

# Shun-Qing Shen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201  
papers

8,480  
citations

44  
h-index

88  
g-index

212  
ext. papers

9,619  
ext. citations

3.6  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
201	Bulk-hinge correspondence and three-dimensional quantum anomalous Hall effect in second-order topological insulators. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	1
200	Dirac Polarons and Resistivity Anomaly in ZrTe <sub>5</sub> and HfTe <sub>5</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 125, 256601	7.4	4
199	Quantum magnetotransport in massive Dirac materials. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	1
198	Anomalous Temperature Dependence of Quantum Correction to the Conductivity of Magnetic Topological Insulators. <i>Physical Review Letters</i> , <b>2020</b> , 124, 206603	7.4	2
197	Topological Phase Transitions in Disordered Electric Quadrupole Insulators. <i>Physical Review Letters</i> , <b>2020</b> , 125, 166801	7.4	16
196	Quantum Interference Theory of Magnetoresistance in Dirac Materials. <i>Physical Review Letters</i> , <b>2019</b> , 122, 246601	7.4	10
195	Majorana-Josephson interferometer. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
194	Towards the manipulation of topological states of matter: a perspective from electron transport. <i>Science Bulletin</i> , <b>2018</b> , 63, 580-594	10.6	13
193	Hidden edge Dirac point and robust quantum edge transport in InAs/GaSb quantum wells. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	10
192	Intrinsic magnetoresistance in three-dimensional Dirac materials with low carrier density. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	11
191	Newton's second law in spin-orbit torque. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 395301	1.8	
190	Giant anisotropic magnetoresistance and planar Hall effect in the Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	70
189	Topological crystalline antiferromagnetic state in tetragonal FeS. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	10
188	Topological Dirac and Weyl Semimetals. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 207-229	0.4	2
187	Quantum Anomalous Hall Effect and Quantum Spin Hall Effect. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 91-123	0.4	
186	Majorana Fermions in Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 189-206	0.4	0
185	Topological Anderson Insulator. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 231-241	0.4	

184	Starting from the Dirac Equation. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 17-32	0.4	1
183	Minimal Lattice Model for Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 33-50	0.4	
182	Topological Invariants. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 51-79	0.4	1
181	Topological Phases in One Dimension. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 81-90	0.4	
180	Three-Dimensional Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 125-152	0.4	
179	Impurities and Defects in Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 153-171	0.4	
178	Chiral anomaly and anomalous finite-size conductivity in graphene. <i>2D Materials</i> , <b>2017</b> , 4, 035014	5.9	1
177	Topological responses from chiral anomaly in multi-Weyl semimetals. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	48
176	Renormalization group approach to stability of two-dimensional interacting type-II Dirac fermions. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	6
175	Quantum transport in topological semimetals under magnetic fields. <i>Frontiers of Physics</i> , <b>2017</b> , 12, 1	3.7	78
174	Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> ,	0.4	52
173	Hydrostatic pressure induced three-dimensional Dirac semimetal in black phosphorus. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	39
172	Enhanced current noise correlations in a Coulomb-Majorana device. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	10
171	Detecting monopole charge in Weyl semimetals via quantum interference transport. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	31
170	Signatures of the Adler-Bell-Jackiw chiral anomaly in a Weyl fermion semimetal. <i>Nature Communications</i> , <b>2016</b> , 7, 10735	17.4	455
169	Negative magnetoresistance in Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 10301	17.4	289
168	Linear magnetoconductivity in an intrinsic topological Weyl semimetal. <i>New Journal of Physics</i> , <b>2016</b> , 18, 053039	2.9	54
167	Disorder-induced topological phase transitions in two-dimensional spin-orbit coupled superconductors. <i>Scientific Reports</i> , <b>2016</b> , 6, 39188	4.9	10

