

Jian Wang

List of Publications by Year in descending order

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257
papers

11,481
citations

53660

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257
times ranked

5113
citing authors

#	ARTICLE	IF	CITATIONS
19	Thermodynamics of energy, charge, and spin currents in a thermoelectric quantum-dot spin valve. <i>Physical Review B</i> , 2018, 97, .	1.1	12
20	Spin-resolved electron waiting times in a quantum-dot spin valve. <i>Physical Review B</i> , 2018, 97, .	1.1	14
21	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
22	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
23	Magnetization dynamics induced by the Rashba effect in ferromagnetic films. <i>Nanoscale</i> , 2018, 10, 18728-18733.	2.8	1
24	Thermal rectification in a double quantum dots system with a polaron effect. <i>Physical Review B</i> , 2018, 97, .	1.1	11
25	Excitation Dependent Phosphorous Property and New Model of the Structured Green Luminescence in ZnO. <i>Scientific Reports</i> , 2017, 7, 41460.	1.6	22
26	All-electrical generation of spin-polarized currents in quantum spin Hall insulators. <i>Physical Review B</i> , 2017, 95, .	1.1	26
27	Fast algorithm for transient current through open quantum systems. <i>Physical Review B</i> , 2017, 95, .	1.1	8
28	Full counting statistics of conductance for disordered systems. <i>Physical Review B</i> , 2017, 96, .	1.1	6
29	Role of free electrons in phosphorescence in n-type wide bandgap semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30332-30338.	1.3	4
30	Short-time dynamics of molecular junctions after projective measurement. <i>Physical Review B</i> , 2017, 96, .	1.1	10
31	Entanglement entropy fluctuation and distribution for open systems. <i>Physical Review B</i> , 2017, 95, .	1.1	5
32	Giant magnetoresistance and perfect spin filter effects in manganese phthalocyanine based molecular junctions. <i>Nanoscale</i> , 2017, 9, 12684-12689.	2.8	41
33	First-principles investigation of transient spin transfer torque in magnetic multilayer systems. <i>Physical Review B</i> , 2017, 96, .	1.1	7
34	Ferroelectricity and tunneling electroresistance effect driven by asymmetric polar interfaces in all-oxide ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	61
35	Full-counting statistics of transient energy current in mesoscopic systems. <i>Physical Review B</i> , 2016, 93, .	1.1	29
36	Spin-dependent Seebeck effects in graphene-based molecular junctions. <i>Physical Review B</i> , 2016, 93, .	1.1	63

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37	Giant tunnel magneto-resistance in graphene based molecular tunneling junction. <i>Nanoscale</i> , 2016, 8, 3432-3438.	2.8	30
38	Transport properties of WSe_2 heterojunctions: A first-principles study. <i>Physical Review B</i> , 2015, 91, .	1.1	12
39	A gauge invariant theory for time dependent heat current. <i>New Journal of Physics</i> , 2015, 17, 053034.	1.2	8
40	Waiting time distribution of quantum electronic transport in the transient regime. <i>Physical Review B</i> , 2014, 89, .	1.1	48
41	Investigation of transient heat current from first principles using complex absorbing potential. <i>Physical Review B</i> , 2014, 90, .	1.1	12
42	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
43	Statistical properties of electrochemical capacitance in disordered mesoscopic capacitors. <i>Physical Review B</i> , 2014, 89, .	1.1	6
44	Universal transport properties of three-dimensional topological insulator nanowires. <i>Physical Review B</i> , 2014, 89, .	1.1	24
45	Time-dependent quantum transport theory from non-equilibrium Green's function approach. <i>Journal of Computational Electronics</i> , 2013, 12, 343-355.	1.3	12
46	First-principles investigation of transient current in molecular devices by using complex absorbing potentials. <i>Physical Review B</i> , 2013, 87, .	1.1	39
47	First-principles investigation of transient dynamics of molecular devices. <i>Physical Review B</i> , 2012, 86, .	1.1	36
48	First-principles investigation of alternating current density distribution in molecular devices. <i>Physical Review B</i> , 2012, 86, .	1.1	15
49	First-principles calculation of the Andreev conductance of carbon wires. <i>Physical Review B</i> , 2012, 86, .	1.1	6
50	Numerical study of parametric pumping current in mesoscopic systems in the presence of a magnetic field. <i>Physical Review B</i> , 2011, 84, .	1.1	8
51	First-principles investigation of transport properties through longitudinal unzipped carbon nanotubes. <i>Physical Review B</i> , 2010, 81, .	1.1	22
52	Universal conductance fluctuation of mesoscopic systems in the metal-insulator crossover regime. <i>Physical Review B</i> , 2010, 81, .	1.1	16
53	Transient dynamics of molecular devices under a step-like pulse bias. <i>Physical Review B</i> , 2010, 81, .	1.1	29
54	Theoretical investigation of how edge states are destroyed in disordered mesoscopic samples. <i>Physical Review B</i> , 2009, 79, .	1.1	3

