

Qing-Feng Sun

List of Publications by Year in descending order

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225
papers

6,847
citations

50276

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225
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citing authors

#	ARTICLE	IF	CITATIONS
1	Topological phase transition driven by magnetic field in one-dimensional topological superconductor rings. <i>Physical Review B</i> , 2022, 105, .	3.2	1
2	Equal-spin and oblique-spin crossed Andreev reflections in ferromagnet/Ising superconductor/ferromagnet junction. <i>Physical Review B</i> , 2022, 105, .	3.2	7
3	Coexistence of electron whispering-gallery modes and atomic collapse states in graphene/WSe ₂ heterostructure quantum dots. <i>Nature Communications</i> , 2022, 13, 1597.	12.8	12
4	Half-integer quantized thermal conductance plateau in chiral topological superconductor systems. <i>Physical Review B</i> , 2022, 105, .	3.2	2
5	Charge Transport in a Multiterminal DNA Tetrahedron: Interplay among Contact Position, Disorder, and Base-Pair Mismatch. <i>Physical Review Applied</i> , 2022, 17, .	3.8	8
6	Anomalous photon-assisted tunneling in periodically driven Majorana nanowires and BCS charge measurement. <i>Physical Review B</i> , 2022, 105, .	3.2	2
7	Spin-valley-resolved energy spectra of quantum dots in the graphene/transition metal dichalcogenides system. <i>Physical Review B</i> , 2022, 105, .	3.2	3
8	Spin phase regulated spin Josephson supercurrent in topological superconductor. <i>Physical Review B</i> , 2022, 105, .	3.2	2
9	Realizing Valley-Polarized Energy Spectra in Bilayer Graphene Quantum Dots via Continuously Tunable Berry Phases. <i>Physical Review Letters</i> , 2022, 128, .	7.8	12
10	Resonant tunneling in disordered borophene nanoribbons with line defects. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	3
11	Chiral interface states and related quantized transport in disordered Chern insulators. <i>Physical Review B</i> , 2021, 103, .	3.2	12
12	Charge and spin transport through a normal lead coupled to an s -wave superconductor and a Majorana zero mode. <i>Physical Review B</i> , 2021, 103, .	3.2	8
13	Realization of arbitrary two-qubit quantum gates based on chiral Majorana fermions*. <i>Chinese Physics B</i> , 2021, 30, 040303.	1.4	1
14	Specular Andreev reflection and its detection. <i>Physical Review B</i> , 2021, 103, .	3.2	6
15	An analytical solution for quantum scattering through a P -symmetric delta potential. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	0
16	Constructing Low-Dimensional Quantum Devices Based on the Surface State of Topological Insulators. <i>Chinese Physics Letters</i> , 2021, 38, 077303.	3.3	3
17	Electrical control of crossed Andreev reflection and spin-valley switch in antiferromagnet/superconductor junctions. <i>Physical Review B</i> , 2021, 104, .	3.2	18
18	Thermal dissipation in the quantum Hall regime in graphene. <i>Physical Review B</i> , 2021, 104, .	3.2	7

