Qing-Feng Sun

List of Publications by Year
in descending order

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225 papers	6,847 citations	50276 46 h-index	82547 72 g-index
225 all docs	225 docs citations	225 times ranked	3020 citing authors

#	Article	IF	Citations
1	Quantum transport theory for nanostructures with Rashba spin-orbital interaction. Physical Review B, 2005, 71, .	3.2	295
2	Spin-Selective Transport of Electrons in DNA Double Helix. Physical Review Letters, 2012, 108, 218102.	7.8	248
3	Numerical study of the topological Anderson insulator in HgTe/CdTe quantum wells. Physical Review B, 2009, 80, .	3.2	209
4	Resonant Andreev reflection in a normal-metalâ€“quantum-dotâ€“superconductor system. Physical Review B, 1999, 59, 3831-3840.	3.2	178
5	Spin-polarized transport through a quantum dot:â€‚â€‚Anderson model with on-site Coulomb repulsion. Physical Review B, 2002, 65, .	3.2	174
6	Spin-dependent electron transport in protein-like single-helical molecules. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11658-11662.	7.1	166
7	Disorder-Induced Enhancement of Transport through Graphene<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>n</mml:mi></mml:math>Junctions. Physical Review Letters, 2008, 101, 166806.	7.8	147
8	Definition of the spin current: The angular spin current and its physical consequences. Physical Review B, 2005, 72, .	3.2	136
9	Enhancement of the thermoelectric figure of merit in a quantum dot due to the Coulomb blockade effect. Physical Review B, 2010, 81, .	3.2	130
10	Bias-controllable intrinsic spin polarization in a quantum dot: Proposed scheme based on spin-orbit interaction. Physical Review B, 2006, 73, .	3.2	127
11	Disorder and Metal-Insulator Transitions in Weyl Semimetals. Physical Review Letters, 2015, 115, 246603.	7.8	124
12	A Spin Cell for Spin Current. Physical Review Letters, 2003, 90, 258301.	7.8	123
13	Topological Imbert-Fedorov Shift in Weyl Semimetals. Physical Review Letters, 2015, 115, 156602.	7.8	104
14	Spontaneous spin-polarized current in a nonuniform Rashba interaction system. Physical Review B, 2005, 71, .	3.2	100
15	Persistent spin current in nanodevices and definition of the spin current. Physical Review B, 2008, 77, .	3.2	95
16	Spin polarization and giant magnetoresistance effect induced by magnetization in zigzag graphene nanoribbons. Physical Review B, 2010, 81, .	3.2	95
17	Quantum transport through a graphene nanoribbonâ€“superconductor junction. Journal of Physics Condensed Matter, 2009, 21, 344204.	1.8	91
18	Topological Insulator: A New Quantized Spin Hall Resistance Robust to Dephasing. Physical Review Letters, 2009, 103, 036803.	7.8	88

