	1.0	20
72	Vortex states in iron-based superconductors with collinear antiferromagnetic cores. <i>Physical Review B</i> , 2009, 80, .	1.1	22

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73	Spin fluctuations, interband coupling and unconventional pairing in iron-based superconductors. <i>New Journal of Physics</i> , 2009, 11, 025009.	1.2	131
74	Impurity states in a family of antiferromagnetic iron arsenides. <i>New Journal of Physics</i> , 2009, 11, 025022.	1.2	5
75	Quantum computation in a decoherence-free subspace with superconducting devices. <i>European Physical Journal D</i> , 2009, 55, 223-228.	0.6	12
76	Physical implementation of topologically decoherence-protected superconducting qubits. <i>Physical Review A</i> , 2008, 77, .	1.0	22
77	Multipartite entanglement in four-qubit cluster-class states. <i>Physical Review A</i> , 2008, 77, .	1.0	42
78	Detecting unambiguously non-Abelian geometric phases with trapped ions. <i>New Journal of Physics</i> , 2008, 10, 043031.	1.2	14
79	A generic two-band model for unconventional superconductivity and spin-density-wave order in electron- and hole-doped iron-based superconductors. <i>Europhysics Letters</i> , 2008, 82, 37007.	0.7	95
80	Realizing and Detecting the Quantum Hall Effect without Landau Levels by Using Ultracold Atoms. <i>Physical Review Letters</i> , 2008, 101, 246810.	2.9	118
81	An Additive and Operational Entanglement Measure: Conditional Entanglement of Mutual Information. <i>Physical Review Letters</i> , 2008, 101, 140501.	2.9	58
82	Quantum state redistribution based on a generalized decoupling. <i>Physical Review A</i> , 2008, 78, .	1.0	21
83	Entanglement in a class of multiqubit mixed states without multipartite tangles. <i>Physical Review A</i> , 2008, 78, .	1.0	20
84	Band structure renormalization and weak pseudogap behavior in $\text{Na}_{0.33}\text{CoO}_2$. Fluctuation exchange study based on a single-band model. <i>Physical Review B</i> , 2007, 76, .	1.1	5
85	Phenomenological theory of spin excitations in La- and Y-based cuprates. <i>Physical Review B</i> , 2007, 76, .	1.1	5
86	Low-frequency chain and in-plane optical conductivities of detwinned $\text{YBa}_2\text{Cu}_3\text{O}_y$: Slave-boson mean-field analysis of the $t\hat{t}^J$ model. <i>Physical Review B</i> , 2007, 75, .	1.1	1
87	Multipartite quantum correlation and entanglement in four-qubit pure states. <i>Physical Review A</i> , 2007, 76, .	1.0	48
88	Doping dependence of the spin resonance peak in bilayer high-Tc superconductors. <i>Physical Review B</i> , 2007, 75, .	1.1	3
89	Implementation of quantum gates based on geometric phases accumulated in the eigenstates of periodic invariant operators. <i>Physical Review A</i> , 2007, 75, .	1.0	16
90	High-energy dispersion anomaly induced by the charge modulation in high-Tc superconductors. <i>Physical Review B</i> , 2007, 75, .	1.1	9

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91	Quantum critical dynamics of a qubit coupled to an isotropic Lipkin-Meshkov-Glick bath. Physical Review A, 2007, 76, .	1.0	32
92	Simple unconventional geometric scenario of one-way quantum computation with superconducting qubits inside a cavity. Physical Review A, 2007, 75, .	1.0	72
93	Thermal entanglement in ferrimagnetic chains. Physical Review A, 2006, 73, .	1.0	49
94	Physical implementation of holonomic quantum computation in decoherence-free subspaces with trapped ions. Physical Review A, 2006, 74, .	1.0	41
95	Scalable quantum computation in decoherence-free subspaces with trapped ions. Physical Review A, 2006, 74, .	1.0	31
96	Quantum criticality in a generalized Dicke model. Physical Review A, 2006, 74, .	1.0	31
97	Experimental implementation of high-fidelity unconventional geometric quantum gates using an NMR interferometer. Physical Review A, 2006, 74, .	1.0	54
98	Extended Hubbard model of superconductivity and charge-density-waves in the layered 2H transition metal dichalcogenides. Physical Review B, 2006, 74, .	1.1	4
99	Theoretical investigation of the quasiparticle dispersion of bilayer high-Tc superconductors. Physical Review B, 2005, 72, .	1.1	9
100	Holonomic quantum computation using rf superconducting quantum interference devices coupled through a microwave cavity. Physical Review A, 2005, 71, .	1.0	70
101	NOVEL VORTEX STRIPE PHASE UNDER STRONG MAGNETIC FIELD IN HIGH TEMPERATURE SUPERCONDUCTORS. International Journal of Modern Physics B, 2005, 19, 9-12.	1.0	1
102	Quantum storage and information transfer with superconducting qubits. Physical Review B, 2005, 72, .	1.1	28
103	Nonadiabatic geometric quantum computation using a single-loop scenario. Physical Review A, 2005, 71, .	1.0	38
104	Geometric Phase in Eigenspace Evolution of Invariant and Adiabatic Action Operators. Physical Review Letters, 2005, 95, 050406.	2.9	7
105	Geometric Quantum Computation and Multiqubit Entanglement with Superconducting Qubits inside a Cavity. Physical Review Letters, 2005, 94, 100502.	2.9	138
106	Vortex State in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$: μ -SR Study of "Wave Versus d _{x²-y² Pairing. Physical Review Letters, 2004, 92, 027004.}	2.9	16
107	Spin-resonance peak in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ superconductors: μ -SR probe of the pairing symmetry. Physical Review B, 2004, 70, .	1.1	10
108	Impurity states in d-wave superconductors with a competing antiferromagnetic interaction. Physical Review B, 2004, 69, .	1.1	3

