

Shun-Qing Shen

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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	Crossover of the three-dimensional topological insulator Bi ₂ Se ₃ to the two-dimensional limit. <i>Nature Physics</i> , 2010 , 6, 584-588	16.2	1048
200	Signatures of the Adler-Bell-Jackiw chiral anomaly in a Weyl fermion semimetal. <i>Nature Communications</i> , 2016 , 7, 10735	17.4	455
199	Massive Dirac fermions and spin physics in an ultrathin film of topological insulator. <i>Physical Review B</i> , 2010 , 81,	3.3	427
198	Impurity effect on weak antilocalization in the topological insulator Bi ₂ Te ₃ . <i>Physical Review Letters</i> , 2011 , 106, 166805	7.4	356
197	Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , 2012 ,	0.4	348
196	Finite size effects on helical edge states in a quantum spin-Hall system. <i>Physical Review Letters</i> , 2008 , 101, 246807	7.4	340
195	Topological Anderson insulator. <i>Physical Review Letters</i> , 2009 , 102, 136806	7.4	307
194	Negative magnetoresistance in Dirac semimetal Cd ₃ As ₂ . <i>Nature Communications</i> , 2016 , 7, 10301	17.4	289
193	Effective continuous model for surface states and thin films of three-dimensional topological insulators. <i>New Journal of Physics</i> , 2010 , 12, 043048	2.9	252
192	Competition between weak localization and antilocalization in topological surface states. <i>Physical Review Letters</i> , 2011 , 107, 076801	7.4	226
191	Weak localization of bulk channels in topological insulator thin films. <i>Physical Review B</i> , 2011 , 84,	3.3	153
190	Spin Hall effect and Berry phase in two-dimensional electron gas. <i>Physical Review B</i> , 2004 , 70,	3.3	148
189	Resonant spin Hall conductance in two-dimensional electron systems with a Rashba interaction in a perpendicular magnetic field. <i>Physical Review Letters</i> , 2004 , 92, 256603	7.4	142
188	Spin transverse force on spin current in an electric field. <i>Physical Review Letters</i> , 2005 , 95, 187203	7.4	113
187	Intervalley scattering and localization behaviors of spin-valley coupled Dirac fermions. <i>Physical Review Letters</i> , 2013 , 110, 016806	7.4	112
186	Current-induced effect on the resistivity of epitaxial thin films of La _{0.7} Ca _{0.3} MnO ₃ and La _{0.85} Ba _{0.15} MnO ₃ . <i>Applied Physics Letters</i> , 2003 , 82, 4732-4734	3.4	106
185	Indications of surface-dominated transport in single crystalline nanoflake devices of topological insulator Bi _{1.5} Sb _{0.5} Te _{1.8} Se _{1.2} . <i>Physical Review B</i> , 2013 , 87,	3.3	99

184	High-field magnetoconductivity of topological semimetals with short-range potential. <i>Physical Review B</i> , 2015 , 92,	3.3	83
183	TOPOLOGICAL INSULATOR AND THE DIRAC EQUATION. <i>Spin</i> , 2011 , 01, 33-44	1.3	83
182	Finite-temperature conductivity and magnetoconductivity of topological insulators. <i>Physical Review Letters</i> , 2014 , 112, 146601	7.4	79
181	Quantum transport in topological semimetals under magnetic fields. <i>Frontiers of Physics</i> , 2017 , 12, 1	3.7	78
180	Weak antilocalization and localization in disordered and interacting Weyl semimetals. <i>Physical Review B</i> , 2015 , 92,	3.3	75
179	Giant anisotropic magnetoresistance and planar Hall effect in the Dirac semimetal Cd ₃ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	70
178	Anomalous Phase Shift of Quantum Oscillations in 3D Topological Semimetals. <i>Physical Review Letters</i> , 2016 , 117, 077201	7.4	68