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19	Spin Nernst effect and Nernst effect in two-dimensional electron systems. Physical Review B, 2008, 78, .	3.2	80
20	Gate-controllable spin battery. Applied Physics Letters, 2003, 83, 1397-1399.	3.3	79
21	Controllable valley polarization using graphene multiple topological line defects. Physical Review B, 2013, 87, .	3.2	79
22	Excess Kondo Resonance in a Quantum Dot Device with Normal and Superconducting Leads: The Physics of Andreev-Normal Co-tunneling. Physical Review Letters, 2001, 87, 176601.	7.8	77
23	Spin-battery and spin-current transport through a quantum dot. Physical Review B, 2004, 69, .	3.2	74
24	Nernst and Seebeck effects in a graphene nanoribbon. Physical Review B, 2009, 80, .	3.2	73
25	Double quantum dots: Kondo resonance induced by an interdot interaction. Physical Review B, 2002, 66, .	3.2	72
26	Controllable Andreev Retroreflection and Specular Andreev Reflection in a Four-Terminal Graphene-Superconductor Hybrid System. Physical Review Letters, 2009, 103, 167003.	7.8	71
27	Photon-assisted Andreev tunneling through a mesoscopic hybrid system. Physical Review B, 1999, 59, 13126-13138.	3.2	68
28	Andreev reflection through a quantum dot coupled with two ferromagnets and a superconductor. Physical Review B, 2001, 65, .	3.2	68
29	Persistent Spin Current in a Mesoscopic Hybrid Ring with Spin-Orbit Coupling. Physical Review Letters, 2007, 98, 196801.	7.8	68
30	Sequence-dependent spin-selective tunneling along double-stranded DNA. Physical Review B, 2012, 86, .	3.2	68
31	Dependence of topological Anderson insulator on the type of disorder. Physical Review B, 2012, 85, .	3.2	67
32	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>T</mml:mi></mml:math>-Invariant Quantum Spin Hall Effect in Ferromagnetic Graphene. Physical Review Letters, 2010, 104, 066805.	7.8	59
33	Spin-current-induced electric field. Physical Review B, 2004, 69, .	3.2	58
34	Effect of magnetic field on electron transport in HgTe/CdTe quantum wells: Numerical analysis. Physical Review B, 2012, 85, .	3.2	58
35	Thermal transport in a dielectric T-shaped quantum wire. Physical Review B, 2007, 75, .	3.2	56
36	Kondo resonance in a multiprobe quantum dot. Physical Review B, 2001, 64, .	3.2	55

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37	Enhanced spin-polarized transport through DNA double helix by gate voltage. Physical Review B, 2012, 86, .	3.2	54
38	Photon sidebands of the ground state and the excited state of a quantum dot: A nonequilibrium Green-function approach. Physical Review B, 1998, 58, 13007-13014.	3.2	53
39	Four-Terminal Thermal Conductance of Mesoscopic Dielectric Systems. Physical Review Letters, 2002, 89, 175901.	7.8	53
40	Heat generation by electric current in mesoscopic devices. Physical Review B, 2007, 75, .	3.2	53
41	Kondo transport through serially coupled triple quantum dots. Physical Review B, 2005, 72, .	3.2	50
42	One-dimensional quantum channel in a graphene line defect. Physical Review B, 2012, 86, .	3.2	49
43	Influence of microwave fields on the electron tunneling through a quantum dot. Physical Review B, 1997, 56, 3591-3594.	3.2	48
44	Double quantum dot as detector of spin bias. Physical Review B, 2008, 77, .	3.2	48
45	Electron transport through a mesoscopic hybrid multiterminal resonant-tunneling system. Physical Review B, 2000, 61, 4754-4761.	3.2	47
46	Electric-current-induced heat generation in a strongly interacting quantum dot in the Coulomb blockade regime. Physical Review B, 2009, 79, .	3.2	47
47	Contact effects in spin transport along double-helical molecules. Physical Review B, 2014, 89, .	3.2	46
48	Influence of dephasing on the quantum Hall effect and the spin Hall effect. Physical Review B, 2008, 77, .	3.2	45
49	Effect of gate voltage on spin transport along<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>-helical protein. Physical Review B, 2015, 92, .	3.2	42
50	Control of the supercurrent in a mesoscopic four-terminal Josephson junction. Physical Review B, 2000, 62, 648-660.	3.2	41
51	Double Andreev reflections in type-II Weyl semimetal-superconductor junctions. Physical Review B, 2017, 96, .	3.2	37
52	Quantum perfect crossed Andreev reflection in top-gated quantum anomalous Hall insulatorâ€“superconductor junctions. Physical Review B, 2017, 95, .	3.2	37
53	Crossed Andreev effects in two-dimensional quantum Hall systems. Physical Review B, 2016, 94, .	3.2	36
54	Manipulation and Characterization of the Valley-Polarized Topological Kink States in Graphene-Based Interferometers. Physical Review Letters, 2018, 121, 156801.	7.8	36

