

Jian Wang

List of Publications by Year in descending order

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257
papers

11,481
citations

53660

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100
g-index

257
all docs

257
docs citations

257
times ranked

5113
citing authors

#	ARTICLE	IF	CITATIONS
1	Ab initio modeling of quantum transport properties of molecular electronic devices. Physical Review B, 2001, 63, .	1.1	2,731
2	Quantum electrodynamics near a photonic band gap: Photon bound states and dressed atoms. Physical Review Letters, 1990, 64, 2418-2421.	2.9	681
3	Ab initio modeling of open systems: Charge transfer, electron conduction, and molecular switching of a C60 device. Physical Review B, 2001, 63, .	1.1	665
4	Quantum optics of localized light in a photonic band gap. Physical Review B, 1991, 43, 12772-12789.	1.1	339
5	Quantum transport theory for nanostructures with Rashba spin-orbital interaction. Physical Review B, 2005, 71, .	1.1	295
6	Creation of partial band gaps in anisotropic photonic-band-gap structures. Physical Review B, 1998, 58, 3721-3729.	1.1	202
7	Resonant Andreev reflection in a normal-metal-quantum-dot-superconductor system. Physical Review B, 1999, 59, 3831-3840.	1.1	178
8	Spin-polarized transport through a quantum dot: Anderson model with on-site Coulomb repulsion. Physical Review B, 2002, 65, .	1.1	174
9	Current Partition: A Nonequilibrium Green's Function Approach. Physical Review Letters, 1999, 82, 398-401.	2.9	171
10	Quantum spin field effect transistor. Physical Review B, 2003, 67, .	1.1	166
11	Time-dependent quantum transport far from equilibrium: An exact nonlinear response theory. Physical Review B, 2006, 74, .	1.1	161
12	Carbon Nanotube Based Magnetic Tunnel Junctions. Physical Review Letters, 2000, 84, 2682-2685.	2.9	153
13	Disorder-Induced Enhancement of Transport through Graphene Junctions. Physical Review Letters, 2008, 101, 166806.	2.9	147
14	A Spin Cell for Spin Current. Physical Review Letters, 2003, 90, 258301.	2.9	123
15	Time-dependent quantum transport: Direct analysis in the time domain. Physical Review B, 2005, 71, .	1.1	98
16	Parametric pumping at finite frequency. Physical Review B, 2002, 65, .	1.1	96
17	Persistent spin current in nanodevices and definition of the spin current. Physical Review B, 2008, 77, .	1.1	95
18	Resonant transmission through finite-sized carbon nanotubes. Physical Review B, 2001, 63, .	1.1	80

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19	Gate-controllable spin battery. Applied Physics Letters, 2003, 83, 1397-1399.	1.5	79
20	Resonance-assisted parametric electron pump. Physical Review B, 2000, 62, 9947-9950.	1.1	76
21	Nonlinear Spin Polarized Transport through a Ferromagnetic-Nonmagnetic-Ferromagnetic Junction. Journal of the Physical Society of Japan, 2001, 70, 2645-2651.	0.7	75
22	Nernst and Seebeck effects in a graphene nanoribbon. Physical Review B, 2009, 80, .	1.1	73
23	Spin-dependent transport in Fe-doped carbon nanotubes. Physical Review B, 2007, 75, .	1.1	72
24	Controllable Andreev Retroreflection and Specular Andreev Reflection in a Four-Terminal Graphene-Superconductor Hybrid System. Physical Review Letters, 2009, 103, 167003.	2.9	71
25	Photon-assisted Andreev tunneling through a mesoscopic hybrid system. Physical Review B, 1999, 59, 13126-13138.	1.1	68
26	Persistent Spin Current in a Mesoscopic Hybrid Ring with Spin-Orbit Coupling. Physical Review Letters, 2007, 98, 196801.	2.9	68
27	Dynamic Conductance of Carbon Nanotubes. Physical Review Letters, 2000, 84, 2921-2924.	2.9	67
28	Quantized conductance of Si atomic wires. Physical Review B, 1997, 56, R4351-R4354.	1.1	66
29	Capacitance of Atomic Junctions. Physical Review Letters, 1998, 80, 4277-4280.	2.9	66
30	Universal Spin-Hall Conductance Fluctuations in Two Dimensions. Physical Review Letters, 2006, 97, 066603.	2.9	64
31	Spin-dependent Seebeck effects in graphene-based molecular junctions. Physical Review B, 2016, 93, .	1.1	63
32	Ferroelectricity and tunneling electroresistance effect driven by asymmetric polar interfaces in all-oxide ferroelectric tunnel junctions. Applied Physics Letters, 2016, 108, .	1.5	61
33	Spin-current-induced electric field. Physical Review B, 2004, 69, .	1.1	58
34	Quantum inductance and negative electrochemical capacitance at finite frequency in a two-plate quantum capacitor. Physical Review B, 2007, 75, .	1.1	58
35	Quasibound states in two-dimensional quantum wires. Applied Physics Letters, 1994, 65, 1793-1795.	1.5	57
36	Quantum transport through atomic wires. Applied Physics Letters, 1997, 71, 419-421.	1.5	57