177	Ferrimagnetic long-range order of the Hubbard model. <i>Physical Review Letters</i> , 1994 , 72, 1280-1282	7.4	66
176	Charge Hall effect driven by spin-dependent chemical potential gradients and Onsager relations in mesoscopic systems. <i>Physical Review B</i> , 2005 , 72,	3.3	64
175	Anomalous anisotropic magnetoresistance in topological insulator films. <i>Nano Research</i> , 2012 , 5, 739-746	6.0	59
174	Spin-Hall effect: Back to the beginning at a higher level. <i>Solid State Communications</i> , 2006 , 138, 214-217	1.6	55
173	Surface edge state and half-quantized Hall conductance in topological insulators. <i>Physical Review B</i> , 2011 , 84,	3.3	54
172	Linear magnetoconductivity in an intrinsic topological Weyl semimetal. <i>New Journal of Physics</i> , 2016 , 18, 053039	2.9	54
171	Magnetic quantum phase transition of cold atoms in an optical lattice. <i>Physical Review A</i> , 2007 , 76,	2.6	53
170	Photonic simulation of topological excitations in metamaterials. <i>Scientific Reports</i> , 2014 , 4, 3842	4.9	52
169	Spin-bias driven magnetization reversal and nondestructive detection in a single molecular magnet. <i>Physical Review B</i> , 2009 , 79,	3.3	52
168	Spin-resolved Hall effect driven by spin-orbit coupling. <i>Physical Review B</i> , 2005 , 71,	3.3	52
167	Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , 2017 ,	0.4	52

166	Exact demonstration of off-diagonal long-range order in the ground state of a Hubbard model. <i>Physical Review Letters</i> , 1993 , 71, 4238-4240	7.4	49
165	Topological responses from chiral anomaly in multi-Weyl semimetals. <i>Physical Review B</i> , 2017 , 96,	3.3	48
164	Controllable quantum spin precession by Aharonov-Casher phase in a conducting ring. <i>Applied Physics Letters</i> , 2004 , 84, 996-998	3.4	48
163	Quantum transport in magnetic topological insulator thin films. <i>Physical Review Letters</i> , 2013 , 111, 146802	3.4	47
162	Electrically tunable in-plane anisotropic magnetoresistance in topological insulator BiSbTeSe ₂ nanodevices. <i>Nano Letters</i> , 2015 , 15, 2061-6	11.5	46
161	Vacancy-induced bound states in topological insulators. <i>Physical Review B</i> , 2011 , 84,	3.3	46
160	Resonant spin Hall conductance in quantum Hall systems lacking bulk and structural inversion symmetry. <i>Physical Review B</i> , 2005 , 71,	3.3	46
159	Double quantum dot as detector of spin bias. <i>Physical Review B</i> , 2008 , 77,	3.3	45
158	Antiferromagnetism and phase separation in electronic models for doped transition-metal oxides. <i>Physical Review B</i> , 1998 , 58, R8877-R8880	3.3	44
157	Quantum computing of molecular magnet Mn ₁₂ . <i>Physical Review A</i> , 2002 , 66,	2.6	42
156	Topological phase in a one-dimensional interacting fermion system. <i>Physical Review B</i> , 2011 , 84,	3.3	40
155	Observation of electric current induced by optically injected spin current. <i>Applied Physics Letters</i> , 2007 , 90, 242115	3.4	40
154	Hydrostatic pressure induced three-dimensional Dirac semimetal in black phosphorus. <i>Physical Review B</i> , 2016 , 93,	3.3	39
153	Quantum anomalous Hall effect in a flat band ferromagnet. <i>Physical Review B</i> , 2012 , 85,	3.3	39
152	Nonlocal noise cross correlation mediated by entangled Majorana fermions. <i>Physical Review B</i> , 2012 , 86,	3.3	39
151	Disorder effects in the quantum Hall effect of graphene p-n junctions. <i>Physical Review B</i> , 2008 , 78,	3.3	39
150	Localization and mobility gap in the topological Anderson insulator. <i>Physical Review B</i> , 2012 , 85,	3.3	38