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55	Spin-polarized electron transport through helicene molecular junctions. Physical Review B, 2016, 94, .	3.2	35
56	Scanning tunneling spectroscopy of a magnetic atom on graphene in the Kondo regime. Europhysics Letters, 2009, 86, 58004.	2.0	34
57	Spin superconductor in ferromagnetic graphene. Physical Review B, 2011, 84, .	3.2	34
58	Focusing of electron flow in a bipolar graphene ribbon with different chiralities. Physical Review B, 2010, 81, .	3.2	33
59	Hamiltonian approach to the ac Josephson effect in superconducting-normal hybrid systems. Physical Review B, 2002, 65, .	3.2	32
60	Symmetry and transport property of spin current induced spin-Hall effect. Physical Review B, 2007, 75, .	3.2	32
61	Electrical preparation and readout of a single spin state in a quantum dot via spin bias. Physical Review B, 2010, 81, .	3.2	31
62	Effect of electron-hole inhomogeneity on specular Andreev reflection and Andreev retroreflection in a graphene-superconductor hybrid system. Physical Review B, 2011, 83, .	3.2	31
63	Quantum Andreev effect in two-dimensional HgTe/CdTe quantum well/superconductor systems. Physical Review B, 2011, 83, .	3.2	30
64	Two-dimensional lattice model for the surface states of topological insulators. Physical Review B, 2017, 95, .	3.2	30
65	Writing spin in a quantum dot with ferromagnetic and superconducting electrodes. Physical Review B, 2004, 69, .	3.2	29
66	Nature of spin Hall effect in a finite ballistic two-dimensional system with Rashba and Dresselhaus spin-orbit interaction. Physical Review B, 2006, 73, .	3.2	29
67	The valley filter efficiency of monolayer graphene and bilayer graphene line defect model. New Journal of Physics, 2016, 18, 103024.	2.9	29
68	Theory of excess noise of a quantum dot in the presence of a microwave field. Physical Review B, 2000, 61, 13032-13036.	3.2	28
69	Chiral wave-packet scattering in Weyl semimetals. Physical Review B, 2016, 93, .	3.2	28
70	Electronic transport through a graphene-based ferromagnetic/normal/ferromagnetic junction. Journal of Physics Condensed Matter, 2010, 22, 035301.	1.8	27
71	Detection of spinons via spin transport. Physical Review B, 2013, 88, .	3.2	27
72	Correlation-induced valley splitting and orbital magnetism in a strain-induced zero-energy flatband in twisted bilayer graphene near the magic angle. Physical Review B, 2020, 102, .	3.2	26

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73	Multiorbital model reveals a second-order topological insulator in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>H</mml:mi></mml:mrow></mml:math> transition metal dichalcogenides. Physical Review B, 2021, 104, .	3.2	26
74	Theoretical study for a quantum-dot molecule irradiated by a microwave field. Physical Review B, 2000, 61, 12643-12646.	3.2	25
75	Andreev bound states and the Ï€-junction transition in a superconductor/quantum-dot/superconductor system. Journal of Physics Condensed Matter, 2001, 13, 8783-8798.	1.8	25
76	Phonon-assisted transport through quantum dots with normal and superconducting leads. Physical Review B, 2012, 86, .	3.2	25
77	Time-dependent electron tunnelling through a quantum dot with Coulomb interactions. Journal of Physics Condensed Matter, 1997, 9, 4875-4886.	1.8	24
78	Nonlinear transport theory for hybrid normal-superconducting devices. Physical Review B, 2001, 64, .	3.2	24
79	Accumulation of opposite spins on the transverse edges of a two-dimensional electron gas in a longitudinal electric field. Physical Review B, 2006, 74, .	3.2	23
80	Parity of specular Andreev reflection under a mirror operation in a zigzag graphene ribbon. Physical Review B, 2011, 83, .	3.2	23
81	Magnetoanisotropic spin-triplet Andreev reflection in ferromagnet-Ising superconductor junctions. Physical Review B, 2018, 97, .	3.2	22
82	Phonon-assisted transport through suspended carbon nanotube quantum dots. Physical Review B, 2011, 84, .	3.2	21
83	Spin-polarized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn></mml:mrow></mml:math>state of graphene: A spin superconductor. Physical Review B, 2013, 87, .	3.2	21
84	Tunable Anderson metal-insulator transition in quantum spin-Hall insulators. Physical Review B, 2015, 91, .	3.2	21
85	Topological states and quantized current in helical organic molecules. Physical Review B, 2017, 95, .	3.2	21
86	Linear and nonlinear thermoelectric transport in a magnetic topological insulator nanoribbon with a domain wall. Physical Review B, 2020, 102, .	3.2	20
87	Movable Valley Switch Driven by Berry Phase in Bilayer-Graphene Resonators. Physical Review Letters, 2020, 124, 166801.	7.8	20
88	Response time of a normal-metal/superconductor hybrid system under a step-like pulse bias. Physical Review B, 2007, 75, .	3.2	19
89	Current oscillation of snake states in graphene<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>junction. Physical Review B, 2012, 86, .	3.2	19
90	Non-Abelian operation on chiral Majorana fermions by quantum dots. Physical Review B, 2019, 99, .	3.2	19