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109	Impurity and interface bound states in $d_{x^2-y^2}+id_{xy}$ and p_x+ip_y superconductors. Physical Review B, 2004, 69, .	1.1	37
110	The Sign of Vortex Charges in High Temperature Superconductors. Journal of Low Temperature Physics, 2003, 131, 229-238.	0.6	1
111	Unconventional Geometric Quantum Computation. Physical Review Letters, 2003, 91, 187902.	2.9	233
112	Universal quantum gates based on a pair of orthogonal cyclic states: Application to NMR systems. Physical Review A, 2003, 67, .	1.0	79
113	Temperature dependence of vortex charges in high-temperature superconductors. Physical Review B, 2003, 67, .	1.1	10
114	Theory of electric-field-induced metal-insulator transition in doped manganites. Physical Review B, 2003, 67, .	1.1	31
115	Quantum-information processing using Josephson junctions coupled through cavities. Physical Review A, 2003, 68, .	1.0	42
116	The role of the cooperative Jahn-Teller effect in the charge-ordered $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0.5 \leq x \leq 0.87$) manganites. Applied Physics Letters, 2003, 83, 5250-5252.	1.5	30
117	Testing Bell's inequality and measuring the entanglement using superconducting nanocircuits. Physical Review A, 2003, 68, .	1.0	15
118	Postinhibitory rebound delay and weak synchronization in Hodgkin-Huxley neuronal networks. Physical Review E, 2003, 68, 031907.	0.8	10
119	Synchronous Phase Clustering in a Network of Neurons with Spatially Decaying Excitatory Coupling. Journal of the Physical Society of Japan, 2003, 72, 443-447.	0.7	3
120	Transverse resistivity and Hall effect of d -wave superconductors with twin boundaries: Numerical solutions of time-dependent Ginzburg-Landau equations in the presence of thermal noise. Physical Review B, 2002, 66, .	1.1	0
121	Geometric phase shift in quantum computation using superconducting nanocircuits: Nonadiabatic effects. Physical Review A, 2002, 66, .	1.0	50
122	Exact analytical solution of a polariton model: Undetermined coefficient approach. Physical Review A, 2002, 66, .	1.0	3
123	Vortex Charges in High-Temperature Superconductors. Physical Review Letters, 2002, 89, 217001.	2.9	58
124	Interface roughness and proximity effect on ac -axis Josephson junction between s -wave and d -wave superconductors. Physical Review B, 2002, 65, .	1.1	4
125	Intermediate spin state stabilized by the Jahn-Teller distortion in $\text{La}_{1/2}\text{Ba}_{1/2}\text{CoO}_3$. Physical Review B, 2002, 66, .	1.1	16
126	Conductance of a quantum point contact in the presence of spin-orbit interaction. Journal of Applied Physics, 2002, 91, 6545.	1.1	10