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37	Movable Valley Switch Driven by Berry Phase in Bilayer-Graphene Resonators. Physical Review Letters, 2020, 124, 166801.	7.8	20
38	Majorana zero modes from topological kink states in the two-dimensional electron gas. Physical Review B, 2020, 101, .	3.2	4
39	Spin-dependent electron transport along hairpinlike DNA molecules. Physical Review B, 2020, 102, .	3.2	13
40	Nonlocal correlation mediated by Weyl orbits. Physical Review Research, 2020, 2, .	3.6	5
41	Chirality-dependent electron transport in Weyl semimetal $n\bar{n}p$ junctions. Communications Physics, 2019, 2, .	5.3	7
42	Ferromagnetism-induced Kondo effect in graphene with a magnetic impurity. Physical Review B, 2019, 100, .	3.2	7
43	Majorana zero modes in regular B-form single-stranded DNA proximity-coupled to an s -wave superconductor. Physical Review B, 2019, 99, .	3.2	12
44	Non-Abelian operation on chiral Majorana fermions by quantum dots. Physical Review B, 2019, 99, .	3.2	19
45	Switch effect and $0\text{-}\pi$ transition in Ising superconductor Josephson junctions. Physical Review B, 2019, 99, .	3.2	13
46	Berry phase induced valley level crossing in bilayer graphene quantum dots. Physical Review B, 2019, 99, .	3.2	16
47	Phonon-assisted Andreev reflection at a Majorana zero mode. Physical Review B, 2019, 99, .	3.2	11
48	Anomalous spin Nernst effect in Weyl semimetals. Journal of Physics Condensed Matter, 2019, 31, 435301.	1.8	3
49	Electrically tunable chiral Majorana edge modes in quantum anomalous Hall insulator-topological superconductor systems. Physical Review B, 2019, 100, .	3.2	13
50	Flux-induced topological superconductor in planar Josephson junction. Physical Review B, 2019, 100, .	3.2	7
51	Perfect valley filter based on a topological phase in a disordered Sb monolayer heterostructure. Physical Review B, 2018, 97, .	3.2	17
52	Doubled Shapiro steps in a topological Josephson junction. Physical Review B, 2018, 97, .	3.2	12
53	Chiral Majorana fermion modes regulated by a scanning tunneling microscope tip. Physical Review B, 2018, 97, .	3.2	16
54	Magnetoanisotropic spin-triplet Andreev reflection in ferromagnet-Ising superconductor junctions. Physical Review B, 2018, 97, .	3.2	22

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55	Influence of magnetic disorders on quantum anomalous Hall effect in magnetic topological insulator films beyond the two-dimensional limit. <i>New Journal of Physics</i> , 2018, 20, 043011.	2.9	10
56	Manipulation and Characterization of the Valley-Polarized Topological Kink States in Graphene-Based Interferometers. <i>Physical Review Letters</i> , 2018, 121, 156801.	7.8	36
57	Geometric effect on quantum anomalous Hall states in magnetic topological insulators. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 435303.	1.8	4
58	Magnetic flux control of chiral Majorana edge modes in topological superconductor. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	12
59	Configuration-sensitive transport at the domain walls of a magnetic topological insulator. <i>Physical Review B</i> , 2018, 98, .	3.2	10
60	Low-energy electronic properties of a Weyl semimetal quantum dot. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	13
61	Nonequilibrium Kondo effect by the equilibrium numerical renormalization group method: The hybrid Anderson model subject to a finite spin bias. <i>Physical Review B</i> , 2018, 97, .	3.2	11
62	Gate voltage controlled thermoelectric figure of merit in three-dimensional topological insulator nanowires. <i>Physical Review B</i> , 2018, 97, .	3.2	16
63	Noise signatures for determining chiral Majorana fermion modes. <i>Physical Review B</i> , 2018, 98, .	3.2	13
64	Current noises in a topological Josephson junction. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	5
65	Quantum transport through three-dimensional topological insulator p-n junction under magnetic field. <i>Physical Review B</i> , 2018, 98, .	3.2	5
66	Double refraction and spin splitter in normal-conductor/hexagonal-semiconductor junctions. <i>Physical Review B</i> , 2018, 97, .	3.2	5
67	Ginzburg-Landau-type theory of nonpolarized spin superconductivity. <i>Physical Review B</i> , 2017, 95, .	3.2	5
68	Mode mixing induced by disorder in a graphene p - n junction in a magnetic field. <i>Physical Review B</i> , 2017, 95, .	3.2	4
69	Spin-flip reflection at the normal metal-spin superconductor interface. <i>Physical Review B</i> , 2017, 95, .	3.2	10
70	Inelastic Kondo-Andreev tunneling in a vibrating quantum dot. <i>Physical Review B</i> , 2017, 95, .	3.2	8
71	Majorana dc Josephson current mediated by a quantum dot. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 195301.	1.8	13
72	Charge Kondo effect in negative- U quantum dots with superconducting electrodes. <i>Physical Review B</i> , 2017, 96, .	3.2	13