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37	Magnetoconductance of a stadium-shaped quantum dot: A finite-element-method approach. <i>Physical Review B</i> , 1994, 49, 1928-1934.	1.1	54
38	Current plateaus of nonadiabatic charge pump: Multiphoton assisted processes. <i>Physical Review B</i> , 2003, 68, .	1.1	54
39	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.	1.1	53
40	Full-counting statistics of charge and spin transport in the transient regime: A nonequilibrium Green's function approach. <i>Physical Review B</i> , 2014, 90, .	1.1	52
41	Universal conductivity in the two-dimensional boson Hubbard model. <i>Physical Review B</i> , 1993, 48, 9628-9635.	1.1	50
42	Nonlinear I - V characteristics of a mesoscopic conductor. <i>Journal of Applied Physics</i> , 1999, 86, 5094-5102.	1.1	50
43	Quantitative Analysis of Nonequilibrium Spin Injection into Molecular Tunnel Junctions. <i>Physical Review Letters</i> , 2008, 100, 056803.	2.9	48
44	Waiting time distribution of quantum electronic transport in the transient regime. <i>Physical Review B</i> , 2014, 89, .	1.1	48
45	Global discovery of stable and non-toxic hybrid organic-inorganic perovskites for photovoltaic systems by combining machine learning method with first principle calculations. <i>Nano Energy</i> , 2019, 66, 104070.	8.2	48
46	Electron transport through a mesoscopic hybrid multiterminal resonant-tunneling system. <i>Physical Review B</i> , 2000, 61, 4754-4761.	1.1	47
47	Influence of dephasing on the quantum Hall effect and the spin Hall effect. <i>Physical Review B</i> , 2008, 77, .	1.1	45
48	Weakly nonlinear ac response: Theory and application. <i>Physical Review B</i> , 1999, 59, 7575-7578.	1.1	44
49	Heat current in a parametric quantum pump. <i>Physical Review B</i> , 2002, 66, .	1.1	44
50	Enhancement of parametric pumping due to Andreev reflection. <i>Applied Physics Letters</i> , 2001, 79, 3977-3979.	1.5	43
51	Ab initio calculation of transverse spin current in graphene nanostructures. <i>Physical Review B</i> , 2009, 79, .	1.1	43
52	Relation between nonequilibrium Green's function and Lippmann-Schwinger formalism in the first-principles quantum transport theory. <i>Physical Review B</i> , 2009, 79, .	1.1	42
53	Photogalvanic effect induced fully spin polarized current and pure spin current in zigzag SiC nanoribbons. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26744-26751.	1.3	42
54	Control of the supercurrent in a mesoscopic four-terminal Josephson junction. <i>Physical Review B</i> , 2000, 62, 648-660.	1.1	41