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73	Universal Quantized Spin-Hall Conductance Fluctuation in Graphene. <i>Physical Review Letters</i> , 2008, 101, 016804.	2.9	28
74	Theory of nonequilibrium transient transport in nanostructures. <i>International Journal of Nanotechnology</i> , 2008, 5, 1094.	0.1	0
75	A variant transfer matrix method suitable for transport through multi-probe systems. <i>Nanotechnology</i> , 2007, 18, 435402.	1.3	15
76	Shot noise of charge current and spin current in the presence of Rashba interaction. <i>Nanotechnology</i> , 2007, 18, 145401.	1.3	7
77	Nonadiabatic quantum spin pump: Interplay between spatial interference and photon-assisted tunneling in two-dimensional Rashba systems. <i>Physical Review B</i> , 2007, 75, .	1.1	29
78	Symmetry and transport property of spin current induced spin-Hall effect. <i>Physical Review B</i> , 2007, 75, .	1.1	32
79	Statistical analysis for current fluctuations in a disordered quantum pump. <i>Physical Review B</i> , 2007, 76, .	1.1	0
80	Low-Field Phase Diagram of the Spin Hall Effect in the Mesoscopic Regime. <i>Physical Review Letters</i> , 2007, 98, 196402.	2.9	12
81	Quantum inductance and negative electrochemical capacitance at finite frequency in a two-plate quantum capacitor. <i>Physical Review B</i> , 2007, 75, .	1.1	58
82	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
83	Spin-dependent transport in Fe-doped carbon nanotubes. <i>Physical Review B</i> , 2007, 75, .	1.1	72
84	Models for the Structure and Electronic Transmission of Carbon Nanotubes Covalently Linked by a Molecular Bridge via Amide Couplings. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3700-3704.	1.5	25
85	Persistent Spin Current in a Mesoscopic Hybrid Ring with Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2007, 98, 196801.	2.9	68
86	Multi-photon behaviors of shot noise in a quantum dot system under the perturbation of two microwave fields. <i>European Physical Journal B</i> , 2007, 59, 329-342.	0.6	11
87	Impact of the cap layer on the electronic structures and optical properties of self-assembled InAs/GaAs quantum dots. <i>Physical Review B</i> , 2006, 74, .	1.1	30
88	Universal Spin-Hall Conductance Fluctuations in Two Dimensions. <i>Physical Review Letters</i> , 2006, 97, 066603.	2.9	64
89	Time-dependent quantum transport far from equilibrium: An exact nonlinear response theory. <i>Physical Review B</i> , 2006, 74, .	1.1	161
90	Conservation of spin current: Model including self-consistent spin-spin interaction. <i>Physical Review B</i> , 2006, 74, .	1.1	16

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91	Shot noise in a superconducting hybrid molecular device. <i>Nanotechnology</i> , 2006, 17, 489-495.	1.3	10
92	Generating spin current using an ac magnetic field. <i>Physical Review B</i> , 2006, 73, .	1.1	8
93	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
94	Carbon nanotube-based quantum spin pump. <i>New Journal of Physics</i> , 2006, 8, 73-73.	1.2	5
95	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, .	1.1	29
96	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
97	Quantum transport through C48N12 based atomic devices. <i>Journal of Chemical Physics</i> , 2006, 124, 114702.	1.2	4
98	NONLINEAR THERMOELECTRIC TRANSPORT THROUGH A DOUBLE BARRIER STRUCTURE. <i>Modern Physics Letters B</i> , 2006, 20, 215-223.	1.0	3
99	The thermoelectric transport through carbon chains. <i>Carbon</i> , 2005, 43, 2786-2791.	5.4	8
100	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
101	Giant enhancement of dynamic conductance in molecular devices. <i>Physical Review B</i> , 2005, 72, .	1.1	24
102	Thermal quenching of luminescence from buried and surface InGaAs self-assembled quantum dots with high sheet density. <i>Journal of Applied Physics</i> , 2005, 98, 084305.	1.1	25
103	Spin Current due to Spinlike Andreev Reflection. <i>Physical Review Letters</i> , 2005, 95, 086608.	2.9	22
104	Effect of thermal fluctuations of twist angles on charge transport in DNA: A model calculation. <i>Physical Review B</i> , 2005, 72, .	1.1	25
105	Negative electrochemical capacitance for a double-quantum-dot device. <i>Journal of Applied Physics</i> , 2005, 98, 086103.	1.1	5
106	Time-dependent quantum transport: Direct analysis in the time domain. <i>Physical Review B</i> , 2005, 71, .	1.1	98
107	Oscillatory thermopower of carbon chains: First-principles calculations. <i>Physical Review B</i> , 2005, 71, .	1.1	38
108	Conductance fluctuations and higher order moments of a disordered carbon nanotube. <i>Physical Review B</i> , 2005, 72, .	1.1	11

