Shun-Qing Shen

List of Publications by Year
in descending order

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203 papers	10,433 citations	43973 48 h-index	34900 98 g-index
212 all docs	212 docs citations	212 times ranked	7502 citing authors

#	Article	IF	Citations
1	Crossover of the three-dimensional topological insulator Bi2Se3 to the two-dimensional limit. Nature Physics, 2010, 6, 584-588.	6.5	1,227
2	Signatures of the Adlerâ€“Bellâ€“Jackiw chiral anomaly in a Weyl fermion semimetal. Nature Communications, 2016, 7, 10735.	5.8	603
3	Massive Dirac fermions and spin physics in an ultrathin film of topological insulator. Physical Review B, 2010, 81, .	1.1	511
4	Topological Insulators. Springer Series in Solid-state Sciences, 2012, , .	0.3	441
5	Topological Anderson Insulator. Physical Review Letters, 2009, 102, 136806.	2.9	406
6	Finite Size Effects on Helical Edge States in a Quantum Spin-Hall System. Physical Review Letters, 2008, 101, 246807.	2.9	405
7	Impurity Effect on Weak Antilocalization in the Topological Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Te</mml:mi><mml:m Physical Review Letters, 2011, 106, 166805.	2.9	404
8	Negative magnetoresistance in Dirac semimetal Cd3As2. Nature Communications, 2016, 7, 10301.	5.8	376
9	Effective continuous model for surface states and thin films of three-dimensional topological insulators. New Journal of Physics, 2010, 12, 043048.	1.2	323
10	Competition between Weak Localization and Antilocalization in Topological Surface States. Physical Review Letters, 2011, 107, 076801.	2.9	267
11	Weak localization of bulk channels in topological insulator thin films. Physical Review B, 2011, 84, .	1.1	180
12	Spin Hall effect and Berry phase in two-dimensional electron gas. Physical Review B, 2004, 70, .	1.1	160
13	Intervalley Scattering and Localization Behaviors of Spin-Valley Coupled Dirac Fermions. Physical Review Letters, 2013, 110, 016806.	2.9	152
14	Resonant Spin Hall Conductance in Two-Dimensional Electron Systems with a Rashba Interaction in a Perpendicular Magnetic Field. Physical Review Letters, 2004, 92, 256603.	2.9	148
15	Spin Transverse Force on Spin Current in an Electric Field. Physical Review Letters, 2005, 95, 187203.	2.9	135
16	Indications of surface-dominated transport in single crystalline nanoflake devices of topological insulator Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.5</mml:mn></mml:mrow></mml:msub></mml:math>Sb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>Te<mml:math xmlns:mml	1.1	120
17	Current-induced effect on the resistivity of epitaxial thin films of La0.7Ca0.3MnO3 and La0.85Ba0.15MnO3. Applied Physics Letters, 2003, 82, 4732-4734.	1.5	115
18	High-field magnetoconductivity of topological semimetals with short-range potential. Physical Review B, 2015, 92, .	1.1	112