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55	Giant magnetoresistance and perfect spin filter effects in manganese phthalocyanine based molecular junctions. <i>Nanoscale</i> , 2017, 9, 12684-12689.	2.8	41
56	Scattering matrix theory for nonlinear transport. <i>Physical Review B</i> , 1998, 57, 9108-9113.	1.1	39
57	First-principles investigation of transient current in molecular devices by using complex absorbing potentials. <i>Physical Review B</i> , 2013, 87, .	1.1	39
58	Resonant Andreev reflections in superconductor-carbon-nanotube devices. <i>Physical Review B</i> , 2001, 63, .	1.1	38
59	Oscillatory thermopower of carbon chains: First-principles calculations. <i>Physical Review B</i> , 2005, 71, .	1.1	38
60	Full Band Gap in Fcc and Bcc Photonic Band Gaps Structure: Non-Spherical Atom. <i>Journal of the Physical Society of Japan</i> , 1998, 67, 3288-3291.	0.7	37
61	Structural and transport properties of aluminum atomic wires. <i>Physical Review B</i> , 1998, 58, 13138-13145.	1.1	37
62	Thermoelectric transport properties in atomic scale conductors. <i>Journal of Chemical Physics</i> , 2004, 121, 8537.	1.2	37
63	Electron waveguide coupler: A four-terminal device. <i>Applied Physics Letters</i> , 1991, 59, 3075-3077.	1.5	36
64	Carbon nanotube parametric electron pump: A molecular device. <i>Physical Review B</i> , 2001, 64, .	1.1	36
65	Zeeman-split mesoscopic transport through a normal-metal-quantum-dot-superconductor system with ac response. <i>Physical Review B</i> , 2001, 64, .	1.1	36
66	First-principles investigation of transient dynamics of molecular devices. <i>Physical Review B</i> , 2012, 86, .	1.1	36
67	Parametric quantum spin pump. <i>Physical Review B</i> , 2003, 68, .	1.1	34
68	Ballistic-electron transport through a coupled-quantum-wire system. <i>Physical Review B</i> , 1992, 46, 2420-2427.	1.1	33
69	Hamiltonian approach to the ac Josephson effect in superconducting-normal hybrid systems. <i>Physical Review B</i> , 2002, 65, .	1.1	32
70	Symmetry and transport property of spin current induced spin-Hall effect. <i>Physical Review B</i> , 2007, 75, .	1.1	32
71	Total-energy calculations using a gradient-expanded kinetic-energy functional. <i>Physical Review B</i> , 1994, 50, 11175-11178.	1.1	31
72	Nonlinear voltage dependence of shot noise. <i>Physical Review B</i> , 1999, 60, 16900-16905.	1.1	31

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73	A spin injector. Applied Physics Letters, 2004, 85, 2553-2555.	1.5	31
74	Current conserving nonequilibrium ac transport theory. Physical Review B, 2009, 79, .	1.1	31
75	The extension of self-avoiding random walk series in two dimensions. Journal of Physics A, 1991, 24, 3107-3109.	1.6	30
76	Many-electron effects on ballistic transport. Physical Review B, 1995, 52, 2738-2746.	1.1	30
77	Nonlinear quantum capacitance. Applied Physics Letters, 1999, 74, 2887-2889.	1.5	30
78	Quantization of adiabatic pumped charge in the presence of superconducting lead. Physical Review B, 2002, 65, .	1.1	30
79	Capacitance, induced charges, and bound states of biased carbon nanotube systems. Physical Review B, 2004, 69, .	1.1	30
80	Impact of the cap layer on the electronic structures and optical properties of self-assembled InAs/GaAs quantum dots. Physical Review B, 2006, 74, .	1.1	30
81	Giant tunnel magneto-resistance in graphene based molecular tunneling junction. Nanoscale, 2016, 8, 3432-3438.	2.8	30
82	Nature of spin Hall effect in a finite ballistic two-dimensional system with Rashba and Dresselhaus spin-orbit interaction. Physical Review B, 2006, 73, .	1.1	29
83	Nonadiabatic quantum spin pump: Interplay between spatial interference and photon-assisted tunneling in two-dimensional Rashba systems. Physical Review B, 2007, 75, .	1.1	29
84	Transient dynamics of molecular devices under a step-like pulse bias. Physical Review B, 2010, 81, .	1.1	29
85	Full-counting statistics of transient energy current in mesoscopic systems. Physical Review B, 2016, 93, .	1.1	29
86	Theory of excess noise of a quantum dot in the presence of a microwave field. Physical Review B, 2000, 61, 13032-13036.	1.1	28
87	Shot noise of spin current. Physical Review B, 2004, 69, .	1.1	28
88	Universal Quantized Spin-Hall Conductance Fluctuation in Graphene. Physical Review Letters, 2008, 101, 016804.	2.9	28
89	Resonant tunneling through a bend in a quantum wire. Applied Physics Letters, 1992, 60, 654-656.	1.5	27
90	Spin-valve effect in a carbon atomic wire. Physical Review B, 2004, 70, .	1.1	27