149	SU(3) bosons and the spin nematic state on the spin-1 bilinear-biquadratic triangular lattice. <i>Physical Review B</i> , 2007 , 75,	3.3	38

148	Using spin bias to manipulate and measure spin in quantum dots. <i>Physical Review B</i> , 2008 , 77,	3-3	37
147	Strongly Correlated Electron Systems: Spin-Reflection Positivity and Some Rigorous Results. <i>International Journal of Modern Physics B</i> , 1998 , 12, 709-779	1-1	37
146	Propagation of sound and supersonic bright solitons in superfluid Fermi gases in BCS-BEC crossover. <i>Physical Review B</i> , 2010 , 81,	3-3	36
145	Influence of spin transfer and contact resistance on measurement of the spin Hall effect. <i>Physical Review B</i> , 2003 , 68,	3-3	35
144	Fractional topological phase in one-dimensional flat bands with nontrivial topology. <i>Physical Review B</i> , 2012 , 86,	3-3	33
143	Detecting monopole charge in Weyl semimetals via quantum interference transport. <i>Physical Review B</i> , 2016 , 93,	3-3	31
142	Experimental evidences of topological surface states of HgAg_2Te . <i>AIP Advances</i> , 2013 , 3, 032123	1-5	31
141	Non-magnetic impurities and in-gap bound states in topological insulators. <i>New Journal of Physics</i> , 2011 , 13, 103016	2-9	31
140	Surface and edge states in topological semimetals. <i>Physical Review B</i> , 2011 , 83,	3-3	30
139	Crossover from Majorana edge- to end-states in quasi-one-dimensional p-wave superconductors. <i>Physical Review B</i> , 2011 , 84,	3-3	30
138	Coherent oscillations and giant edge magnetoresistance in singly connected topological insulators. <i>Physical Review B</i> , 2009 , 80,	3-3	30
137	Spin transverse force and intrinsic quantum transverse transport. <i>Physical Review B</i> , 2006 , 73,	3-3	29
136	Mott-Hubbard transition in infinite dimensions. <i>Physical Review B</i> , 2001 , 64,	3-3	28
135	Edge states and integer quantum Hall effect in topological insulator thin films. <i>Scientific Reports</i> , 2015 , 5, 13277	4-9	27
134	Effect of interactions on two-dimensional Dirac fermions. <i>Physical Review B</i> , 2013 , 88,	3-3	26
133	Quantum spin Hall effect induced by nonmagnetic and magnetic staggered potentials. <i>Physical Review B</i> , 2011 , 83,	3-3	26
132	Deduction of pure spin current from the linear and circular spin photogalvanic effect in semiconductor quantum wells. <i>Physical Review B</i> , 2007 , 75,	3-3	26
131	Weak localization and weak anti-localization in topological insulators 2014 ,		25

130	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies of CuCr_2Se_4 . <i>Physical Review B</i> , 2007 , 75,	3-3	25
129	Spin-current-induced charge accumulation and electric current in semiconductor nanostructures with Rashba spin-orbit coupling. <i>Physical Review B</i> , 2007 , 76,	3-3	25
128	Phase separation and charge ordering in doped manganite perovskites: Projection perturbation and mean-field approaches. <i>Physical Review B</i> , 2000 , 61, 9532-9541	3-3	25
127	Current noise cross correlation mediated by Majorana bound states. <i>Physical Review B</i> , 2014 , 90,	3-3	24
126	Robustness of quantum spin Hall effect in an external magnetic field. <i>Physical Review B</i> , 2014 , 90,	3-3	24
125	Tunable interaction-induced localization of surface electrons in antidot nanostructured Bi_2Te_3 thin films. <i>ACS Nano</i> , 2014 , 8, 9616-21	16.7	24
124	Topological superconducting states in monolayer $\text{FeSe}/\text{SrTiO}_3$. <i>Physical Review B</i> , 2015 , 92,	3-3	24