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19	TOPOLOGICAL INSULATOR AND THE DIRAC EQUATION. Spin, 2011, 01, 33-44.	0.6	110
20	Quantum transport in topological semimetals under magnetic fields. Frontiers of Physics, 2017, 12, 1.	2.4	110
21	Weak antilocalization and localization in disordered and interacting Weyl semimetals. Physical Review B, 2015, 92, .	1.1	108
22	Topological Insulators. Springer Series in Solid-state Sciences, 2017, , .	0.3	106
23	Finite-Temperature Conductivity and Magnetoconductivity of Topological Insulators. Physical Review Letters, 2014, 112, 146601.	2.9	104
24	Giant anisotropic magnetoresistance and planar Hall effect in the Dirac semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cd</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml: Physical Review B, 2018, 97, .	1.1	103
25	Anomalous Phase Shift of Quantum Oscillations in 3D Topological Semimetals. Physical Review Letters, 2016, 117, 077201.	2.9	89
26	Surface edge state and half-quantized Hall conductance in topological insulators. Physical Review B, 2011, 84, .	1.1	82
27	Charge Hall effect driven by spin-dependent chemical potential gradients and Onsager relations in mesoscopic systems. Physical Review B, 2005, 72, .	1.1	78
28	Ferrimagnetic long-range order of the Hubbard model. Physical Review Letters, 1994, 72, 1280-1282.	2.9	73
29	Linear magnetoconductivity in an intrinsic topological Weyl semimetal. New Journal of Physics, 2016, 18, 053039.	1.2	72
30	Anomalous anisotropic magnetoresistance in topological insulator films. Nano Research, 2012, 5, 739-746.	5.8	71
31	Photonic simulation of topological excitations in metamaterials. Scientific Reports, 2014, 4, 3842.	1.6	71
32	Topological responses from chiral anomaly in multi-Weyl semimetals. Physical Review B, 2017, 96, .	1.1	64
33	Topological Phase Transitions in Disordered Electric Quadrupole Insulators. Physical Review Letters, 2020, 125, 166801.	2.9	63
34	Quantum Transport in Magnetic Topological Insulator Thin Films. Physical Review Letters, 2013, 111, 146802.	2.9	62
35	Spin-Hall effect: Back to the beginning at a higher level. Solid State Communications, 2006, 138, 214-217.	0.9	60
36	Magnetic quantum phase transition of cold atoms in an optical lattice. Physical Review A, 2007, 76, .	1.0	56

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37	Electrically Tunable In-Plane Anisotropic Magnetoresistance in Topological Insulator BiSbTeSe₂ Nanodevices. Nano Letters, 2015, 15, 2061-2066.	4.5	56
38	Spin-resolved Hall effect driven by spin-orbit coupling. Physical Review B, 2005, 71, .	1.1	55
39	Spin-bias driven magnetization reversal and nondestructive detection in a single molecular magnet. Physical Review B, 2009, 79, .	1.1	55
40	Exact demonstration of off-diagonal long-range order in the ground state of a Hubbard model. Physical Review Letters, 1993, 71, 4238-4240.	2.9	53
41	Resonant spin Hall conductance in quantum Hall systems lacking bulk and structural inversion symmetry. Physical Review B, 2005, 71, .	1.1	53
42	Topological phase in a one-dimensional interacting fermion system. Physical Review B, 2011, 84, .	1.1	53
43	Vacancy-induced bound states in topological insulators. Physical Review B, 2011, 84, .	1.1	51
44	Localization and mobility gap in the topological Anderson insulator. Physical Review B, 2012, 85, .	1.1	51
45	Controllable quantum spin precession by Aharonovâ€“Casher phase in a conducting ring. Applied Physics Letters, 2004, 84, 996-998.	1.5	50
46	Hydrostatic pressure induced three-dimensional Dirac semimetal in black phosphorus. Physical Review B, 2016, 93, .	1.1	49
47	Double quantum dot as detector of spin bias. Physical Review B, 2008, 77, .	1.1	48
48	Antiferromagnetism and phase separation in electronic models for doped transition-metal oxides. Physical Review B, 1998, 58, R8877-R8880.	1.1	47
49	Quantum computing of molecular magnetMn12. Physical Review A, 2002, 66, .	1.0	45
50	Quantum anomalous Hall effect in a flat band ferromagnet. Physical Review B, 2012, 85, .	1.1	45
51	Nonlocal noise cross correlation mediated by entangled Majorana fermions. Physical Review B, 2012, 86, .	1.1	44
52	Strongly Correlated Electron Systems: Spin-Reflection Positivity and Some Rigorous Results. International Journal of Modern Physics B, 1998, 12, 709-779.	1.0	42
53	SU(3) bosons and the spin nematic state on the spin-1 bilinear-biquadratic triangular lattice. Physical Review B, 2007, 75, .	1.1	42
54	Observation of electric current induced by optically injected spin current. Applied Physics Letters, 2007, 90, 242115.	1.5	41