166	Weak antilocalization and interaction-induced localization of Dirac and Weyl Fermions in topological insulators and semimetals. <i>Chinese Physics B</i> , <b>2016</b> , 25, 117202	1.2	13
165	Anomalous Phase Shift of Quantum Oscillations in 3D Topological Semimetals. <i>Physical Review Letters</i> , <b>2016</b> , 117, 077201	7.4	68
164	Complete phase diagram and topological properties of interacting bosons in one-dimensional superlattices. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	12
163	Weak antilocalization and localization in disordered and interacting Weyl semimetals. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	75
162	High-field magnetoconductivity of topological semimetals with short-range potential. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	83
161	Topological superconducting states in monolayer FeSe/SrTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	24
160	Edge states and integer quantum Hall effect in topological insulator thin films. <i>Scientific Reports</i> , <b>2015</b> , 5, 13277	4.9	27
159	Electrically tunable in-plane anisotropic magnetoresistance in topological insulator BiSbTeSe <sub>2</sub> nanodevices. <i>Nano Letters</i> , <b>2015</b> , 15, 2061-6	11.5	46
158	Photonic simulation of topological excitations in metamaterials. <i>Scientific Reports</i> , <b>2014</b> , 4, 3842	4.9	52
157	Finite-temperature conductivity and magnetoconductivity of topological insulators. <i>Physical Review Letters</i> , <b>2014</b> , 112, 146601	7.4	79
156	Current noise cross correlation mediated by Majorana bound states. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	24
155	Robustness of quantum spin Hall effect in an external magnetic field. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	24
154	Tunable interaction-induced localization of surface electrons in antidot nanostructured Bi <sub>2</sub> Te <sub>3</sub> thin films. <i>ACS Nano</i> , <b>2014</b> , 8, 9616-21	16.7	24
153	Weak localization and weak anti-localization in topological insulators <b>2014</b> ,		25
152	The family of topological phases in condensed matter <i>National Science Review</i> , <b>2014</b> , 1, 49-59	10.8	5
151	Dimensional evolution between one- and two-dimensional topological phases. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	13
150	Effect of interactions on two-dimensional Dirac fermions. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	26
149	Finite-size scaling of entanglement entropy at the Anderson transition with interactions. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	15

148	Quantum transport in magnetic topological insulator thin films. <i>Physical Review Letters</i> , <b>2013</b> , 111, 146802	4.0	47
147	Impurity influence in quantum spin Hall transport. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	10
146	Experimental evidences of topological surface states of $\text{HgTe}$ . <i>AIP Advances</i> , <b>2013</b> , 3, 032123	1.5	31
145	Algebraic and geometric mean density of states in topological Anderson insulators. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	12
144	One-dimensional interacting topological insulator. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 387-388		
143	Intervalley scattering and localization behaviors of spin-valley coupled Dirac fermions. <i>Physical Review Letters</i> , <b>2013</b> , 110, 016806	7.4	112
142	Quantum impurity in the bulk of a topological insulator. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	13
141	Particle-hole bound states of dipolar molecules in an optical lattice. <i>Chinese Physics B</i> , <b>2013</b> , 22, 090501	1.2	3
140	Extrinsic anomalous Hall conductivity of a topologically nontrivial conduction band. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	10
139	Indications of surface-dominated transport in single crystalline nanoflake devices of topological insulator $\text{Bi}_{1.5}\text{Sb}_{0.5}\text{Te}_{1.8}\text{Se}_{1.2}$ . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	99
138	EFFECT OF INTERACTION IN ONE-DIMENSIONAL TOPOLOGICAL INSULATOR. <i>International Journal of Modern Physics B</i> , <b>2013</b> , 27, 1361001	1.1	
137	Spin-orbit scattering in quantum diffusion of massive Dirac fermions. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	22
136	Starting from the Dirac Equation. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 13-27	0.4	1
135	Minimal Lattice Model for Topological Insulator. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 29-45	0.4	
134	Topological Invariants. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 47-73	0.4	1
133	Topological Phases in One Dimension. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 75-84	0.4	
132	Quantum Spin Hall Effect. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 85-112	0.4	
131	Three-Dimensional Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 113-139	0.4	

130	Impurities and Defects in Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 141-158	0.4	
129	Majorana Fermions in Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 173-190	0.4	
128	Topological Anderson Insulator. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 191-201	0.4	
127	Anomalous anisotropic magnetoresistance in topological insulator films. <i>Nano Research</i> , <b>2012</b> , 5, 739-746	0.4	59
126	Fractional topological phase in one-dimensional flat bands with nontrivial topology. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	33
125	Quantum percolation in quantum spin Hall antidot systems. <i>Europhysics Letters</i> , <b>2012</b> , 100, 17013	1.6	14
124	Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> ,	0.4	348
123	Localization and mobility gap in the topological Anderson insulator. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	38
122	Quantum anomalous Hall effect in a flat band ferromagnet. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	39
121	Nonlocal noise cross correlation mediated by entangled Majorana fermions. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	39
120	Theory of magnetoelectric photocurrent generated by direct interband transitions in a semiconductor quantum well. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	3
119	Dephasing effect on transport of a graphene p-n junction in a quantum Hall regime. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 495301	1.8	12
118	Surface edge state and half-quantized Hall conductance in topological insulators. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	54
117	Topological phase in a one-dimensional interacting fermion system. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	40
116	Nearly noninvasive readout and manipulation of spin in double quantum dot using spin bias. <i>European Physical Journal B</i> , <b>2011</b> , 83, 69-75	1.2	
115	Vacancy-induced bound states in topological insulators. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	46
114	Surface and edge states in topological semimetals. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	30
113	Impurity effect on weak antilocalization in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 106, 166805	7.4	356