123	Transverse electric current induced by optically injected spin current in a cross-shaped $\text{InGaAs}/\text{AlAs}$ system. <i>Applied Physics Letters</i> , 2006 , 88, 162105	3-4	24
122	Electronic transport through a graphene-based ferromagnetic/normal/ferromagnetic junction. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 035301	1.8	23
121	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> , 2004 , 70,	3-3	23
120	Spin-orbit scattering in quantum diffusion of massive Dirac fermions. <i>Physical Review B</i> , 2012 , 86,	3-3	22
119	Two-dimensional gapless spin liquids in frustrated $\text{SU}(N)$ quantum magnets. <i>New Journal of Physics</i> , 2004 , 6, 160-160	2.9	22
118	Total spin and antiferromagnetic correlation in the Kondo model. <i>Physical Review B</i> , 1996 , 53, 14252-14261	3-3	22
117	Effects of spin imbalance on the electric-field-driven quantum dissipationless spin current in p-doped semiconductors. <i>Physical Review B</i> , 2004 , 70,	3-3	21
116	Charge ordering and phase separation in the infinite dimensional extended Hubbard model. <i>Physical Review B</i> , 2004 , 70,	3-3	19
115	Ordered valence-bond states in symmetric two-dimensional spin-orbital systems. <i>Physical Review Letters</i> , 2001 , 87, 157201	7-4	19
114	High spin systems with orbital degeneracy. <i>Physical Review Letters</i> , 2002 , 88, 027201	7-4	19
113	Exact ground state in an orbitally degenerate Hubbard model. <i>Physical Review B</i> , 1998 , 57, 6474-6478	3-3	18

112	Topological Phase Transitions in Disordered Electric Quadrupole Insulators. <i>Physical Review Letters</i> , 2020 , 125, 166801	7.4	16
111	Finite-size scaling of entanglement entropy at the Anderson transition with interactions. <i>Physical Review B</i> , 2013 , 87,	3.3	15
110	Current-induced spin polarization in a two-dimensional hole gas. <i>Physical Review B</i> , 2008 , 77,	3.3	15
109	Percolative conductivity and critical exponents in mixed-valent manganites. <i>Physical Review B</i> , 2001 , 63,	3.3	15
108	Antiferromagnetic Heisenberg model on an anisotropic triangular lattice in the presence of a magnetic field. <i>Physical Review B</i> , 2002 , 66,	3.3	15
107	Quantum percolation in quantum spin Hall antidot systems. <i>Europhysics Letters</i> , 2012 , 100, 17013	1.6	14
106	Quantum tunneling of two coupled single-molecular magnets. <i>Physical Review B</i> , 2003 , 68,	3.3	14
105	Coulomb interaction in the spin Hall effect. <i>Physical Review B</i> , 2003 , 68,	3.3	14
104	Relation between pseudospin-rotation invariance and a supersolid. <i>Physical Review B</i> , 1994 , 50, 16086-16089	3.3	14
103	Towards the manipulation of topological states of matter: a perspective from electron transport. <i>Science Bulletin</i> , 2018 , 63, 580-594	10.6	13
102	Dimensional evolution between one- and two-dimensional topological phases. <i>Physical Review B</i> , 2014 , 90,	3.3	13
101	Quantum impurity in the bulk of a topological insulator. <i>Physical Review B</i> , 2013 , 87,	3.3	13
100	Conductance modulations in spin field-effect transistors under finite bias voltages. <i>Physical Review B</i> , 2004 , 69,	3.3	13
99	Edge spin current and spin polarization in quantum Hall regime. <i>Physical Review B</i> , 2005 , 72,	3.3	13
98	Coulomb interaction and instability of CE-type structure in half-doped manganites. <i>Physical Review Letters</i> , 2001 , 86, 5842-3	7.4	13
97	Weak antilocalization and interaction-induced localization of Dirac and Weyl Fermions in topological insulators and semimetals. <i>Chinese Physics B</i> , 2016 , 25, 117202	1.2	13