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55	Disorder effects in the quantum Hall effect of graphene<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>n</mml:mi></mml:mrow></mml:math>junc Physical Review B, 2008, 78, .	1.1	40
56	Propagation of sound and supersonic bright solitons in superfluid Fermi gases in BCS-BEC crossover. Physical Review B, 2010, 81, .	1.1	40
57	Detecting monopole charge in Weyl semimetals via quantum interference transport. Physical Review B, 2016, 93, .	1.1	40
58	Using spin bias to manipulate and measure spin in quantum dots. Physical Review B, 2008, 77, .	1.1	38
59	Non-magnetic impurities and in-gap bound states in topological insulators. New Journal of Physics, 2011, 13, 103016.	1.2	38
60	Weak localization and weak anti-localization in topological insulators. Proceedings of SPIE, 2014, , .	0.8	38
61	Edge states and integer quantum Hall effect in topological insulator thin films. Scientific Reports, 2015, 5, 13277.	1.6	38
62	Crossover from Majorana edge- to end-states in quasi-one-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-wave superconductors. Physical Review B, 2011, 84, .	1.1	37
63	Fractional topological phase in one-dimensional flat bands with nontrivial topology. Physical Review B, 2012, 86, .	1.1	37
64	Influence of spin transfer and contact resistance on measurement of the spin Hall effect. Physical Review B, 2003, 68, .	1.1	36
65	Surface and edge states in topological semimetals. Physical Review B, 2011, 83, .	1.1	36
66	Experimental evidences of topological surface states of Î²-Ag2Te. AIP Advances, 2013, 3, 032123.	0.6	36
67	Robustness of quantum spin Hall effect in an external magnetic field. Physical Review B, 2014, 90, .	1.1	35
68	Mott-Hubbard transition in infinite dimensions. Physical Review B, 2001, 64, .	1.1	32
69	Spin transverse force and intrinsic quantum transverse transport. Physical Review B, 2006, 73, .	1.1	32
70	Coherent oscillations and giant edge magnetoresistance in singly connected topological insulators. Physical Review B, 2009, 80, .	1.1	32
71	Current noise cross correlation mediated by Majorana bound states. Physical Review B, 2014, 90, .	1.1	32
72	Effect of interactions on two-dimensional Dirac fermions. Physical Review B, 2013, 88, .	1.1	31

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73	Quantum spin Hall effect induced by nonmagnetic and magnetic staggered potentials. Physical Review B, 2011, 83, .	1.1	30
74	Deduction of pure spin current from the linear and circular spin photogalvanic effect in semiconductor quantum wells. Physical Review B, 2007, 75, .	1.1	29
75	Spin-orbit scattering in quantum diffusion of massive Dirac fermions. Physical Review B, 2012, 86, .	1.1	29
76	Spin-current-induced charge accumulation and electric current in semiconductor nanostructures with Rashba spin-orbit coupling. Physical Review B, 2007, 76, .	1.1	28
77	Topological superconducting states in monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">FeSe</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mi mathvariant="normal">SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 92, .	1.1	28
78	Total spin and antiferromagnetic correlation in the Kondo model. Physical Review B, 1996, 53, 14252-14261.	1.1	27
79	Influences of spin accumulation on the intrinsic spin Hall effect in two-dimensional electron gases with Rashba spin-orbit coupling. Physical Review B, 2004, 70, .	1.1	27
80	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies ofCuCr2Se4âˆ’xBrx. Physical Review B, 2007, 75, .	1.1	27
81	Electronic transport through a graphene-based ferromagnetic/normal/ferromagnetic junction. Journal of Physics Condensed Matter, 2010, 22, 035301.	0.7	27
82	Tunable Interaction-Induced Localization of Surface Electrons in Antidot Nanostructured Bi₂Te₃ Thin Films. ACS Nano, 2014, 8, 9616-9621.	7.3	27
83	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
84	Transverse electric current induced by optically injected spin current in a cross-shaped InGaAsâˆ•InAlAs system. Applied Physics Letters, 2006, 88, 162105.	1.5	25
85	Two-dimensional gapless spin liquids in frustrated SU(N) quantum magnets. New Journal of Physics, 2004, 6, 160-160.	1.2	22
86	Intrinsic magnetoresistance in three-dimensional Dirac materials with low carrier density. Physical Review B, 2018, 98, .	1.1	22
87	Half-quantized Hall effect and power law decay of edge-current distribution. Physical Review B, 2022, 105, .	1.1	22
88	Effects of spin imbalance on the electric-field-driven quantum dissipationless spin current inp-doped semiconductors. Physical Review B, 2004, 70, .	1.1	21
89	Quantum Interference Theory of Magnetoresistance in Dirac Materials. Physical Review Letters, 2019, 122, 246601.	2.9	21
90	Dirac Polarons and Resistivity Anomaly in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>HfTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></m Physical Review Letters, 2020, 125, 256601.	2.9	21