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91	Measuring the phonon-assisted spectral function by using a nonequilibrium three-terminal single-molecular device. Physical Review B, 2007, 75, .	3.2	18
92	Effect of disorder on longitudinal resistance of a 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 in the quantum Hall regime. Physical Review B, 2010, 81, .	3.2	18
93	Quantum thermal Hall effect in graphene. Physical Review B, 2011, 84, .	3.2	18
94	Spontaneous spin-triplet exciton condensation in ABC-stacked trilayer graphene. Physical Review B, 2012, 86, .	3.2	18
95	Transport properties of Floquet topological superconductors at the transition from the topological phase to the Anderson localized phase. Physical Review B, 2014, 90, .	3.2	18
96	Dephasing Effect on Backscattering of Helical Surface States in 3D Topological Insulators. Physical Review Letters, 2014, 113, 046805.	7.8	18
97	Electrical control of crossed Andreev reflection and spin-valley switch in antiferromagnet/superconductor junctions. Physical Review B, 2021, 104, .	3.2	18
98	Dephasing effect on transport of a graphene pâ€“n junction in a quantum Hall regime. Journal of Physics Condensed Matter, 2011, 23, 495301.	1.8	17
99	Coexistence and decoupling of bulk and edge states in disordered two-dimensional topological insulators. Physical Review B, 2014, 90, .	3.2	17
100	High-Efficiency Cooper-Pair Splitter in Quantum Anomalous Hall Insulator Proximity-Coupled with Superconductor. Scientific Reports, 2015, 5, 14892.	3.3	17
101	Perfect valley filter based on a topological phase in a disordered Sb monolayer heterostructure. Physical Review B, 2018, 97, .	3.2	17
102	Spin bias measurement based on a quantum point contact. Applied Physics Letters, 2008, 93, 142107.	3.3	16
103	Time-averaged heat generation in a quantum dot driven by an alternating current bias. Journal of Applied Physics, 2012, 112, 124306.	2.5	16
104	Transient heat generation in a quantum dot under a step-like pulse bias. Journal of Physics Condensed Matter, 2012, 24, 415302.	1.8	16
105	Chiral Majorana fermion modes regulated by a scanning tunneling microscope tip. Physical Review B, 2018, 97, .	3.2	16
106	Gate voltage controlled thermoelectric figure of merit in three-dimensional topological insulator nanowires. Physical Review B, 2018, 97, .	3.2	16
107	Berry phase induced valley level crossing in bilayer graphene quantum dots. Physical Review B, 2019, 99, .	3.2	16
108	Do Intradot Electron-Electron Interactions Induce Dephasing?. Physical Review Letters, 2004, 93, 076802.	7.8	15