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109	Quantum transport theory for nanostructures with Rashba spin-orbital interaction. Physical Review B, 2005, 71, .	1.1	295
110	Shot noise of spin current. Physical Review B, 2004, 69, .	1.1	28
111	Thermoelectric transport properties in atomic scale conductors. Journal of Chemical Physics, 2004, 121, 8537.	1.2	37
112	Dynamical conductance through InAs/GaSb/InAs and InAs/AlSb/GaSb/AlSb/InAs structures. Physical Review B, 2004, 69, .	1.1	3
113	Capacitance, induced charges, and bound states of biased carbon nanotube systems. Physical Review B, 2004, 69, .	1.1	30
114	Spin-valve effect in a carbon atomic wire. Physical Review B, 2004, 70, .	1.1	27
115	Spin current carried by magnons. Physical Review B, 2004, 69, .	1.1	24
116	Spin-current-induced electric field. Physical Review B, 2004, 69, .	1.1	58
117	Spin pump in the presence of a superconducting lead. Physical Review B, 2004, 70, .	1.1	22
118	Electronic transport through single-wall nicked carbon nanotubes. Physical Review B, 2004, 69, .	1.1	8
119	ac transport through a resonant level between ferromagnetic electrodes. Physical Review B, 2004, 70, .	1.1	18
120	Heat current and spin current through a carbon-nanotube-based molecular quantum pump. Physical Review B, 2004, 70, .	1.1	18
121	Andreev Scattering in Semiconductor-Superconductor Junctions Containing a Finite Width Semiconductor Region Applied by Magnetic Fields. Journal of the Physical Society of Japan, 2004, 73, 1303-1312.	0.7	2
122	Mesoscopic transport through toroidal carbon nanotubes threaded with a THz magnetic flux. European Physical Journal B, 2004, 40, 93-102.	0.6	6
123	Coherent mesoscopic transport through a quantum-dot embedded carbon nanotube ring threaded with magnetic flux. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 285-289.	0.9	6
124	Photon-assisted mesoscopic transport through a toroidal carbon nanotube coupled to normal metal leads. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 407-414.	0.9	4
125	A spin injector. Applied Physics Letters, 2004, 85, 2553-2555.	1.5	31
126	Magnetoconductance oscillations in semiconductor-superconductor junctions with a laterally isolating barrier layer inside semiconductor region. European Physical Journal B, 2003, 34, 237-246.	0.6	2