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91	Exact ground state in an orbitally degenerate Hubbard model. Physical Review B, 1998, 57, 6474-6478.	1.1	20
92	High Spin Systems with Orbital Degeneracy. Physical Review Letters, 2001, 88, 027201.	2.9	20
93	Charge ordering and phase separation in the infinite dimensional extended Hubbard model. Physical Review B, 2004, 70, .	1.1	20
94	Weak antilocalization and interaction-induced localization of Dirac and Weyl Fermions in topological insulators and semimetals. Chinese Physics B, 2016, 25, 117202.	0.7	20
95	Towards the manipulation of topological states of matter: a perspective from electron transport. Science Bulletin, 2018, 63, 580-594.	4.3	20
96	Hidden edge Dirac point and robust quantum edge transport in InAs/GaSb quantum wells. Physical Review B, 2018, 97, .	1.1	20
97	Ordered Valence-Bond States in Symmetric Two-Dimensional Spin-Orbital Systems. Physical Review Letters, 2001, 87, 157201.	2.9	19
98	Finite-size scaling of entanglement entropy at the Anderson transition with interactions. Physical Review B, 2013, 87, .	1.1	19
99	Current-induced spin polarization in a two-dimensional hole gas. Physical Review B, 2008, 77, .	1.1	18
100	Quantum percolation in quantum spin Hall antidot systems. Europhysics Letters, 2012, 100, 17013.	0.7	18
101	Algebraic and geometric mean density of states in topological Anderson insulators. Physical Review B, 2013, 88, .	1.1	18
102	Dephasing effect on transport of a graphene pâ€“n junction in a quantum Hall regime. Journal of Physics Condensed Matter, 2011, 23, 495301.	0.7	17
103	Antiferromagnetic Heisenberg model on an anisotropic triangular lattice in the presence of a magnetic field. Physical Review B, 2002, 66, .	1.1	16
104	Relation between pseudospin-rotation invariance and a supersolid. Physical Review B, 1994, 50, 16086-16089.	1.1	15
105	Percolative conductivity and critical exponents in mixed-valent manganites. Physical Review B, 2001, 63, .	1.1	15
106	Complete phase diagram and topological properties of interacting bosons in one-dimensional superlattices. Physical Review B, 2015, 91, .	1.1	15
107	Majorana-Josephson interferometer. Physical Review B, 2019, 99, .	1.1	15
108	Quantum tunneling of two coupled single-molecular magnets. Physical Review B, 2003, 68, .	1.1	14