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109	Spin-polarized edge modes and snake states in HgTe/CdTe quantum wells under an antisymmetric magnetic field. Physical Review B, 2012, 86, .	3.2	15
110	Ginzburgâ€“Landau-type theory of spin superconductivity. Nature Communications, 2013, 4, 2951.	12.8	15
111	Spin susceptibility of Anderson impurities in arbitrary conduction bands. Physical Review B, 2015, 92, .	3.2	15
112	Superfluidity of a pure spin current in ultracold Bose gases. Physical Review A, 2015, 91, .	2.5	15
113	Quantum interference in topological insulator Josephson junctions. Physical Review B, 2016, 93, .	3.2	15
114	Evidence for anisotropic spin-triplet Andreev reflection at the 2D van der Waals ferromagnet/superconductor interface. Nature Communications, 2021, 12, 6725.	12.8	15
115	Probing spin states of coupled quantum dots by a dc Josephson current. Physical Review B, 2002, 66, .	3.2	14
116	Magnetothermoelectric transport properties of multiterminal graphene nanoribbons. Physical Review B, 2016, 93, .	3.2	14
117	Effect of magnetic field on a magnetic topological insulator film with structural inversion asymmetry. Physical Review B, 2014, 89, .	3.2	13
118	Coherent single-spin source based on topological insulators. Physical Review B, 2014, 90, .	3.2	13
119	Spin selectivity effect in achiral molecular systems. Physical Review B, 2016, 94, .	3.2	13
120	Majorana dc Josephson current mediated by a quantum dot. Journal of Physics Condensed Matter, 2017, 29, 195301.	1.8	13
121	Charge Kondo effect in negative- U quantum dots with superconducting electrodes. Physical Review B, 2017, 96, .	3.2	13
122	Even-odd interference effect in a topological superconducting wire. Physical Review B, 2017, 96, .	3.2	13
123	Low-energy electronic properties of a Weyl semimetal quantum dot. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	13
124	Noise signatures for determining chiral Majorana fermion modes. Physical Review B, 2018, 98, .	3.2	13
125	Switch effect and 0- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï€</mml:mi></mml:math> transition in Ising superconductor Josephson junctions. Physical Review B, 2019, 99, .	3.2	13
126	Electrically tunable chiral Majorana edge modes in quantum anomalous Hall insulatorâ€“topological superconductor systems. Physical Review B, 2019, 100, .	3.2	13

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127	Spin-dependent electron transport along hairpinlike DNA molecules. Physical Review B, 2020, 102, .	3.2	13
128	Breaking of phase rigidity by a time-varying field for a two-terminal modified Aharonov-Bohm ring. Physical Review B, 1999, 60, R13981-R13984.	3.2	12
129	Numerical simulations of a ballistic spin interferometer with Rashba spin-orbital interaction. Physical Review B, 2006, 74, .	3.2	12
130	Doubled Shapiro steps in a topological Josephson junction. Physical Review B, 2018, 97, .	3.2	12
131	Magnetic flux control of chiral Majorana edge modes in topological superconductor. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	12
132	Majorana zero modes in regular B-form single-stranded DNA proximity-coupled to an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math> -wave superconductor. Physical Review B, 2019, 99, .	3.2	12
133	Band bending and zero-conductance resonances controlled by edge electric fields in zigzag silicene nanoribbons. Physical Review B, 2020, 102, .	3.2	12
134	Double Andreev reflections and double normal reflections in nodal-line semimetal-superconductor junctions. Physical Review B, 2020, 101, .	3.2	12
135	Chiral interface states and related quantized transport in disordered Chern insulators. Physical Review B, 2021, 103, .	3.2	12
136	Spin-valley polarized edge states and quantum anomalous Hall states controlled by side potential in two-dimensional honeycomb lattices. Physical Review B, 2021, 104, .	3.2	12
137	Coexistence of electron whispering-gallery modes and atomic collapse states in graphene/WSe2 heterostructure quantum dots. Nature Communications, 2022, 13, 1597.	12.8	12
138	Realizing Valley-Polarized Energy Spectra in Bilayer Graphene Quantum Dots via Continuously Tunable Berry Phases. Physical Review Letters, 2022, 128, .	7.8	12
139	Quantum transport through circularly coupled triple quantum dots. Journal of Physics Condensed Matter, 2007, 19, 156213.	1.8	11
140	Josephson current transport through T-shaped double quantum dots. Journal of Physics Condensed Matter, 2008, 20, 505202.	1.8	11
141	Josephson junction on one edge of a two dimensional topological insulator affected by magnetic impurity. Journal of Physics Condensed Matter, 2013, 25, 295301.	1.8	11
142	Detecting zero-line mode in bilayer graphene via the quantum Hall effect. Physical Review B, 2013, 87, .	3.2	11
143	Delocalization and scaling properties of low-dimensional quasiperiodic systems. Physical Review B, 2014, 89, .	3.2	11
144	Spin-current Seebeck effect in quantum dot systems. Journal of Physics Condensed Matter, 2014, 26, 045302.	1.8	11