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127	Competition between ferromagnetic metallic and paramagnetic insulating phases in manganites. Journal of Applied Physics, 2002, 92, 1406-1410.	1.1	157
128	Charge pumping in a quantum wire driven by a series of local time-periodic potentials. Physical Review B, 2002, 65, .	1.1	36
129	Implementation of Universal Quantum Gates Based on Nonadiabatic Geometric Phases. Physical Review Letters, 2002, 89, 097902.	2.9	287
130	Conductance of a quantum point contact in the presence of a scanning probe microscope tip. Physical Review B, 2002, 65, .	1.1	22
131	Jahn-Teller effect and stability of the charge-ordered state in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0.5 \leq x \leq 0.9$) manganites. Europhysics Letters, 2002, 60, 670-676.	0.7	64
132	Stochastic resonance in a Hodgkin-Huxley neuron in the absence of external noise. Physical Review E, 2001, 64, 021913.	0.8	39
133	SPIN AND ORBITAL PHYSICS IN MANGANITES. International Journal of Modern Physics B, 2001, 15, 2727-2745.	1.0	2
134	Order parameters and current-phase relations in He^{B} Josephson junctions through a porous layer. Physical Review B, 2001, 64, .	1.1	2
135	Hole dispersions in the G- and C-type orbital ordering backgrounds: Doped manganese oxides. Physical Review B, 2000, 62, 3869-3874.	1.1	3
136	Coherence resonance and noise-induced synchronization in globally coupled Hodgkin-Huxley neurons. Physical Review E, 2000, 61, 740-746.	0.8	136
137	Phase separation and charge ordering in doped manganite perovskites: Projection perturbation and mean-field approaches. Physical Review B, 2000, 61, 9532-9541.	1.1	25
138	Landau theory of the phase transitions in half-doped manganites: Interplay of magnetic, charge, and structural order. Physical Review B, 2000, 61, 3192-3195.	1.1	13
139	Information coding via spontaneous oscillations in neural ensembles. Physical Review E, 2000, 62, 1063-1068.	0.8	14
140	Orbital ordering and two ferromagnetic phases in low-doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2000, 62, 5829-5833.	1.1	9
141	Phase diagram of an extended Kondo lattice model for manganites: The Schwinger-boson mean-field approach. Physical Review B, 2000, 61, 1211-1217.	1.1	9
142	Nonadiabatic noncyclic geometric phase of a spin-1/2 particle subject to an arbitrary magnetic field. Physical Review B, 2000, 61, 1142-1148.	1.1	42
143	Nonadiabatic Noncyclic Geometric Phase and Ensemble Average Spectrum of Conductance in Disordered Mesoscopic Rings with Spin-Orbit Coupling. Physical Review Letters, 2000, 85, 1076-1079.	2.9	46
144	GINZBURG-LANDAU THEORY OF MIXED WAVE SUPERCONDUCTORS. International Journal of Modern Physics B, 1999, 13, 3569-3572.	1.0	2

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145	Sign reversal of the mixed-state Hall resistivity in type-II superconductors. <i>Physical Review B</i> , 1999, 60, 3080-3083.	1.1	18
146	Subdominant pairing channels in unconventional superconductors: Ginzburg-Landau theory. <i>Physical Review B</i> , 1999, 60, 15364-15370.	1.1	9
147	Ferromagnetic ground state of an orbital degenerate electronic model for transition-metal oxides: Exact solution and physical mechanism. <i>Physical Review B</i> , 1999, 59, 3291-3294.	1.1	3
148	Effective Hamiltonian for an extended Kondo-lattice model and a possible origin of charge ordering in half-doped manganites. <i>Physical Review B</i> , 1999, 59, 14484-14488.	1.1	9
149	Quantum waveguide theory of serial stub structures. <i>Journal of Applied Physics</i> , 1999, 85, 1597-1608.	1.1	29
150	Symmetry origin of the phase transitions and phase separation in manganites at low doping. <i>Physical Review B</i> , 1999, 60, 11883-11886.	1.1	8
151	Berry phase and its induced charge and spin currents in a ring of a double-exchange system. <i>Physical Review B</i> , 1999, 60, 14549-14552.	1.1	0
152	Vortex structure for $d+is$ -wave superconductor. <i>Physical Review B</i> , 1999, 59, 613-618.	1.1	16
153	Nonadiabatic noncyclic geometric phase and persistent current in one-dimensional rings. <i>Physical Review B</i> , 1999, 60, 10668-10671.	1.1	6
154	Ferromagnetism, Dimerization, Charge and Spin Density Waves in Quasi-One-Dimensional Organic Polymers: Self-Consistent Mean Field Theory. <i>International Journal of Modern Physics B</i> , 1998, 12, 2031-2044.	1.0	3
155	Antiferromagnetism and phase separation in electronic models for doped transition-metal oxides. <i>Physical Review B</i> , 1998, 58, R8877-R8880.	1.1	47
156	Firing and signal transduction associated with an intrinsic oscillation in neuronal systems. <i>Physical Review E</i> , 1998, 57, R2527-R2530.	0.8	41
157	Dynamics of time-reversal-symmetry-breaking vortices in unconventional superconductors. <i>Physical Review B</i> , 1998, 57, R724-R727.	1.1	10
158	Dynamical mean-field solution for a model of metal-insulator transitions in moderately doped manganites. <i>Physical Review B</i> , 1998, 58, 15310-15313.	1.1	8
159	Spin-flip effects on the current-in-plane magnetotransport in magnetic multilayers with arbitrary magnetization alignments. <i>Physical Review B</i> , 1998, 58, 11142-11145.	1.1	3
160	Conductance oscillation of a mesoscopic normal metal spanning unconventional and conventional superconductors. <i>Physical Review B</i> , 1997, 56, 14822-14826.	1.1	2
161	Magnetic scattering effects on quantum transport in a normal-metal-superconductor junction. <i>Physical Review B</i> , 1997, 55, 8437-8444.	1.1	6
162	Persistent currents in mesoscopic Fibonacci rings. <i>Physical Review B</i> , 1997, 55, 9302-9305.	1.1	27