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73	Topological states and quantized current in helical organic molecules. Physical Review B, 2017, 95, .	3.2	21
74	Even-odd interference effect in a topological superconducting wire. Physical Review B, 2017, 96, .	3.2	13
75	Double Andreev reflections in type-II Weyl semimetal-superconductor junctions. Physical Review B, 2017, 96, .	3.2	37
76	Superconductor-graphene-superconductor Josephson junction in the quantum Hall regime. Physical Review B, 2017, 96, .	3.2	11
77	Two-dimensional lattice model for the surface states of topological insulators. Physical Review B, 2017, 95, .	3.2	30
78	Quantum perfect crossed Andreev reflection in top-gated quantum anomalous Hall insulator-superconductor junctions. Physical Review B, 2017, 95, .	3.2	37
79	The valley filter efficiency of monolayer graphene and bilayer graphene line defect model. New Journal of Physics, 2016, 18, 103024.	2.9	29
80	Spin-polarized electron transport through helicene molecular junctions. Physical Review B, 2016, 94, .	3.2	35
81	Spin selectivity effect in achiral molecular systems. Physical Review B, 2016, 94, .	3.2	13
82	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
83	Crossed Andreev effects in two-dimensional quantum Hall systems. Physical Review B, 2016, 94, .	3.2	36
84	Chiral wave-packet scattering in Weyl semimetals. Physical Review B, 2016, 93, .	3.2	28
85	Quantum interference in topological insulator Josephson junctions. Physical Review B, 2016, 93, .	3.2	15
86	Magnetothermoelectric transport properties of multiterminal graphene nanoribbons. Physical Review B, 2016, 93, .	3.2	14
87	Tunable Anderson metal-insulator transition in quantum spin-Hall insulators. Physical Review B, 2015, 91, .	3.2	21
88	Identifying the topological superconducting phase in a multiband quantum wire. Physical Review B, 2015, 91, .	3.2	11
89	Effect of gate voltage on spin transport along \hat{z} -helical protein. Physical Review B, 2015, 92, .	3.2	42
90	Topological Imbert-Fedorov Shift in Weyl Semimetals. Physical Review Letters, 2015, 115, 156602.	7.8	104

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91	Disorder and Metal-Insulator Transitions in Weyl Semimetals. <i>Physical Review Letters</i> , 2015, 115, 246603.	7.8	124
92	Spin susceptibility of Anderson impurities in arbitrary conduction bands. <i>Physical Review B</i> , 2015, 92, .	3.2	15
93	Theory for electric dipole superconductivity with an application for bilayer excitons. <i>Scientific Reports</i> , 2015, 5, 11925.	3.3	9
94	High-Efficiency Cooper-Pair Splitter in Quantum Anomalous Hall Insulator Proximity-Coupled with Superconductor. <i>Scientific Reports</i> , 2015, 5, 14892.	3.3	17
95	Revisit the spin-FET: Multiple reflection, inelastic scattering and lateral size effects. <i>Scientific Reports</i> , 2015, 4, 7527.	3.3	6
96	Topological quantum transitions in a two-band Chern insulator with $n=2$. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 045601.	1.8	3
97	Superfluidity of a pure spin current in ultracold Bose gases. <i>Physical Review A</i> , 2015, 91, .	2.5	15
98	Spin-current diode with a ferromagnetic semiconductor. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	10
99	Bipolaronic blockade effect in quantum dots with negative charging energy. <i>Europhysics Letters</i> , 2014, 105, 47006.	2.0	7
100	Orbital Kondo effect in a parallel double quantum dot. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 435301.	1.8	9
101	Contact effects in spin transport along double-helical molecules. <i>Physical Review B</i> , 2014, 89, .	3.2	46
102	Delocalization and scaling properties of low-dimensional quasiperiodic systems. <i>Physical Review B</i> , 2014, 89, .	3.2	11
103	Nonlocal transport in a hybrid two-dimensional topological insulator. <i>Physical Review B</i> , 2014, 89, .	3.2	6
104	Effect of magnetic field on a magnetic topological insulator film with structural inversion asymmetry. <i>Physical Review B</i> , 2014, 89, .	3.2	13
105	The effect of dephasing on edge state transport through p-n junctions in HgTe/CdTe quantum wells. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 085301.	1.8	3
106	Electronic transport through tetrahedron-structured DNA-like system. <i>Frontiers of Physics</i> , 2014, 9, 774-779.	5.0	4
107	Spin-current Seebeck effect in quantum dot systems. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 045302.	1.8	11
108	Transport properties of Floquet topological superconductors at the transition from the topological phase to the Anderson localized phase. <i>Physical Review B</i> , 2014, 90, .	3.2	18