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91	Current fluctuations in the transient regime: An exact formulation for mesoscopic systems. Physical Review B, 2008, 77, .	1.1	27
92	Bond Orientational Order in the Randomly Diluted Elastic Network. Physical Review Letters, 1985, 55, 2459-2462.	2.9	26
93	All-electrical generation of spin-polarized currents in quantum spin Hall insulators. Physical Review B, 2017, 95, .	1.1	26
94	The bond-bending model in three dimensions. Journal of Physics A, 1989, 22, L291-L295.	1.6	25
95	Parity anomaly of bound states and optical properties in semiconductor superlattices with structural defects. Physical Review B, 1998, 58, 4629-4635.	1.1	25
96	Theoretical study for a quantum-dot molecule irradiated by a microwave field. Physical Review B, 2000, 61, 12643-12646.	1.1	25
97	Rigorous electromagnetic analysis of a microcylindrical axilens with long focal depth and high transverse resolution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1465.	0.8	25
98	Spin-polarized parametric pumping: Theory and numerical results. Physical Review B, 2002, 66, .	1.1	25
99	Thermal quenching of luminescence from buried and surface InGaAs self-assembled quantum dots with high sheet density. Journal of Applied Physics, 2005, 98, 084305.	1.1	25
100	Effect of thermal fluctuations of twist angles on charge transport in DNA: A model calculation. Physical Review B, 2005, 72, .	1.1	25
101	Models for the Structure and Electronic Transmission of Carbon Nanotubes Covalently Linked by a Molecular Bridge via Amide Couplings. Journal of Physical Chemistry C, 2007, 111, 3700-3704.	1.5	25
102	Oscillation of dynamic conductance of $\langle \text{Al-C} \rangle$ Nonequilibrium Green's function and density functional theory study. Physical Review B, 2009, 79, .	1.1	25
103	Electrochemical capacitance of a leaky nanocapacitor. Physical Review B, 1999, 60, 16730-16740.	1.1	24
104	Nonlinear transport theory for hybrid normal-superconducting devices. Physical Review B, 2001, 64, .	1.1	24
105	Spin current carried by magnons. Physical Review B, 2004, 69, .	1.1	24
106	Giant enhancement of dynamic conductance in molecular devices. Physical Review B, 2005, 72, .	1.1	24
107	Universal transport properties of three-dimensional topological insulator nanowires. Physical Review B, 2014, 89, .	1.1	24
108	Definition of current density in the presence of a non-local potential. Nanotechnology, 2008, 19, 155401.	1.3	23