96	Algebraic and geometric mean density of states in topological Anderson insulators. <i>Physical Review B</i> , 2013 , 88,	3.3	12
95	Complete phase diagram and topological properties of interacting bosons in one-dimensional superlattices. <i>Physical Review B</i> , 2015 , 91,	3.3	12

94	Dephasing effect on transport of a graphene p-n junction in a quantum Hall regime. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 495301	1.8	12
93	Topological quantum phase transition and the Berry phase near the Fermi surface in hole-doped quantum wells. <i>Europhysics Letters</i> , 2007 , 79, 47010	1.6	12
92	Intrinsic magnetoresistance in three-dimensional Dirac materials with low carrier density. <i>Physical Review B</i> , 2018 , 98,	3.3	11
91	Electric-field-induced resonant spin polarization in a two-dimensional electron gas. <i>Physical Review B</i> , 2007 , 76,	3.3	11
90	Topological crystalline antiferromagnetic state in tetragonal FeS. <i>Physical Review B</i> , 2017 , 96,	3.3	10
89	Quantum Interference Theory of Magnetoresistance in Dirac Materials. <i>Physical Review Letters</i> , 2019 , 122, 246601	7.4	10
88	Hidden edge Dirac point and robust quantum edge transport in InAs/GaSb quantum wells. <i>Physical Review B</i> , 2018 , 97,	3.3	10
87	Enhanced current noise correlations in a Coulomb-Majorana device. <i>Physical Review B</i> , 2016 , 93,	3.3	10
86	Impurity influence in quantum spin Hall transport. <i>Physical Review B</i> , 2013 , 88,	3.3	10
85	Extrinsic anomalous Hall conductivity of a topologically nontrivial conduction band. <i>Physical Review B</i> , 2013 , 88,	3.3	10
84	Electric-field modulation of the number of helical edge states in thin-film semiconductors. <i>Physical Review B</i> , 2010 , 81,	3.3	10
83	Magnetoelectric photocurrent generated by direct interband transitions in InGaAs/InAlAs two-dimensional electron gas. <i>Physical Review Letters</i> , 2010 , 104, 246601	7.4	10
82	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> , 1997 , 235, 403-407	2.3	10
81	Nonexponential relaxation and quantum tunnel splitting in the molecular magnet Fe ₈ . <i>Physical Review B</i> , 2003 , 67,	3.3	10
80	Disorder-induced topological phase transitions in two-dimensional spin-orbit coupled superconductors. <i>Scientific Reports</i> , 2016 , 6, 39188	4.9	10
79	Generalized valence bond state and solvable models for spin-1/2 systems with orbital degeneracy. <i>Physical Review B</i> , 2001 , 64,	3.3	9
78	Orbital ordering and two ferromagnetic phases in low-doped La _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 2000 , 62, 5829-5833	3.3	9
77	Phase diagram of an extended Kondo lattice model for manganites: The Schwinger-boson mean-field approach. <i>Physical Review B</i> , 2000 , 61, 1211-1217	3.3	9

76	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	3.3	9
75	Majorana-Josephson interferometer. <i>Physical Review B</i> , 2019 , 99,	3.3	8
74	THEORY OF RESONANT SPIN HALL EFFECT. <i>International Journal of Modern Physics B</i> , 2008 , 22, 94-103	1.1	8
73	Quantum dynamics of a vortex in a Josephson junction. <i>Physical Review B</i> , 2005 , 72,	3.3	8
72	Suppression of quantum phase interference in the molecular magnet Fe8 with dipolar-dipolar interaction. <i>Physical Review B</i> , 2002 , 66,	3.3	8
71	Detecting and switching magnetization of Stoner nanograin in nonlocal spin valve. <i>Physical Review B</i> , 2009 , 80,	3.3	7
70	Disorder effect of resonant spin Hall effect in a tilted magnetic field. <i>Physical Review B</i> , 2009 , 80,	3.3	7