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109	Coulomb interaction in the spin Hall effect. Physical Review B, 2003, 68, .	1.1	14
110	Conductance modulations in spin field-effect transistors under finite bias voltages. Physical Review B, 2004, 69, .	1.1	14
111	Magnetoelectric Photocurrent Generated by Direct Interband Transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InGaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>InAlAs</mml:mi></mml:math>Two-Dimensional Electron Gas. Physical Review Letters, 2010, 104, 246601.	2.9	14
112	Quantum impurity in the bulk of a topological insulator. Physical Review B, 2013, 87, .	1.1	14
113	Dimensional evolution between one- and two-dimensional topological phases. Physical Review B, 2014, 90, .	1.1	14
114	Disorder-induced topological phase transitions in two-dimensional spin-orbit coupled superconductors. Scientific Reports, 2016, 6, 39188.	1.6	14
115	Enhanced current noise correlations in a Coulomb-Majorana device. Physical Review B, 2016, 93, .	1.1	14
116	Coulomb Interaction and Instability of CE-Type Structure in Half-Doped Manganites. Physical Review Letters, 2001, 86, 5842-5842.	2.9	13
117	Edge spin current and spin polarization in quantum Hall regime. Physical Review B, 2005, 72, .	1.1	13
118	Extrinsic anomalous Hall conductivity of a topologically nontrivial conduction band. Physical Review B, 2013, 88, .	1.1	13
119	Topological quantum phase transition and the Berry phase near the Fermi surface in hole-doped quantum wells. Europhysics Letters, 2007, 79, 47010.	0.7	12
120	Electric-field-induced resonant spin polarization in a two-dimensional electron gas. Physical Review B, 2007, 76, .	1.1	12
121	Spiral state and persistent spin current in a system with strong Hund coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 235, 403-407.	0.9	11
122	Impurity influence in quantum spin Hall transport. Physical Review B, 2013, 88, .	1.1	11
123	Chiral Majorana hinge modes in superconducting Dirac materials. Physical Review B, 2021, 103, .	1.1	11
124	Bulk-hinge correspondence and three-dimensional quantum anomalous Hall effect in second-order topological insulators. Physical Review Research, 2021, 3, .	1.3	11
125	Nonexponential relaxation and quantum tunnel splitting in the molecular magnetFe8. Physical Review B, 2003, 67, .	1.1	10
126	Electric-field modulation of the number of helical edge states in thin-film semiconductors. Physical Review B, 2010, 81, .	1.1	10

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127	The family of topological phases in condensed matterâ€. National Science Review, 2014, 1, 49-59.	4.6	10
128	Topological crystalline antiferromagnetic state in tetragonal FeS. Physical Review B, 2017, 96, .	1.1	10
129	Effective Hamiltonian for an extended Kondo-lattice model and a possible origin of charge ordering in half-doped manganites. Physical Review B, 1999, 59, 14484-14488.	1.1	9
130	Orbital ordering and two ferromagnetic phases in low-dopedLa1â^'xSrxMnO3. Physical Review B, 2000, 62, 5829-5833.	1.1	9
131	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
132	Generalized valence bond state and solvable models for spin-12systems with orbital degeneracy. Physical Review B, 2001, 64, .	1.1	9
133	Suppression of quantum phase interference in the molecular magnetFe8with dipolar-dipolar interaction. Physical Review B, 2002, 66, .	1.1	9
134	Pseudospin SU(2)-symmetry breaking, charge-density waves and superconductivity in the Hubbard model. Journal of Physics Condensed Matter, 1996, 8, 4805-4812.	0.7	8
135	Ferrimagnetism in the organic polymeric Hubbard model:â€,Quantum Monte Carlo simulation. Physical Review B, 1999, 59, 3321-3324.	1.1	8
136	Quantum dynamics of a vortex in a Josephson junction. Physical Review B, 2005, 72, .	1.1	8
137	THEORY OF RESONANT SPIN HALL EFFECT. International Journal of Modern Physics B, 2008, 22, 94-103.	1.0	8
138	Quantum magnetotransport in massive Dirac materials. Physical Review B, 2020, 101, .	1.1	8
139	Formation of energy gap in high-dimensional spin-orbital liquids. Europhysics Letters, 2002, 57, 274-280.	0.7	7
140	Kagome antiferromagnet: A Schwinger-boson mean-field theory study. Physical Review B, 2007, 76, .	1.1	7
141	Detecting and switching magnetization of Stoner nanograin in nonlocal spin valve. Physical Review B, 2009, 80, .	1.1	7
142	Disorder effect of resonant spin Hall effect in a tilted magnetic field. Physical Review B, 2009, 80, .	1.1	7
143	Renormalization group approach to stability of two-dimensional interacting type-II Dirac fermions. Physical Review B, 2017, 95, .	1.1	7
144	Applications of reflection positivity in strongly correlated electron systems. Physical Review B, 1996, 54, 4397-4400.	1.1	6