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109	Rectifying full-counting statistics in a spin Seebeck engine. <i>Physical Review B</i> , 2018, 97, .	1.1	23
110	Spin pump in the presence of a superconducting lead. <i>Physical Review B</i> , 2004, 70, .	1.1	22
111	Spin Current due to Spinlike Andreev Reflection. <i>Physical Review Letters</i> , 2005, 95, 086608.	2.9	22
112	First-principles investigation of transport properties through longitudinal unzipped carbon nanotubes. <i>Physical Review B</i> , 2010, 81, .	1.1	22
113	Excitation Dependent Phosphorous Property and New Model of the Structured Green Luminescence in ZnO. <i>Scientific Reports</i> , 2017, 7, 41460.	1.6	22
114	Current conservation in two-dimensional ac transport. <i>Physical Review B</i> , 1997, 55, 9770-9774.	1.1	21
115	Critical slowing down of the two-dimensional kinetic Ising model with Glauber dynamics. <i>Physical Review B</i> , 1993, 47, 869-871.	1.1	20
116	Resonance states of open quantum dots. <i>Physical Review B</i> , 1996, 53, 16408-16413.	1.1	20
117	Dynamic admittance of atomic wires. <i>Physical Review B</i> , 1997, 55, R13393-R13396.	1.1	20
118	Optimal quantum pump in the presence of a superconducting lead. <i>Physical Review B</i> , 2002, 66, .	1.1	20
119	Carbon-nanotube-based quantum pump in the presence of a superconducting lead. <i>Physical Review B</i> , 2002, 66, .	1.1	20
120	Photon-assisted shot noise in the mesoscopic system with a toroidal carbon nanotube coupled to normal-metal leads perturbed by ac fields. <i>Physical Review B</i> , 2006, 74, .	1.1	20
121	Deep Mining Stable and Nontoxic Hybrid Organic-Inorganic Perovskites for Photovoltaics via Progressive Machine Learning. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57821-57831.	4.0	20
122	Response time of a normal-metal/superconductor hybrid system under a step-like pulse bias. <i>Physical Review B</i> , 2007, 75, .	1.1	19
123	Electronic states and magnetotransport in quantum waveguides with nonuniform magnetic fields. <i>Physical Review B</i> , 1997, 56, 13434-13441.	1.1	18
124	ac transport through a resonant level between ferromagnetic electrodes. <i>Physical Review B</i> , 2004, 70, .	1.1	18
125	Heat current and spin current through a carbon-nanotube-based molecular quantum pump. <i>Physical Review B</i> , 2004, 70, .	1.1	18
126	ac response of an atomic tunnel junction. <i>Physical Review B</i> , 2000, 61, 13121-13126.	1.1	17

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127	First-principles investigation of carbon nanotube capacitance. <i>Physical Review B</i> , 2003, 67, .	1.1	17
128	Emerging negative differential resistance effects and novel tunable electronic behaviors of the broken-gap $\text{KAgSe/SiC}_{2/2}$ van der Waals heterojunction. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8107-8119.	2.7	17
129	Low frequency and weakly non-linear conductance of a double-barrier structure: an exact solution. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 463-467.	1.1	16
130	Mesoscopic spin-flip transport through a quantum dot system responded by ac magnetic fields. <i>European Physical Journal B</i> , 2005, 44, 93-100.	0.6	16
131	Conservation of spin current: Model including self-consistent spin-spin interaction. <i>Physical Review B</i> , 2006, 74, .	1.1	16
132	Spin bias measurement based on a quantum point contact. <i>Applied Physics Letters</i> , 2008, 93, 142107.	1.5	16
133	Universal conductance fluctuation of mesoscopic systems in the metal-insulator crossover regime. <i>Physical Review B</i> , 2010, 81, .	1.1	16
134	Dynamic and nonlinear magnetoconductance: Numerical analysis in two dimensions. <i>Physical Review B</i> , 1999, 59, 538-545.	1.1	15
135	A variant transfer matrix method suitable for transport through multi-probe systems. <i>Nanotechnology</i> , 2007, 18, 435402.	1.3	15
136	First-principles investigation of alternating current density distribution in molecular devices. <i>Physical Review B</i> , 2012, 86, .	1.1	15
137	A novel electrically controllable volatile memory device based on few-layer black phosphorus. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2460-2466.	2.7	15
138	Valley filtering effect of phonons in graphene with a grain boundary. <i>Physical Review B</i> , 2019, 99, .	1.1	15
139	Effects of inelastic processes on the transmission in a coupled-quantum-wire system. <i>Physical Review B</i> , 1993, 47, 4348-4355.	1.1	14
140	Time-dependent transport in two-dimensional quantum-wire structures. <i>Physical Review B</i> , 1993, 48, 12072-12075.	1.1	14
141	Parametric electron pumping through a quantum dot in the Kondo regime. <i>Physical Review B</i> , 2002, 65, .	1.1	14
142	Thermal conductance for single wall carbon nanotubes. <i>European Physical Journal B</i> , 2002, 25, 233-238.	0.6	14
143	Influence of capping layer and atomic interdiffusion on the strain distribution in single and double self-assembled $\text{InAs}^{\wedge}\text{-GaAs}$ quantum dots. <i>Applied Physics Letters</i> , 2008, 92, 083112.	1.5	14
144	Spin-resolved electron waiting times in a quantum-dot spin valve. <i>Physical Review B</i> , 2018, 97, .	1.1	14