112	Competition between weak localization and antilocalization in topological surface states. <i>Physical Review Letters</i> , <b>2011</b> , 107, 076801	7.4	226
111	Quadratic magnetic field dependence of magnetoelectric photocurrent. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	1
110	Weak localization of bulk channels in topological insulator thin films. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	153
109	Quantum spin Hall effect induced by nonmagnetic and magnetic staggered potentials. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	26
108	TOPOLOGICAL INSULATOR AND THE DIRAC EQUATION. <i>Spin</i> , <b>2011</b> , 01, 33-44	1.3	83
107	Crossover from Majorana edge- to end-states in quasi-one-dimensional p-wave superconductors. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	30
106	Non-magnetic impurities and in-gap bound states in topological insulators. <i>New Journal of Physics</i> , <b>2011</b> , 13, 103016	2.9	31
105	Crossover of the three-dimensional topological insulator Bi <sub>2</sub> Se <sub>3</sub> to the two-dimensional limit. <i>Nature Physics</i> , <b>2010</b> , 6, 584-588	16.2	1048
104	Propagation of sound and supersonic bright solitons in superfluid Fermi gases in BCS-BEC crossover. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	36
103	Electric-field modulation of the number of helical edge states in thin-film semiconductors. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	10
102	Electronic transport through a graphene-based ferromagnetic/normal/ferromagnetic junction. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 035301	1.8	23
101	Massive Dirac fermions and spin physics in an ultrathin film of topological insulator. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	427
100	Magnetoelectric photocurrent generated by direct interband transitions in InGaAs/InAlAs two-dimensional electron gas. <i>Physical Review Letters</i> , <b>2010</b> , 104, 246601	7.4	10
99	Effective continuous model for surface states and thin films of three-dimensional topological insulators. <i>New Journal of Physics</i> , <b>2010</b> , 12, 043048	2.9	252
98	Spin-bias driven magnetization reversal and nondestructive detection in a single molecular magnet. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	52
97	Spin relaxation in submonolayer and monolayer InAs structures grown in a GaAs matrix. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	4
96	Detecting and switching magnetization of Stoner nanograin in nonlocal spin valve. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	7
95	Disorder effect of resonant spin Hall effect in a tilted magnetic field. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	7

94	Fermionic representation of a symmetrically frustrated SU(3) model: Application to the Haldane-gap antiferromagnets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2009</b> , 373, 3075-3078	2.3	2
93	Topological Anderson insulator. <i>Physical Review Letters</i> , <b>2009</b> , 102, 136806	7.4	307
92	Coherent oscillations and giant edge magnetoresistance in singly connected topological insulators. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	30
91	Incommensurate phase of a triangular frustrated Heisenberg model studied via Schwinger-boson mean-field theory. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 326005	1.8	4
90	Finite size effects on helical edge states in a quantum spin-Hall system. <i>Physical Review Letters</i> , <b>2008</b> , 101, 246807	7.4	340
89	SPIN TRANSVERSE FORCE AND QUANTUM TRANSVERSE TRANSPORT. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 76-81	1.1	1
88	THEORY OF RESONANT SPIN HALL EFFECT. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 94-103	1.1	8
87	Current-induced spin polarization in a two-dimensional hole gas. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	15
86	Using spin bias to manipulate and measure spin in quantum dots. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	37
85	Double quantum dot as detector of spin bias. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	45
84	Disorder effects in the quantum Hall effect of graphene p-n junctions. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	39
83	Topological quantum phase transition and the Berry phase near the Fermi surface in hole-doped quantum wells. <i>Europhysics Letters</i> , <b>2007</b> , 79, 47010	1.6	12
82	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies of CuCr <sub>2</sub> Se <sub>4</sub> Br <sub>x</sub> . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	25
81	Spin-current-induced charge accumulation and electric current in semiconductor nanostructures with Rashba spin-orbit coupling. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	25
80	Shen replies:. <i>Physical Review Letters</i> , <b>2007</b> , 99,	7.4	2
79	Observation of electric current induced by optically injected spin current. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 242115	3.4	40
78	Electric-field-induced resonant spin polarization in a two-dimensional electron gas. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	11
77	Kagome antiferromagnet: A Schwinger-boson mean-field theory study. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	6