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145	Identifying the topological superconducting phase in a multiband quantum wire. Physical Review B, 2015, 91, .	3.2	11
146	Superconductor-graphene-superconductor Josephson junction in the quantum Hall regime. Physical Review B, 2017, 96, .	3.2	11
147	Nonequilibrium Kondo effect by the equilibrium numerical renormalization group method: The hybrid Anderson model subject to a finite spin bias. Physical Review B, 2018, 97, .	3.2	11
148	Phonon-assisted Andreev reflection at a Majorana zero mode. Physical Review B, 2019, 99, .	3.2	11
149	Anomalous Josephson current in quantum anomalous Hall insulator-based superconducting junctions with a domain wall structure*. Chinese Physics B, 2020, 29, 097401.	1.4	11
150	Transient current through a quantum dot with two time-dependent barriers. Journal of Physics Condensed Matter, 1997, 9, 3043-3053.	1.8	10
151	Microwave-induced ï€-junction transition in a superconductor/quantum dot/superconductor structure. Physical Review B, 2002, 66, .	3.2	10
152	Effect of Zeeman splitting and interlayer bias potential on electron transport in bilayer graphene. Physical Review B, 2012, 86, .	3.2	10
153	Spin-current diode with a ferromagnetic semiconductor. Applied Physics Letters, 2015, 106, .	3.3	10
154	Spin-flip reflection at the normal metal-spin superconductor interface. Physical Review B, 2017, 95, .	3.2	10
155	Influence of magnetic disorders on quantum anomalous Hall effect in magnetic topological insulator films beyond the two-dimensional limit. New Journal of Physics, 2018, 20, 043011.	2.9	10
156	Configuration-sensitive transport at the domain walls of a magnetic topological insulator. Physical Review B, 2018, 98, .	3.2	10
157	Topological phase transitions of Thouless charge pumping realized in helical organic molecules with long-range hopping. Physical Review B, 2020, 102, .	3.2	10
158	Orbital Kondo effect in a parallel double quantum dot. Journal of Physics Condensed Matter, 2014, 26, 435301.	1.8	9
159	Theory for electric dipole superconductivity with an application for bilayer excitons. Scientific Reports, 2015, 5, 11925.	3.3	9
160	Lack of quenching for the resonant transmission through an inhomogeneously oscillating quantum well. Physical Review B, 1998, 58, 2008-2012.	3.2	8
161	Extraordinary temperature dependence of the resonant Andreev reflection. Physical Review B, 2001, 64, .	3.2	8
162	Generating spin current using an ac magnetic field. Physical Review B, 2006, 73, .	3.2	8