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109	Coexistence and decoupling of bulk and edge states in disordered two-dimensional topological insulators. <i>Physical Review B</i> , 2014, 90, .	3.2	17
110	Coherent single-spin source based on topological insulators. <i>Physical Review B</i> , 2014, 90, .	3.2	13
111	Spin-dependent electron transport in protein-like single-helical molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11658-11662.	7.1	166
112	Dephasing Effect on Backscattering of Helical Surface States in 3D Topological Insulators. <i>Physical Review Letters</i> , 2014, 113, 046805.	7.8	18
113	Spin-polarized $\frac{1}{2}$ state of graphene: A spin superconductor. <i>Physical Review B</i> , 2013, 87, .	3.2	4
114	A disorder induced field effect transistor in bilayer and trilayer graphene. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 105303.	1.8	3
115	Josephson junction on one edge of a two dimensional topological insulator affected by magnetic impurity. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 295301.	1.8	11
116	Ginzburg-Landau-type theory of spin superconductivity. <i>Nature Communications</i> , 2013, 4, 2951.	12.8	15
117	The electric Meissner effect in spin superconductor. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	4
118	Universal scheme to generate metal-insulator transition in disordered systems. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 415501.	1.8	1
119	Kondo phase transitions of magnetic impurities in carbon nanotubes. <i>Physical Review B</i> , 2013, 87, .	3.2	4
120	Detection of spinons via spin transport. <i>Physical Review B</i> , 2013, 88, .	3.2	27
121	Controllable valley polarization using graphene multiple topological line defects. <i>Physical Review B</i> , 2013, 87, .	3.2	79
122	Detecting zero-line mode in bilayer graphene via the quantum Hall effect. <i>Physical Review B</i> , 2013, 87, .	3.2	11
123	Time-averaged heat generation in a quantum dot driven by an alternating current bias. <i>Journal of Applied Physics</i> , 2012, 112, 124306.	2.5	16
124	One-dimensional quantum channel in a graphene line defect. <i>Physical Review B</i> , 2012, 86, .	3.2	49
125	Spin-polarized edge modes and snake states in HgTe/CdTe quantum wells under an antisymmetric magnetic field. <i>Physical Review B</i> , 2012, 86, .	3.2	15
126	Topological system with a twisting edge band: A position-dependent Hall resistance. <i>Physical Review B</i> , 2012, 85, .	3.2	1

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127	Spontaneous spin-triplet exciton condensation in ABC-stacked trilayer graphene. Physical Review B, 2012, 86, .	3.2	18
128	Dependence of topological Anderson insulator on the type of disorder. Physical Review B, 2012, 85, .	3.2	67
129	Spin-Selective Transport of Electrons in DNA Double Helix. Physical Review Letters, 2012, 108, 218102.	7.8	248
130	Sequence-dependent spin-selective tunneling along double-stranded DNA. Physical Review B, 2012, 86, .	3.2	68
131	Enhanced spin-polarized transport through DNA double helix by gate voltage. Physical Review B, 2012, 86, .	3.2	54
132	Phonon-assisted transport through quantum dots with normal and superconducting leads. Physical Review B, 2012, 86, .	3.2	25
133	Effect of Zeeman splitting and interlayer bias potential on electron transport in bilayer graphene. Physical Review B, 2012, 86, .	3.2	10
134	Transient heat generation in a quantum dot under a step-like pulse bias. Journal of Physics Condensed Matter, 2012, 24, 415302.	1.8	16
135	Current oscillation of snake states in graphene p - n junction. Physical Review B, 2012, 86, .	3.2	19
136	Effect of magnetic field on electron transport in HgTe/CdTe quantum wells: Numerical analysis. Physical Review B, 2012, 85, .	3.2	58
137	Quantum Andreev effect in two-dimensional HgTe/CdTe quantum well/superconductor systems. Physical Review B, 2011, 83, .	3.2	30
138	Dephasing effect on transport of a graphene p - n junction in a quantum Hall regime. Journal of Physics Condensed Matter, 2011, 23, 495301.	1.8	17
139	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
140	Spin superconductor in ferromagnetic graphene. Physical Review B, 2011, 84, .	3.2	34
141	Phonon-assisted transport through suspended carbon nanotube quantum dots. Physical Review B, 2011, 84, .	3.2	21
142	Parity of specular Andreev reflection under a mirror operation in a zigzag graphene ribbon. Physical Review B, 2011, 83, .	3.2	23
143	Reply to "Comment on "Scaling feature of magnetic field induced Kondo-peak splittings"	3.2	1
144	Quantum thermal Hall effect in graphene. Physical Review B, 2011, 84, .	3.2	18