69	Pseudospin SU(2)-symmetry breaking, charge-density waves and superconductivity in the Hubbard model. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 4805-4812	1.8	7
68	Formation of energy gap in high-dimensional spin-orbital liquids. <i>Europhysics Letters</i> , 2002 , 57, 274-280	1.6	7
67	Renormalization group approach to stability of two-dimensional interacting type-II Dirac fermions. <i>Physical Review B</i> , 2017 , 95,	3.3	6
66	Kagome antiferromagnet: A Schwinger-boson mean-field theory study. <i>Physical Review B</i> , 2007 , 76,	3.3	6
65	Spin and orbital valence bond solids in a one-dimensional spin-orbital system: Schwinger boson mean-field theory. <i>Physical Review B</i> , 2005 , 72,	3.3	6
64	Spin current in the Kondo lattice model. <i>Physical Review B</i> , 2003 , 67,	3.3	6
63	SU(4) spin-orbital two-leg ladder, square, and triangle lattices. <i>Physical Review B</i> , 2002 , 66,	3.3	6
62	Ferrimagnetism in the organic polymeric Hubbard model: Quantum Monte Carlo simulation. <i>Physical Review B</i> , 1999 , 59, 3321-3324	3.3	6
61	The family of topological phases in condensed matter. <i>National Science Review</i> , 2014 , 1, 49-59	10.8	5
60	Applications of reflection positivity in strongly correlated electron systems. <i>Physical Review B</i> , 1996 , 54, 4397-4400	3.3	5
59	Dirac Polarons and Resistivity Anomaly in ZrTe ₅ and HfTe ₅ . <i>Physical Review Letters</i> , 2020 , 125, 256601	10.1	4

58	Spin relaxation in submonolayer and monolayer InAs structures grown in a GaAs matrix. <i>Physical Review B</i> , 2009 , 80,	3.3	4
57	Incommensurate phase of a triangular frustrated Heisenberg model studied via Schwinger-boson mean-field theory. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 326005	1.8	4
56	Quantum-classical crossover for biaxial antiferromagnetic particles with a magnetic field along the hard axis. <i>Physical Review B</i> , 2004 , 70,	3.3	4
55	Multiqubit maximally entangled states in the NMR model. <i>Physical Review A</i> , 2004 , 70,	2.6	4
54	Contractor renormalization group theory of SU(N) chains and ladders. <i>Physical Review B</i> , 2005 , 71,	3.3	4
53	Particle-hole bound states of dipolar molecules in an optical lattice. <i>Chinese Physics B</i> , 2013 , 22, 090501	1.2	3
52	Theory of magnetoelectric photocurrent generated by direct interband transitions in a semiconductor quantum well. <i>Physical Review B</i> , 2011 , 83,	3.3	3
51	Ground state of the Kondo model with large spin. <i>Physical Review B</i> , 1997 , 55, 14330-14334	3.3	3
50	Ground state tunneling and staircase hysteresis loop in molecular magnet Mn ₁₂ acetate. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 299, 376-382	2.8	3
49	Quantum-classical transition of the escape rate of uniaxial antiferromagnetic particles in an arbitrarily directed field. <i>Physical Review B</i> , 2003 , 68,	3.3	3
48	Hole dispersions in the G- and C-type orbital ordering backgrounds: Doped manganese oxides. <i>Physical Review B</i> , 2000 , 62, 3869-3874	3.3	3
47	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	1.1	3
46	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	3.3	3
45	Oscillatory interlayer magnetic coupling in magnetic sandwiches and superlattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996 , 210, 135-140	2.3	3
44	Theorem on pseudospin and eta -pairing superconductivity. <i>Physical Review B</i> , 1996 , 54, 9039-9042	3.3	3
43	Topological Dirac and Weyl Semimetals. <i>Springer Series in Solid-state Sciences</i> , 2017 , 207-229	0.4	2