76	Magnetic quantum phase transition of cold atoms in an optical lattice. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	53
75	Deduction of pure spin current from the linear and circular spin photogalvanic effect in semiconductor quantum wells. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	26
74	SU(3) bosons and the spin nematic state on the spin-1 bilinear-biquadratic triangular lattice. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	38
73	Ground state tunneling and staircase hysteresis loop in molecular magnet Mn <sub>12</sub> acetate. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 299, 376-382	2.8	3
72	Spin transverse force and intrinsic quantum transverse transport. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	29
71	Transverse electric current induced by optically injected spin current in a cross-shaped InGaAs/AlAs system. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 162105	3.4	24
70	Spin-Hall effect: Back to the beginning at a higher level. <i>Solid State Communications</i> , <b>2006</b> , 138, 214-217	1.6	55
69	Spin transverse force on spin current in an electric field. <i>Physical Review Letters</i> , <b>2005</b> , 95, 187203	7.4	113
68	Spin and orbital valence bond solids in a one-dimensional spin-orbital system: Schwinger boson mean-field theory. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	6
67	Resonant spin Hall conductance in quantum Hall systems lacking bulk and structural inversion symmetry. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	46
66	Spin-resolved Hall effect driven by spin-orbit coupling. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	52
65	Edge spin current and spin polarization in quantum Hall regime. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	13
64	Quantum dynamics of a vortex in a Josephson junction. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	8
63	Contractor renormalization group theory of SU(N) chains and ladders. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	4
62	Charge Hall effect driven by spin-dependent chemical potential gradients and Onsager relations in mesoscopic systems. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	64
61	Controllable quantum spin precession by Aharonov-Časher phase in a conducting ring. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 996-998	3.4	48
60	Influences of spin accumulation on the intrinsic spin Hall effect in two-dimensional electron gases with Rashba spin-orbit coupling. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	23
59	Effects of spin imbalance on the electric-field-driven quantum dissipationless spin current in p-doped semiconductors. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	21

58	Conductance modulations in spin field-effect transistors under finite bias voltages. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	13
57	Charge ordering and phase separation in the infinite dimensional extended Hubbard model. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	19
56	Quantum-classical crossover for biaxial antiferromagnetic particles with a magnetic field along the hard axis. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	4
55	Spintronic Faraday rotation spectroscopy and geometrical modulation of spin current in an Aharonov-Casher ring. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	1
54	Multiqubit maximally entangled states in the NMR model. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	4
53	STATE EVOLUTION AND INFORMATION PROCESSING IN Mn12 QUANTUM MAGNET. <i>International Journal of Modern Physics B</i> , <b>2004</b> , 18, 2401-2408	1.1	1
52	Calculation of tunnel splitting in a biaxial spin particle with an applied magnetic field. <i>European Physical Journal B</i> , <b>2004</b> , 40, 87-92	1.2	1
51	Resonant spin Hall conductance in two-dimensional electron systems with a Rashba interaction in a perpendicular magnetic field. <i>Physical Review Letters</i> , <b>2004</b> , 92, 256603	7-4	142
50	Spin Hall effect and Berry phase in two-dimensional electron gas. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	148
49	Two-dimensional gapless spin liquids in frustrated SU(N) quantum magnets. <i>New Journal of Physics</i> , <b>2004</b> , 6, 160-160	2.9	22
48	Spin current in the Kondo lattice model. <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	6
47	Quantum-classical transition of the escape rate of uniaxial antiferromagnetic particles in an arbitrarily directed field. <i>Physical Review B</i> , <b>2003</b> , 68,	3-3	3
46	Influence of spin transfer and contact resistance on measurement of the spin Hall effect. <i>Physical Review B</i> , <b>2003</b> , 68,	3-3	35
45	Quantum tunneling of two coupled single-molecular magnets. <i>Physical Review B</i> , <b>2003</b> , 68,	3-3	14
44	Nonexponential relaxation and quantum tunnel splitting in the molecular magnet Fe8. <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	10
43	Coulomb interaction in the spin Hall effect. <i>Physical Review B</i> , <b>2003</b> , 68,	3-3	14
42	Current-induced effect on the resistivity of epitaxial thin films of La0.7Ca0.3MnO3 and La0.85Ba0.15MnO3. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 4732-4734	3-4	106
41	High spin systems with orbital degeneracy. <i>Physical Review Letters</i> , <b>2002</b> , 88, 027201	7-4	19