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127	Statistical correlation for a three-terminal normal-metalâ€“superconductorâ€“ superconductor hybrid system. Physical Review B, 2003, 67, .	1.1	7
128	First-principles investigation of carbon nanotube capacitance. Physical Review B, 2003, 67, .	1.1	17
129	Correlated two-electron transport:â€“A principle for a charge pump. Physical Review B, 2003, 68, .	1.1	7
130	Quantum spin field effect transistor. Physical Review B, 2003, 67, .	1.1	166
131	Current plateaus of nonadiabatic charge pump:â€“Multiphoton assisted processes. Physical Review B, 2003, 68, .	1.1	54
132	Gate-controllable spin battery. Applied Physics Letters, 2003, 83, 1397-1399.	1.5	79
133	Parametric quantum spin pump. Physical Review B, 2003, 68, .	1.1	34
134	A Spin Cell for Spin Current. Physical Review Letters, 2003, 90, 258301.	2.9	123
135	Optimal quantum pump in the presence of a superconducting lead. Physical Review B, 2002, 66, .	1.1	20
136	Parametric pumping at finite frequency. Physical Review B, 2002, 65, .	1.1	96
137	Carbon-nanotube-based quantum pump in the presence of a superconducting lead. Physical Review B, 2002, 66, .	1.1	20
138	Quantization of adiabatic pumped charge in the presence of superconducting lead. Physical Review B, 2002, 65, .	1.1	30
139	Heat current in a parametric quantum pump. Physical Review B, 2002, 66, .	1.1	44
140	Spin-polarized parametric pumping: Theory and numerical results. Physical Review B, 2002, 66, .	1.1	25
141	Hamiltonian approach to the ac Josephson effect in superconducting-normal hybrid systems. Physical Review B, 2002, 65, .	1.1	32
142	Parametric electron pumping through a quantum dot in the Kondo regime. Physical Review B, 2002, 65, .	1.1	14
143	Spin-polarized transport through a quantum dot:â€“Anderson model with on-site Coulomb repulsion. Physical Review B, 2002, 65, .	1.1	174
144	Thermal conductance for single wall carbon nanotubes. European Physical Journal B, 2002, 25, 233-238.	0.6	14

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145	Carbon nanotubes in the Coulomb blockade regime. <i>Physical Review B</i> , 2001, 63, .	1.1	13
146	Ab initio modeling of open systems: Charge transfer, electron conduction, and molecular switching of a C ₆₀ device. <i>Physical Review B</i> , 2001, 63, .	1.1	665
147	Rigorous electromagnetic analysis of a microcylindrical axilens with long focal depth and high transverse resolution. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 1465.	0.8	25
148	Ab initio modeling of quantum transport properties of molecular electronic devices. <i>Physical Review B</i> , 2001, 63, .	1.1	2,731
149	Nonlinear Spin Polarized Transport through a Ferromagnetic-Nonmagnetic-Ferromagnetic Junction. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 2645-2651.	0.7	75
150	Carbon nanotube parametric electron pump: A molecular device. <i>Physical Review B</i> , 2001, 64, .	1.1	36
151	Resonant transmission through finite-sized carbon nanotubes. <i>Physical Review B</i> , 2001, 63, .	1.1	80
152	Dynamic conductance of mesoscopic waveguides. <i>Journal of Applied Physics</i> , 2001, 89, 1777.	1.1	5
153	Resonant Andreev reflections in superconductor-carbon-nanotube devices. <i>Physical Review B</i> , 2001, 63, .	1.1	38
154	Nonlinear transport theory for hybrid normal-superconducting devices. <i>Physical Review B</i> , 2001, 64, .	1.1	24
155	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
156	Enhancement of parametric pumping due to Andreev reflection. <i>Applied Physics Letters</i> , 2001, 79, 3977-3979.	1.5	43
157	Theoretical study for a quantum-dot molecule irradiated by a microwave field. <i>Physical Review B</i> , 2000, 61, 12643-12646.	1.1	25
158	Emission fluctuations in a mesoscopic diffusive conductor. <i>Physical Review B</i> , 2000, 62, 10774-10778.	1.1	7
159	ac response of an atomic tunnel junction. <i>Physical Review B</i> , 2000, 61, 13121-13126.	1.1	17
160	Electron transport through a mesoscopic hybrid multiterminal resonant-tunneling system. <i>Physical Review B</i> , 2000, 61, 4754-4761.	1.1	47
161	Control of the supercurrent in a mesoscopic four-terminal Josephson junction. <i>Physical Review B</i> , 2000, 62, 648-660.	1.1	41
162	Carbon Nanotube Based Magnetic Tunnel Junctions. <i>Physical Review Letters</i> , 2000, 84, 2682-2685.	2.9	153