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145	Theory of quantum spin Hall effect detection by measurements of the polarization resistance. Physical Review B, 2011, 83, .	3.2	3
146	The effect of disorder on the valley-dependent transport in zigzag graphene nanoribbons. Journal of Applied Physics, 2011, 109, 123718.	2.5	8
147	SymGF: a symbolic tool for quantum transport analysis and its application to a double quantum dot system. Journal of Physics Condensed Matter, 2011, 23, 415301.	1.8	3
148	Kondo Effect Versus Magnetic Coupling in Indirectly Coupled Double Quantum Dots. Communications in Theoretical Physics, 2010, 54, 933-937.	2.5	2
149	Scaling feature of magnetic field induced Kondo-peak splittings. Physical Review B, 2010, 82, .	3.2	6
150	Focusing of electron flow in a bipolar graphene ribbon with different chiralities. Physical Review B, 2010, 81, .	3.2	33
151	$C < T > - \text{Invariant Quantum Spin Hall Effect in Ferromagnetic Graphene. Physical Review Letters, 2010, 104, 066805.}$	7.8	59
152	Electrical preparation and readout of a single spin state in a quantum dot via spin bias. Physical Review B, 2010, 81, .	3.2	31
153	Electronic transport through a graphene-based ferromagnetic/normal/ferromagnetic junction. Journal of Physics Condensed Matter, 2010, 22, 035301.	1.8	27
154	Effect of disorder on longitudinal resistance of a graphene $p < \hat{a} > n < > \text{junc}$ in the quantum Hall regime. Physical Review B, 2010, 81, .	3.2	18
155	Spin polarization and giant magnetoresistance effect induced by magnetization in zigzag graphene nanoribbons. Physical Review B, 2010, 81, .	3.2	95
156	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
157	Topological Insulator: A New Quantized Spin Hall Resistance Robust to Dephasing. Physical Review Letters, 2009, 103, 036803.	7.8	88
158	Electric-current-induced heat generation in a strongly interacting quantum dot in the Coulomb blockade regime. Physical Review B, 2009, 79, .	3.2	47
159	Scanning tunneling spectroscopy of a magnetic atom on graphene in the Kondo regime. Europhysics Letters, 2009, 86, 58004.	2.0	34
160	Nernst and Seebeck effects in a graphene nanoribbon. Physical Review B, 2009, 80, .	3.2	73
161	Controllable Andreev Retroreflection and Specular Andreev Reflection in a Four-Terminal Graphene-Superconductor Hybrid System. Physical Review Letters, 2009, 103, 167003.	7.8	71
162	Quantum transport through a graphene nanoribbonâ€“superconductor junction. Journal of Physics Condensed Matter, 2009, 21, 344204.	1.8	91