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145	SU(4) spin-orbital two-leg ladder, square, and triangle lattices. Physical Review B, 2002, 66, .	1.1	6
146	Spin current in the Kondo lattice model. Physical Review B, 2003, 67, .	1.1	6
147	Spin and orbital valence bond solids in a one-dimensional spin-orbital system: Schwinger boson mean-field theory. Physical Review B, 2005, 72, .	1.1	6
148	Helical symmetry breaking and quantum anomaly in massive Dirac fermions. Physical Review B, 2021, 104, .	1.1	6
149	Fractional electromagnetic response in a three-dimensional chiral anomalous semimetal. Physical Review B, 2022, 106, .	1.1	6
150	Multiqubit maximally entangled states in the NMR model. Physical Review A, 2004, 70, .	1.0	5
151	Spin relaxation in submonolayer and monolayer InAs structures grown in a GaAs matrix. Physical Review B, 2009, 80, .	1.1	5
152	Quantum-classical crossover for biaxial antiferromagnetic particles with a magnetic field along the hard axis. Physical Review B, 2004, 70, .	1.1	4
153	Contractor renormalization group theory ofSU(N)chains and ladders. Physical Review B, 2005, 71, .	1.1	4
154	Incommensurate phase of a triangular frustrated Heisenberg model studied via Schwinger-boson mean-field theory. Journal of Physics Condensed Matter, 2009, 21, 326005.	0.7	4
155	Topological Dirac and Weyl Semimetals. Springer Series in Solid-state Sciences, 2017, , 207-229.	0.3	4
156	Chiral anomaly and anomalous finite-size conductivity in graphene. 2D Materials, 2017, 4, 035014.	2.0	4
157	Oscillatory interlayer magnetic coupling in magnetic sandwiches and superlattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 210, 135-140.	0.9	3
158	Theorem on pseudospin and Î·-pairing superconductivity. Physical Review B, 1996, 54, 9039-9042.	1.1	3
159	Ground state of the Kondo model with large spin. Physical Review B, 1997, 55, 14330-14334.	1.1	3
160	Ferromagnetism, Dimerization, Charge and Spin Density Waves in Quasi-One-Dimensional Organic Polymers: Self-Consistent Mean Field Theory. International Journal of Modern Physics B, 1998, 12, 2031-2044.	1.0	3
161	Ferromagnetic ground state of an orbital degenerate electronic model for transition-metal oxides: Exact solution and physical mechanism. Physical Review B, 1999, 59, 3291-3294.	1.1	3
162	Hole dispersions in theG- andC-type orbital ordering backgrounds: Doped manganese oxides. Physical Review B, 2000, 62, 3869-3874.	1.1	3

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163	Quantum-classical transition of the escape rate of uniaxial antiferromagnetic particles in an arbitrarily directed field. Physical Review B, 2003, 68, .	1.1	3
164	Ground state tunneling and staircase hysteresis loop in molecular magnet Mn12 acetate. Journal of Magnetism and Magnetic Materials, 2006, 299, 376-382.	1.0	3
165	Theory of magnetoelectric photocurrent generated by direct interband transitions in a semiconductor quantum well. Physical Review B, 2011, 83, .	1.1	3
166	Quadratic magnetic field dependence of magnetoelectric photocurrent. Physical Review B, 2011, 83, .	1.1	3
167	Particleâ€"hole bound states of dipolar molecules in an optical lattice. Chinese Physics B, 2013, 22, 090501.	0.7	3
168	Anomalous Temperature Dependence of Quantum Correction to the Conductivity of Magnetic Topological Insulators. Physical Review Letters, 2020, 124, 206603.	2.9	3
169	Oscillatory total spin in ferromagnet/metal(or insulator)/ferromagnet sandwich structures. Physical Review B, 1996, 53, 14298-14302.	1.1	2
170	Lagrange Method in Reflection Positivity in the Spin Space. Physical Review Letters, 1997, 79, 1781-1781.	2.9	2
171	Spin and orbital excitations in undoped manganites. Journal of Applied Physics, 2000, 88, 5300-5304.	1.1	2
172	LOW TEMPERATURE PROPERTIES OF THE MOTTâ€"HUBBARD TRANSITION. Modern Physics Letters B, 2001, 15, 1249-1258.	1.0	2
173	Spintronic Faraday rotation spectroscopy and geometrical modulation of spin current in an Aharonov-Casher ring. Physical Review B, 2004, 70, .	1.1	2
174	Shen replies:. Physical Review Letters, 2007, 99, .	2.9	2
175	Fermionic representation of a symmetrically frustrated SU(3) model: Application to the Haldane-gap antiferromagnets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3075-3078.	0.9	2
176	Publisher's Note: Detecting monopole charge in Weyl semimetals via quantum interference transport [Phys. Rev. B 93, 161110(R) (2016)]. Physical Review B, 2016, 93, .	1.1	2
177	Pseudospin symmetry, Peierls instability, and charge-density wave. Physica B: Condensed Matter, 1997, 230-232, 1061-1063.	1.3	1
178	Magnetic, charge and orbital orderings in manganites. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 757-762.	1.0	1
179	STATE EVOLUTION AND INFORMATION PROCESSING IN Mn12 QUANTUM MAGNET. International Journal of Modern Physics B, 2004, 18, 2401-2408.	1.0	1
180	Calculation of tunnel splitting in a biaxial spin particle with an applied magnetic field. European Physical Journal B, 2004, 40, 87-92.	0.6	1