40	SU(4) spin-orbital two-leg ladder, square, and triangle lattices. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	6
39	Suppression of quantum phase interference in the molecular magnet Fe8 with dipolar-dipolar interaction. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	8
38	Quantum computing of molecular magnet Mn12. <i>Physical Review A</i> , <b>2002</b> , 66,	2.6	42
37	Antiferromagnetic Heisenberg model on an anisotropic triangular lattice in the presence of a magnetic field. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	15
36	Formation of energy gap in high-dimensional spin-orbital liquids. <i>Europhysics Letters</i> , <b>2002</b> , 57, 274-280	1.6	7
35	Magnetic, charge and orbital orderings in manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 757-762	2.8	1
34	LOW TEMPERATURE PROPERTIES OF THE MOTT-HUBBARD TRANSITION. <i>Modern Physics Letters B</i> , <b>2001</b> , 15, 1249-1258	1.6	2
33	Coulomb interaction and instability of CE-type structure in half-doped manganites. <i>Physical Review Letters</i> , <b>2001</b> , 86, 5842-3	7.4	13
32	Percolative conductivity and critical exponents in mixed-valent manganites. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	15
31	Generalized valence bond state and solvable models for spin-12 systems with orbital degeneracy. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	9
30	Mott-Hubbard transition in infinite dimensions. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	28
29	Ordered valence-bond states in symmetric two-dimensional spin-orbital systems. <i>Physical Review Letters</i> , <b>2001</b> , 87, 157201	7.4	19
28	Spin and orbital excitations in undoped manganites. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 5300-5304	2.5	1
27	Hole dispersions in the G- and C-type orbital ordering backgrounds: Doped manganese oxides. <i>Physical Review B</i> , <b>2000</b> , 62, 3869-3874	3.3	3
26	Phase separation and charge ordering in doped manganite perovskites: Projection perturbation and mean-field approaches. <i>Physical Review B</i> , <b>2000</b> , 61, 9532-9541	3.3	25
25	Antiferromagnetism in the S=12 antiferromagnetic Heisenberg model on a two-dimensional square lattice. <i>Physical Review B</i> , <b>2000</b> , 62, 13824-13827	3.3	
24	Orbital ordering and two ferromagnetic phases in low-doped La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2000</b> , 62, 5829-5833	3.3	9
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19	Berry phase and its induced charge and spin currents in a ring of a double-exchange system. <i>Physical Review B</i> , <b>1999</b> , 60, 14549-14552	3-3	
18	Comment on Lagrange-multiplier method in correlated-electron systems: Exact diagonalization study. <i>Physical Review B</i> , <b>1999</b> , 59, 12689-12691	3-3	
17	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> , <b>1998</b> , 12, 2031-2044	1-1	3
16	Antiferromagnetism and phase separation in electronic models for doped transition-metal oxides. <i>Physical Review B</i> , <b>1998</b> , 58, R8877-R8880	3-3	44
15	Exact ground state in an orbitally degenerate Hubbard model. <i>Physical Review B</i> , <b>1998</b> , 57, 6474-6478	3-3	18
14	Strongly Correlated Electron Systems: Spin-Reflection Positivity and Some Rigorous Results. <i>International Journal of Modern Physics B</i> , <b>1998</b> , 12, 709-779	1-1	37
13	Lagrange Method in Reflection Positivity in the Spin Space. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1781-1781	7-4	2
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11	Spiral state and persistent spin current in a system with strong Hund coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1997</b> , 235, 403-407	2-3	10
10	Pseudospin symmetry, Peierls instability, and charge-density wave. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 230-232, 1061-1063	2-8	1
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8	Oscillatory interlayer magnetic coupling in magnetic sandwiches and superlattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1996</b> , 210, 135-140	2-3	3
7	Applications of reflection positivity in strongly correlated electron systems. <i>Physical Review B</i> , <b>1996</b> , 54, 4397-4400	3-3	5
6	Theorem on pseudospin and eta -pairing superconductivity. <i>Physical Review B</i> , <b>1996</b> , 54, 9039-9042	3-3	3
5	Total spin and antiferromagnetic correlation in the Kondo model. <i>Physical Review B</i> , <b>1996</b> , 53, 14252-14261	3-3	22

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| 4 | Oscillatory total spin in ferromagnet/metal(or insulator)/ferromagnet sandwich structures. <i>Physical Review B</i> , <b>1996</b> , 53, 14298-14302       | 3.3 | 2  |
| 3 | Ferrimagnetic long-range order of the Hubbard model. <i>Physical Review Letters</i> , <b>1994</b> , 72, 1280-1282   | 7.4 | 66 |
| 2 | Relation between pseudospin-rotation invariance and a supersolid. <i>Physical Review B</i> , <b>1994</b> , 50, 16086-16089                                | 9.9 | 14 |
| 1 | Exact demonstration of off-diagonal long-range order in the ground state of a Hubbard model. <i>Physical Review Letters</i> , <b>1993</b> , 71, 4238-4240 | 7.4 | 49 |