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163	Resonance-assisted parametric electron pump. <i>Physical Review B</i> , 2000, 62, 9947-9950.	1.1	76
164	Theory of excess noise of a quantum dot in the presence of a microwave field. <i>Physical Review B</i> , 2000, 61, 13032-13036.	1.1	28
165	THEORETICAL INVESTIGATIONS OF QUANTUM TRANSPORT THROUGH CARBON NANOTUBE DEVICES. <i>Surface Review and Letters</i> , 2000, 07, 637-642.	0.5	4
166	Dynamic Conductance of Carbon Nanotubes. <i>Physical Review Letters</i> , 2000, 84, 2921-2924.	2.9	67
167	Dynamic and nonlinear magnetoconductance: Numerical analysis in two dimensions. <i>Physical Review B</i> , 1999, 59, 538-545.	1.1	15
168	Photon-assisted Andreev tunneling through a mesoscopic hybrid system. <i>Physical Review B</i> , 1999, 59, 13126-13138.	1.1	68
169	Weakly nonlinear ac response: Theory and application. <i>Physical Review B</i> , 1999, 59, 7575-7578.	1.1	44
170	Nonlinear I - V characteristics of a mesoscopic conductor. <i>Journal of Applied Physics</i> , 1999, 86, 5094-5102.	1.1	50
171	Electrochemical capacitance of a leaky nanocapacitor. <i>Physical Review B</i> , 1999, 60, 16730-16740.	1.1	24
172	Resonant Andreev reflection in a normal-metal- δ -quantum-dot- δ -superconductor system. <i>Physical Review B</i> , 1999, 59, 3831-3840.	1.1	178
173	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.	1.1	12
174	Nonlinear voltage dependence of shot noise. <i>Physical Review B</i> , 1999, 60, 16900-16905.	1.1	31
175	TIME-DEPENDENT CALCULATION FOR THE TRANSMISSION COEFFICIENT OF TWO-DIMENSIONAL QUANTUM WIRE STRUCTURES IN THE PRESENCE OF MAGNETIC FIELD. <i>International Journal of Modern Physics B</i> , 1999, 13, 895-902.	1.0	1
176	Coherent resonant transport through a mesoscopic system with quantum ac microwave field. <i>European Physical Journal B</i> , 1999, 9, 513-524.	0.6	13
177	Magnetoconductance in quantum waveguides with inhomogeneous magnetic fields. <i>Journal of Applied Physics</i> , 1999, 85, 1591-1596.	1.1	3
178	Current Partition: A Nonequilibrium Green's Function Approach. <i>Physical Review Letters</i> , 1999, 82, 398-401.	2.9	171
179	Effects of interchain coupling on quantum fluctuations in polymers. <i>Synthetic Metals</i> , 1999, 101, 511-512.	2.1	0
180	Nonlinear quantum capacitance. <i>Applied Physics Letters</i> , 1999, 74, 2887-2889.	1.5	30

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181	Polarized pseudonondiffracting beams generated by polarization-selective diffractive phase elements. Applied Optics, 1999, 38, 3089.	2.1	1
182	Lack of quenching for the resonant transmission through an inhomogeneously oscillating quantum well. Physical Review B, 1998, 58, 2008-2012.	1.1	8
183	Parity anomaly of bound states and optical properties in semiconductor superlattices with structural defects. Physical Review B, 1998, 58, 4629-4635.	1.1	25
184	Energy Spectrum and Persistent Currents in Finite-Width Mesoscopic Ring with Radial Potential Barrier Threading a Magnetic Flux Through its Hole. International Journal of Modern Physics B, 1998, 12, 663-672.	1.0	1
185	Full Band Gap in Fcc and Bcc Photonic Band Gaps Structure: Non-Spherical Atom. Journal of the Physical Society of Japan, 1998, 67, 3288-3291.	0.7	37
186	Transport through a single-atom junction. Journal of Physics Condensed Matter, 1998, 10, 2663-2671.	0.7	5
187	Second-order non-linear conductance of a two-dimensional mesoscopic conductor. Journal of Physics Condensed Matter, 1998, 10, 5335-5350.	0.7	5
188	Creation of partial band gaps in anisotropic photonic-band-gap structures. Physical Review B, 1998, 58, 3721-3729.	1.1	202
189	Statistical analysis of magnetic-field spectra. Physical Review B, 1998, 58, 13094-13098.	1.1	0
190	Scattering matrix theory for nonlinear transport. Physical Review B, 1998, 57, 9108-9113.	1.1	39
191	Structural and transport properties of aluminum atomic wires. Physical Review B, 1998, 58, 13138-13145.	1.1	37
192	Capacitance of Atomic Junctions. Physical Review Letters, 1998, 80, 4277-4280.	2.9	66
193	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.	1.1	53
194	Self-consistent analysis of a quantum capacitor. Physical Review B, 1998, 58, 15393-15396.	1.1	3
195	Oscillatory Magneto-Conductance in Quantum Waveguides with Lateral Multi-Barrier Structures. International Journal of Modern Physics B, 1998, 12, 653-661.	1.0	3
196	Thermal Properties and Fluctuations of Non-Interacting ϵ -M-ions. Communications in Theoretical Physics, 1997, 27, 153-156.	1.1	0
197	Current conservation in two-dimensional ac transport. Physical Review B, 1997, 55, 9770-9774.	1.1	21
198	Weakly nonlinear quantum transport: An exactly solvable model. Physical Review B, 1997, 55, 9763-9769.	1.1	9