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181	SPIN TRANSVERSE FORCE AND QUANTUM TRANSVERSE TRANSPORT. International Journal of Modern Physics B, 2008, 22, 76-81.	1.0	1
182	Topological Invariants. Springer Series in Solid-state Sciences, 2012, , 47-73.	0.3	1
183	Majorana Fermions in Topological Insulators. Springer Series in Solid-state Sciences, 2017, , 189-206.	0.3	1
184	Starting from the Dirac Equation. Springer Series in Solid-state Sciences, 2017, , 17-32.	0.3	1
185	Topological Invariants. Springer Series in Solid-state Sciences, 2017, , 51-79.	0.3	1
186	Newtonâ€™s second law in spinâ€“orbit torque. Journal of Physics Condensed Matter, 2018, 30, 395301.	0.7	1
187	Berry phase and its induced charge and spin currents in a ring of a double-exchange system. Physical Review B, 1999, 60, 14549-14552.	1.1	0
188	Comment on â€œLagrange-multiplier method in correlated-electron systems: Exact diagonalization studyâ€• Physical Review B, 1999, 59, 12689-12691.	1.1	0
189	Antiferromagnetism in theS=12antiferromagnetic Heisenberg model on a two-dimensional square lattice. Physical Review B, 2000, 62, 13824-13827.	1.1	0
190	Current-induced Spin Polarization in 2-Dimensional Hole Gas. , 2010, , .		0
191	Nearly noninvasive readout and manipulation of spin in double quantum dot using spin bias. European Physical Journal B, 2011, 83, 69-75.	0.6	0
192	Minimal Lattice Model for Topological Insulator. Springer Series in Solid-state Sciences, 2012, , 29-45.	0.3	0
193	Quantum Spin Hall Effect. Springer Series in Solid-state Sciences, 2012, , 85-112.	0.3	0
194	Three-Dimensional Topological Insulators. Springer Series in Solid-state Sciences, 2012, , 113-139.	0.3	0
195	Impurities and Defects in Topological Insulators. Springer Series in Solid-state Sciences, 2012, , 141-158.	0.3	0
196	Majorana Fermions in Topological Insulators. Springer Series in Solid-state Sciences, 2012, , 173-190.	0.3	0
197	Topological Anderson Insulator. Springer Series in Solid-state Sciences, 2012, , 191-201.	0.3	0
198	One-dimensional interacting topological insulator. Journal of the Korean Physical Society, 2013, 63, 387-389.	0.3	0

#	Article	IF	Citations
199	EFFECT OF INTERACTION IN ONE-DIMENSIONAL TOPOLOGICAL INSULATOR. International Journal of Modern Physics B, 2013, 27, 1361001.	1.0	0
200	Quantum Anomalous Hall and Quantum Spin Hall. Springer Series in Solid-state Sciences, 2017, , 91-123.	0.3	0
201	Minimal Lattice Model for Topological Insulators. Springer Series in Solid-state Sciences, 2017, , 33-50.	0.3	0
202	Topological Phases in One Dimension. Springer Series in Solid-state Sciences, 2017, , 81-90.	0.3	0
203	Three-Dimensional Topological Insulators. Springer Series in Solid-state Sciences, 2017, , 125-152.	0.3	0