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145	Many-electron effects on transport through two-dimensional quantum structures. Journal of Applied Physics, 1994, 75, 2721-2723.	1.1	13
146	Coherent resonant transport through a mesoscopic system with quantum ac microwave field. European Physical Journal B, 1999, 9, 513-524.	0.6	13
147	Carbon nanotubes in the Coulomb blockade regime. Physical Review B, 2001, 63, .	1.1	13
148	Breaking of phase rigidity by a time-varying field for a two-terminal modified Aharonov-Bohm ring. Physical Review B, 1999, 60, R13981-R13984.	1.1	12
149	Low-Field Phase Diagram of the Spin Hall Effect in the Mesoscopic Regime. Physical Review Letters, 2007, 98, 196402.	2.9	12
150	Time-dependent quantum transport theory from non-equilibrium Green's function approach. Journal of Computational Electronics, 2013, 12, 343-355.	1.3	12
151	Investigation of transient heat current from first principles using complex absorbing potential. Physical Review B, 2014, 90, .	1.1	12
152	Transport properties of WSe_2 heterojunctions: A first-principles study. Physical Review B, 2015, 91, .	1.1	12
153	Thermodynamics of energy, charge, and spin currents in a thermoelectric quantum-dot spin valve. Physical Review B, 2018, 97, .	1.1	12
154	Two-dimensional few-layered PCl_3 as a promising photocatalyst for overall water splitting. Physical Chemistry Chemical Physics, 2020, 22, 9477-9486.	1.3	12
155	Frequency-dependent admittance of a two-dimensional quantum wire. Physical Review B, 1996, 54, R11090-R11093.	1.1	11
156	Tunneling transmission in two quantum wires coupled by a magnetically defined barrier. Journal of Applied Physics, 1997, 82, 6083-6088.	1.1	11
157	Conductance fluctuations and higher order moments of a disordered carbon nanotube. Physical Review B, 2005, 72, .	1.1	11
158	Multi-photon behaviors of shot noise in a quantum dot system under the perturbation of two microwave fields. European Physical Journal B, 2007, 59, 329-342.	0.6	11
159	Thermal rectification in a double quantum dots system with a polaron effect. Physical Review B, 2018, 97, .	1.1	11
160	Shot noise in a superconducting hybrid molecular device. Nanotechnology, 2006, 17, 489-495.	1.3	10
161	Short-time dynamics of molecular junctions after projective measurement. Physical Review B, 2017, 96, .	1.1	10
162	Two-dimensional spin-1/2 Heisenberg antiferromagnet at finite temperature. Physical Review B, 1991, 44, 2396-2398.	1.1	9