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199	Low-frequency quantum transport in a three-probe mesoscopic conductor. <i>Physical Review B</i> , 1997, 56, 12462-12468.	1.1	9
200	Quantized conductance of Si atomic wires. <i>Physical Review B</i> , 1997, 56, R4351-R4354.	1.1	66
201	Magnetocapacitance of a three-probe mesoscopic capacitor. <i>Physical Review B</i> , 1997, 56, 9657-9661.	1.1	4
202	Dynamic admittance of atomic wires. <i>Physical Review B</i> , 1997, 55, R13393-R13396.	1.1	20
203	Tunneling transmission in two quantum wires coupled by a magnetically defined barrier. <i>Journal of Applied Physics</i> , 1997, 82, 6083-6088.	1.1	11
204	Quantum transport through atomic wires. <i>Applied Physics Letters</i> , 1997, 71, 419-421.	1.5	57
205	Electronic states and magnetotransport in quantum waveguides with nonuniform magnetic fields. <i>Physical Review B</i> , 1997, 56, 13434-13441.	1.1	18
206	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
207	Structures of energy spectrum and persistent currents in mesoscopic rings with radial potential barrier in magnetic field. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 509-512.	1.1	0
208	Frequency-dependent admittance of a two-dimensional quantum wire. <i>Physical Review B</i> , 1996, 54, R11090-R11093.	1.1	11
209	Resonance states of open quantum dots. <i>Physical Review B</i> , 1996, 53, 16408-16413.	1.1	20
210	The bond bending model on triangular lattice and square lattice. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 101, 141-144.	1.1	2
211	Persistent current in mesoscopic semiconductor rings: a two-band model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 214, 84-88.	0.9	1
212	Quantum fluctuations and lattice dimerization in coupled polymer chains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 222, 415-418.	0.9	3
213	Influence of ferromagnetic spin waves on persistent currents in one-dimensional mesoscopic rings. <i>Physical Review B</i> , 1996, 53, 16372-16378.	1.1	3
214	Efficient method for calculating the transmission coefficient of two-dimensional quantum wire structures. <i>Journal of Applied Physics</i> , 1996, 80, 4208-4210.	1.1	6
215	Central-force model with the next-nearest-neighbor interaction: A series approach. <i>Physical Review B</i> , 1996, 53, 201-205.	1.1	2
216	Two-atom superradiance in the photonic band gap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 204, 54-58.	0.9	2

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217	Many-electron effects on ballistic transport. <i>Physical Review B</i> , 1995, 52, 2738-2746.	1.1	30
218	Aharonov-Bohm effect induced by mutual inductance for an array of mesoscopic rings. <i>Physical Review B</i> , 1995, 52, 14829-14833.	1.1	9
219	Series approach to the bond bending model. <i>Journal of Physics A</i> , 1995, 28, L415-L419.	1.6	1
220	Tunnelling through quantum-dot systems: a study of the magnetoconductance fluctuations. <i>Journal of Physics Condensed Matter</i> , 1994, 6, L143-L148.	0.7	4
221	Total-energy calculations using a gradient-expanded kinetic-energy functional. <i>Physical Review B</i> , 1994, 50, 11175-11178.	1.1	31
222	Magnetoconductance of a stadium-shaped quantum dot: A finite-element-method approach. <i>Physical Review B</i> , 1994, 49, 1928-1934.	1.1	54
223	Investigation of time-dependent resonant interband tunneling. <i>Journal of Applied Physics</i> , 1994, 75, 2724-2726.	1.1	6
224	Quasibound states in two-dimensional quantum wires. <i>Applied Physics Letters</i> , 1994, 65, 1793-1795.	1.5	57
225	Many-electron effects on transport through two-dimensional quantum structures. <i>Journal of Applied Physics</i> , 1994, 75, 2721-2723.	1.1	13
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