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163	Numerical study of the topological Anderson insulator in HgTe/CdTe quantum wells. Physical Review B, 2009, 80, .	3.2	209
164	Spin bias measurement based on a quantum point contact. Applied Physics Letters, 2008, 93, 142107.	3.3	16
165	Josephson current transport through T-shaped double quantum dots. Journal of Physics Condensed Matter, 2008, 20, 505202.	1.8	11
166	Disorder-Induced Enhancement of Transport through Graphene p - n Junctions. Physical Review Letters, 2008, 101, 166806.	7.8	147
167	Persistent spin current in nanodevices and definition of the spin current. Physical Review B, 2008, 77, .	3.2	95
168	Influence of dephasing on the quantum Hall effect and the spin Hall effect. Physical Review B, 2008, 77, .	3.2	45
169	Double quantum dot as detector of spin bias. Physical Review B, 2008, 77, .	3.2	48
170	Spin Nernst effect and Nernst effect in two-dimensional electron systems. Physical Review B, 2008, 78, .	3.2	80
171	Transmission phase shift of phonon-assisted tunneling through a quantum dot. Physical Review B, 2008, 77, .	3.2	4
172	Quantum transport through circularly coupled triple quantum dots. Journal of Physics Condensed Matter, 2007, 19, 156213.	1.8	11
173	Measuring the phonon-assisted spectral function by using a nonequilibrium three-terminal single-molecular device. Physical Review B, 2007, 75, .	3.2	18
174	Symmetry and transport property of spin current induced spin-Hall effect. Physical Review B, 2007, 75, .	3.2	32
175	Response time of a normal-metal/superconductor hybrid system under a step-like pulse bias. Physical Review B, 2007, 75, .	3.2	19
176	Heat generation by electric current in mesoscopic devices. Physical Review B, 2007, 75, .	3.2	53
177	Thermal transport in a dielectric T-shaped quantum wire. Physical Review B, 2007, 75, .	3.2	56
178	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
179	Persistent Spin Current in a Mesoscopic Hybrid Ring with Spin-Orbit Coupling. Physical Review Letters, 2007, 98, 196801.	7.8	68
180	Bias-controllable intrinsic spin polarization in a quantum dot: Proposed scheme based on spin-orbit interaction. Physical Review B, 2006, 73, .	3.2	127

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181	Generating spin current using an ac magnetic field. <i>Physical Review B</i> , 2006, 73, .	3.2	8
182	A spin polarized device constructed with spin-orbit coupled semiconductors. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 10553-10560.	1.8	3
183	Nature of spin Hall effect in a finite ballistic two-dimensional system with Rashba and Dresselhaus spin-orbit interaction. <i>Physical Review B</i> , 2006, 73, .	3.2	29
184	Accumulation of opposite spins on the transverse edges of a two-dimensional electron gas in a longitudinal electric field. <i>Physical Review B</i> , 2006, 74, .	3.2	23
185	Numerical simulations of a ballistic spin interferometer with Rashba spin-orbital interaction. <i>Physical Review B</i> , 2006, 74, .	3.2	12
186	Spontaneous spin-polarized current in a nonuniform Rashba interaction system. <i>Physical Review B</i> , 2005, 71, .	3.2	100
187	Kondo transport through serially coupled triple quantum dots. <i>Physical Review B</i> , 2005, 72, .	3.2	50
188	Definition of the spin current: The angular spin current and its physical consequences. <i>Physical Review B</i> , 2005, 72, .	3.2	136
189	Quantum transport theory for nanostructures with Rashba spin-orbital interaction. <i>Physical Review B</i> , 2005, 71, .	3.2	295
190	Do Intradot Electron-Electron Interactions Induce Dephasing?. <i>Physical Review Letters</i> , 2004, 93, 076802.	7.8	15
191	Spin-current-induced electric field. <i>Physical Review B</i> , 2004, 69, .	3.2	58
192	ac Josephson effect in resonant tunneling through mesoscopic superconducting junctions. <i>Physical Review B</i> , 2004, 69, .	3.2	1
193	Writing spin in a quantum dot with ferromagnetic and superconducting electrodes. <i>Physical Review B</i> , 2004, 69, .	3.2	29
194	Spin-battery and spin-current transport through a quantum dot. <i>Physical Review B</i> , 2004, 69, .	3.2	74
195	Correlated two-electron transport: a principle for a charge pump. <i>Physical Review B</i> , 2003, 68, .	3.2	7
196	Gate-controllable spin battery. <i>Applied Physics Letters</i> , 2003, 83, 1397-1399.	3.3	79
197	A Spin Cell for Spin Current. <i>Physical Review Letters</i> , 2003, 90, 258301.	7.8	123
198	Double quantum dots: Kondo resonance induced by an interdot interaction. <i>Physical Review B</i> , 2002, 66, .	3.2	72