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163	The effect of disorder on the valley-dependent transport in zigzag graphene nanoribbons. Journal of Applied Physics, 2011, 109, 123718.	2.5	8
164	Inelastic Kondo-Andreev tunneling in a vibrating quantum dot. Physical Review B, 2017, 95, .	3.2	8
165	Quantum Hall effect in wedge-shaped samples. Physical Review B, 2020, 102, .	3.2	8
166	Charge and spin transport through a normal lead coupled to an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math> -wave superconductor and a Majorana zero mode. Physical Review B, 2021, 103, .	3.2	8
167	Spatial and magnetic confinement of massless Dirac fermions. Physical Review B, 2021, 104, .	3.2	8
168	Charge Transport in a Multiterminal DNA Tetrahedron: Interplay among Contact Position, Disorder, and Base-Pair Mismatch. Physical Review Applied, 2022, 17, .	3.8	8
169	Correlated two-electron transport:â€ƒA principle for a charge pump. Physical Review B, 2003, 68, .	3.2	7
170	Bipolaronic blockade effect in quantum dots with negative charging energy. Europhysics Letters, 2014, 105, 47006.	2.0	7
171	Surface-step defect in three-dimensional topological insulators: Electric manipulation of spin and quantum spin Hall effect. Physical Review B, 2016, 94, .	3.2	7
172	Chirality-dependent electron transport in Weyl semimetal pâ€“nâ€“p junctions. Communications Physics, 2019, 2, .	5.3	7
173	Ferromagnetism-induced Kondo effect in graphene with a magnetic impurity. Physical Review B, 2019, 100, .	3.2	7
174	Flux-induced topological superconductor in planar Josephson junction. Physical Review B, 2019, 100, .	3.2	7
175	Plateaus of quantized conductance with high steps in topological nodal-line semimetals. Physical Review B, 2020, 101, .	3.2	7
176	Thermal dissipation in the quantum Hall regime in graphene. Physical Review B, 2021, 104, .	3.2	7
177	Efficient Spin-Dependent Charge Transmission and Improved Enantioselective Discrimination Capability in Self-Assembled Chiral Coordinated Monolayers. Journal of Physical Chemistry Letters, 2021, 12, 10262-10269.	4.6	7
178	Equal-spin and oblique-spin crossed Andreev reflections in ferromagnet/Ising superconductor/ferromagnet junction. Physical Review B, 2022, 105, .	3.2	7
179	PERSISTENT SPIN CURRENT IN SPIN-ORBIT COUPLING SYSTEMS IN THE ABSENCE OF AN EXTERNAL MAGNETIC FIELD. International Journal of Modern Physics B, 2007, 21, 3687-3695.	2.0	6
180	Scaling feature of magnetic field induced Kondo-peak splittings. Physical Review B, 2010, 82, .	3.2	6

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181	Nonlocal transport in a hybrid two-dimensional topological insulator. Physical Review B, 2014, 89, .	3.2	6
182	Revisit the spin-FET: Multiple reflection, inelastic scattering and lateral size effects. Scientific Reports, 2015, 4, 7527.	3.3	6
183	Mode mixing induced by disorder in a graphene <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>n</mml:mi><mml:mi>p</mml:mi> junction in a magnetic field. Physical Review B, 2017, 95, .	3.2	6
184	Specular Andreev reflection and its detection. Physical Review B, 2021, 103, .	3.2	6
185	Spin-triplet superconductor–quantum anomalous Hall insulator–spin-triplet superconductor Josephson junctions: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>0</mml:mn><mml:mtext>â”</mml:mtext><mml:mi>Ï€</mml:mi> transition, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Ï•</mml:mi><mml:mn>0</mml:mn></mml:msub> phase, and switching effects. Physical Review B, 2021, 104, .	3.2	6
186	A Majorana perspective on understanding and identifying axion insulators. Communications Physics, 2021, 4, .	5.3	6
187	Ginzburg-Landau-type theory of nonpolarized spin superconductivity. Physical Review B, 2017, 95, .	3.2	5
188	Current noises in a topological Josephson junction. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	5
189	Quantum transport through three-dimensional topological insulator p-n junction under magnetic field. Physical Review B, 2018, 98, .	3.2	5
190	Double refraction and spin splitter in normal-conductor/hexagonal-semiconductor junctions. Physical Review B, 2018, 97, .	3.2	5
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