42	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> , 2009 , 373, 3075-3078	2.3	2
41	Lagrange Method in Reflection Positivity in the Spin Space. <i>Physical Review Letters</i> , 1997 , 79, 1781-1781	7.4	2

40	Shen replies. <i>Physical Review Letters</i> , 2007 , 99,	7.4	2
39	LOW TEMPERATURE PROPERTIES OF THE MOTT-HUBBARD TRANSITION. <i>Modern Physics Letters B</i> , 2001 , 15, 1249-1258	1.6	2
38	Oscillatory total spin in ferromagnet/metal(or insulator)/ferromagnet sandwich structures. <i>Physical Review B</i> , 1996 , 53, 14298-14302	3.3	2
37	Anomalous Temperature Dependence of Quantum Correction to the Conductivity of Magnetic Topological Insulators. <i>Physical Review Letters</i> , 2020 , 124, 206603	7.4	2
36	Quantum magnetotransport in massive Dirac materials. <i>Physical Review B</i> , 2020 , 101,	3.3	1
35	Starting from the Dirac Equation. <i>Springer Series in Solid-state Sciences</i> , 2017 , 17-32	0.4	1
34	Topological Invariants. <i>Springer Series in Solid-state Sciences</i> , 2017 , 51-79	0.4	1
33	Chiral anomaly and anomalous finite-size conductivity in graphene. <i>2D Materials</i> , 2017 , 4, 035014	5.9	1
32	Starting from the Dirac Equation. <i>Springer Series in Solid-state Sciences</i> , 2012 , 13-27	0.4	1
31	Topological Invariants. <i>Springer Series in Solid-state Sciences</i> , 2012 , 47-73	0.4	1
30	Quadratic magnetic field dependence of magnetoelectric photocurrent. <i>Physical Review B</i> , 2011 , 83,	3.3	1
29	Pseudospin symmetry, Peierls instability, and charge-density wave. <i>Physica B: Condensed Matter</i> , 1997 , 230-232, 1061-1063	2.8	1
28	SPIN TRANSVERSE FORCE AND QUANTUM TRANSVERSE TRANSPORT. <i>International Journal of Modern Physics B</i> , 2008 , 22, 76-81	1.1	1
27	Spintronic Faraday rotation spectroscopy and geometrical modulation of spin current in an Aharonov-Casher ring. <i>Physical Review B</i> , 2004 , 70,	3.3	1
26	STATE EVOLUTION AND INFORMATION PROCESSING IN Mn12 QUANTUM MAGNET. <i>International Journal of Modern Physics B</i> , 2004 , 18, 2401-2408	1.1	1
25	Calculation of tunnel splitting in a biaxial spin particle with an applied magnetic field. <i>European Physical Journal B</i> , 2004 , 40, 87-92	1.2	1
24	Magnetic, charge and orbital orderings in manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 757-762	2.8	1
23	Spin and orbital excitations in undoped manganites. <i>Journal of Applied Physics</i> , 2000 , 88, 5300-5304	2.5	1

22	Bulk-hinge correspondence and three-dimensional quantum anomalous Hall effect in second-order topological insulators. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
21	Majorana Fermions in Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , 2017 , 189-206	0.4	0
20	One-dimensional interacting topological insulator. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 387-389		
19	Quantum Anomalous Hall Effect and Quantum Spin Hall Effect. <i>Springer Series in Solid-state Sciences</i> , 2017 , 91-123	0.4	
18	Topological Anderson Insulator. <i>Springer Series in Solid-state Sciences</i> , 2017 , 231-241	0.4	
17	Minimal Lattice Model for Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , 2017 , 33-50	0.4	
16	Topological Phases in One Dimension. <i>Springer Series in Solid-state Sciences</i> , 2017 , 81-90	0.4	
15	Three-Dimensional Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , 2017 , 125-152	0.4	
14	Impurities and Defects in Topological Insulators. <i>Springer Series in Solid-state Sciences</i> , 2017 , 153-171	0.4	
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