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163	Quantum transport of vortices in a weakly dissipative ring threaded by an Aharonov-Casher flux: A tight-binding model. <i>Physical Review B</i> , 1997, 56, R11411-R11414.	1.1	0
164	Internal-noise-enhanced signal transduction in neuronal systems. <i>Physical Review E</i> , 1997, 55, 7379-7384.	0.8	33
165	Are Self-Similar States in Fibonacci Systems Transparent?. <i>Physical Review Letters</i> , 1997, 79, 5298-5298.	2.9	11
166	40-Hz coherent oscillations in neuronal systems. <i>Physical Review E</i> , 1997, 56, 3728-3731.	0.8	36
167	Mixed (s+id)-wave order parameters in the Van Hove scenario. <i>Physical Review B</i> , 1997, 55, 3181-3185.	1.1	32
168	Quasiclassical approach to magnetotransport in magnetic inhomogeneous systems. <i>Physical Review B</i> , 1997, 55, 5908-5913.	1.1	34
169	Orientational phase transition in molecular monolayer on an air-water interface. <i>Journal of Chemical Physics</i> , 1997, 106, 6171-6175.	1.2	11
170	Tunneling Magnetoresistance in Ferromagnet/Insulator/Ferromagnet Junctions. <i>International Journal of Modern Physics B</i> , 1997, 11, 3375-3384.	1.0	4
171	Nonadiabatic geometric phase in a textured mesoscopic ring subject to a crown-like magnetic field. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 102, 153-155.	1.1	5
172	Spontaneous magnetic flux in disordered mesoscopic rings with interacting electrons: Monte Carlo simulations. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 102, 277-281.	1.1	1
173	Spin density wave and ferromagnetism in a quasi-one-dimensional organic polymer. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 27-32.	1.1	4
174	Aharonov-Casher effect for fluxons in a superconducting ring with weak dissipation. <i>European Physical Journal D</i> , 1996, 46, 2381-2382.	0.4	0
175	Aharonov-Anandan phase in a textured mesoscopic ring connected to current leads at extremely low temperatures. <i>European Physical Journal D</i> , 1996, 46, 2389-2390.	0.4	0
176	Persistent current in mesoscopic semiconductor rings at extremely low temperatures: a two-band model. <i>European Physical Journal D</i> , 1996, 46, 2423-2424.	0.4	2
177	Josephson current in a clean superconductor normal-metal superconductor junction. <i>European Physical Journal D</i> , 1996, 46, 565-566.	0.4	0
178	Washboard effect of the moving vortex lattice in high-T _c superconductors: numerical simulation. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 100, 547-550.	1.1	1
179	Supercurrent and quasiparticle interference between two-wave superconductors coupled by a normal metal or insulator. <i>Physical Review B</i> , 1996, 54, 12509-12516.	1.1	14
180	Topological effects associated with fractional statistics in one-dimensional mesoscopic rings. <i>Physical Review A</i> , 1996, 53, 600-603.	1.0	34

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181	Semiclassical transport theory of inhomogeneous systems. Physical Review B, 1996, 53, 8203-8206.	1.1	12
182	Correlation effects on electronic and optical properties of a C ₆₀ molecule: A variational Monte Carlo study. Physical Review B, 1996, 54, 13611-13615.	1.1	3
183	Resonant tunneling of holes in double-barrier structures in the presence of an in-plane magnetic field. Journal of Applied Physics, 1996, 80, 2291-2295.	1.1	2
184	Macroscopic theory of giant magnetoresistance in magnetic granular metals. Physical Review B, 1996, 53, 11685-11691.	1.1	31
185	Bound states and Josephson current in mesoscopic-wave superconductor-normal-metal-d-wave superconductor junctions. Physical Review B, 1996, 54, 7354-7359.	1.1	21
186	Electromagnetic and thermomagnetic properties of high- T_c superconductor in its mixed state: the single-vortex-motion model. Superconductor Science and Technology, 1996, 9, 333-346.	1.8	11
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