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163	Aharonov-Bohm effect induced by mutual inductance for an array of mesoscopic rings. Physical Review B, 1995, 52, 14829-14833.	1.1	9
164	Weakly nonlinear quantum transport: An exactly solvable model. Physical Review B, 1997, 55, 9763-9769.	1.1	9
165	Low-frequency quantum transport in a three-probe mesoscopic conductor. Physical Review B, 1997, 56, 12462-12468.	1.1	9
166	Charge relaxation resistance at atomic scale: Anab initio calculation. Physical Review B, 2008, 77, .	1.1	9
167	Splay Rigidity in the Anisotropic Superelastic Network. Europhysics Letters, 1988, 6, 157-161.	0.7	8
168	Application of the thermodynamic cycle perturbation method to systems with nonadditive potentials. Journal of Chemical Physics, 1990, 93, 2762-2768.	1.2	8
169	Lack of quenching for the resonant transmission through an inhomogeneously oscillating quantum well. Physical Review B, 1998, 58, 2008-2012.	1.1	8
170	Electronic transport through single-wall nicked carbon nanotubes. Physical Review B, 2004, 69, .	1.1	8
171	The thermoelectric transport through carbon chains. Carbon, 2005, 43, 2786-2791.	5.4	8
172	Generating spin current using an ac magnetic field. Physical Review B, 2006, 73, .	1.1	8
173	Numerical study of parametric pumping current in mesoscopic systems in the presence of a magnetic field. Physical Review B, 2011, 84, .	1.1	8
174	A gauge invariant theory for time dependent heat current. New Journal of Physics, 2015, 17, 053034.	1.2	8
175	Fast algorithm for transient current through open quantum systems. Physical Review B, 2017, 95, .	1.1	8
176	Nonlinear Hall effect induced by internal Coulomb interaction and phase relaxation process in a four-terminal system with time-reversal symmetry. Physical Review B, 2022, 105, .	1.1	8
177	Valley-symmetry-broken magnetic topological responses in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Pt} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle$. Physical Review B, 2022, 105, .	1.1	8
178	Jacutingaite family: An efficient platform for coexistence of spin valley Hall effects, valley spin-valve realization, and layer spin crossover. Physical Review B, 2022, 105, .	1.1	8
179	Bond-diluted rigid animals for central force model. Journal of Physics A, 1988, 21, L353-L356.	1.6	7
180	Emission fluctuations in a mesoscopic diffusive conductor. Physical Review B, 2000, 62, 10774-10778.	1.1	7

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181	Statistical correlation for a three-terminal normal-metalâ€“superconductorâ€“ superconductor hybrid system. <i>Physical Review B</i> , 2003, 67, .	1.1	7
182	Correlated two-electron transport:â€“fA principle for a charge pump. <i>Physical Review B</i> , 2003, 68, .	1.1	7
183	Charge and spin currents tunnelling through a toroidal carbon nanotube side-coupled with a quantum dot. <i>European Physical Journal B</i> , 2006, 51, 425-433.	0.6	7
184	Shot noise of charge current and spin current in the presence of Rashba interaction. <i>Nanotechnology</i> , 2007, 18, 145401.	1.3	7
185	Emission fluctuation of mesoscopic conductors in the presence of disorders. <i>Nanotechnology</i> , 2008, 19, 435402.	1.3	7
186	First-principles calculation of chiral current and quantum self-inductance of carbon nanotubes. <i>Physical Review B</i> , 2009, 80, .	1.1	7
187	First-principles investigation of transient spin transfer torque in magnetic multilayer systems. <i>Physical Review B</i> , 2017, 96, .	1.1	7
188	Transport induced dimer state from topological corner states. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	7
189	A high-temperature quantum anomalous Hall effect in electrified gadolinium monohalides. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9539-9544.	2.7	7
190	Universal co-existence of photovoltaics and ferroelectricity from a two-dimensional 3R bilayer BX (X) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	7
191	Wang and Harris Respond. <i>Physical Review Letters</i> , 1986, 56, 1426-1426.	2.9	6
192	Resistivity and Elasticity Exponents for Lattice Animals. <i>Europhysics Letters</i> , 1988, 6, 615-619.	0.7	6
193	Series approach to the randomly diluted elastic network. <i>Physical Review B</i> , 1992, 45, 7084-7093.	1.1	6
194	Investigation of timeâ€“dependent resonant interband tunneling. <i>Journal of Applied Physics</i> , 1994, 75, 2724-2726.	1.1	6
195	Efficient method for calculating the transmission coefficient of twoâ€“dimensional quantum wire structures. <i>Journal of Applied Physics</i> , 1996, 80, 4208-4210.	1.1	6
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