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199	Four-Terminal Thermal Conductance of Mesoscopic Dielectric Systems. <i>Physical Review Letters</i> , 2002, 89, 175901.	7.8	53
200	Microwave-induced $\tilde{\Gamma}$ -junction transition in a superconductor/quantum dot/superconductor structure. <i>Physical Review B</i> , 2002, 66, .	3.2	10
201	Probing spin states of coupled quantum dots by a dc Josephson current. <i>Physical Review B</i> , 2002, 66, .	3.2	14
202	Hamiltonian approach to the ac Josephson effect in superconducting-normal hybrid systems. <i>Physical Review B</i> , 2002, 65, .	3.2	32
203	Spin-polarized transport through a quantum dot: $\hat{\Lambda}$ -Anderson model with on-site Coulomb repulsion. <i>Physical Review B</i> , 2002, 65, .	3.2	174
204	Andreev bound states and the $\tilde{\Gamma}$ -junction transition in a superconductor/quantum-dot/superconductor system. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 8783-8798.	1.8	25
205	Extraordinary temperature dependence of the resonant Andreev reflection. <i>Physical Review B</i> , 2001, 64, .	3.2	8
206	Nonlinear transport theory for hybrid normal-superconducting devices. <i>Physical Review B</i> , 2001, 64, .	3.2	24
207	Kondo resonance in a multiprobe quantum dot. <i>Physical Review B</i> , 2001, 64, .	3.2	55
208	Andreev reflection through a quantum dot coupled with two ferromagnets and a superconductor. <i>Physical Review B</i> , 2001, 65, .	3.2	68
209	Excess Kondo Resonance in a Quantum Dot Device with Normal and Superconducting Leads: The Physics of Andreev-Normal Co-tunneling. <i>Physical Review Letters</i> , 2001, 87, 176601.	7.8	77
210	Theoretical study for a quantum-dot molecule irradiated by a microwave field. <i>Physical Review B</i> , 2000, 61, 12643-12646.	3.2	25
211	Electron transport through a mesoscopic hybrid multiterminal resonant-tunneling system. <i>Physical Review B</i> , 2000, 61, 4754-4761.	3.2	47
212	Control of the supercurrent in a mesoscopic four-terminal Josephson junction. <i>Physical Review B</i> , 2000, 62, 648-660.	3.2	41
213	Theory of excess noise of a quantum dot in the presence of a microwave field. <i>Physical Review B</i> , 2000, 61, 13032-13036.	3.2	28
214	Photon-assisted Andreev tunneling through a mesoscopic hybrid system. <i>Physical Review B</i> , 1999, 59, 13126-13138.	3.2	68
215	Resonant Andreev reflection in a normal-metal $\hat{\Lambda}$ -quantum-dot $\hat{\Lambda}$ -superconductor system. <i>Physical Review B</i> , 1999, 59, 3831-3840.	3.2	178
216	Breaking of phase rigidity by a time-varying field for a two-terminal modified Aharonov-Bohm ring. <i>Physical Review B</i> , 1999, 60, R13981-R13984.	3.2	12

#	ARTICLE	IF	CITATIONS
217	Transport through a strongly coupling quantum dot: Consideration of the off-diagonal self-energy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1999, 4, 201-210.	2.7	3
218	Transmission through an Aharonov-Bohm ring with two quantum dots. <i>Solid State Communications</i> , 1998, 106, 49-53.	1.9	0
219	Lack of quenching for the resonant transmission through an inhomogeneously oscillating quantum well. <i>Physical Review B</i> , 1998, 58, 2008-2012.	3.2	8
220	Transmission through a quantum dot in a four-terminal phase-coherent system. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3581-3593.	1.8	2
221	Photon sidebands of the ground state and the excited state of a quantum dot: A nonequilibrium Green-function approach. <i>Physical Review B</i> , 1998, 58, 13007-13014.	3.2	53
222	The transient transmission through a quantum dot under the influence of oscillating external fields. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3569-3579.	1.8	3
223	Influence of microwave fields on the electron tunneling through a quantum dot. <i>Physical Review B</i> , 1997, 56, 3591-3594.	3.2	48
224	Time-dependent electron tunnelling through a quantum dot with Coulomb interactions. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 4875-4886.	1.8	24
225	Transient current through a quantum dot with two time-dependent barriers. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 3043-3053.	1.8	10