

Guanghui Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152
papers

1,647
citations

21
h-index

33
g-index

157
ext. papers

1,910
ext. citations

2.9
avg, IF

5.11
L-index

#	Paper	IF	Citations
152	Strongly localized states and giant optical absorption induced by multiple flat-bands in AA-stacked multilayer armchair graphene nanoribbons. <i>New Journal of Physics</i> , 2022 , 24, 023010	2.9	
151	Quantum magneto-transport property of two-dimensional semi-Dirac electron system. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 549, 168933	2.8	
150	Defects-/doping-driven modulation of the electronic and magnetic properties of 2H- and Td-phase WTe ₂ monolayers: A first-principle study. <i>Materials Science in Semiconductor Processing</i> , 2022 , 143, 106537	4.7	0
149	Multi-functional switch effect in interlocking molecular rotators-on-graphene systems using electric fields. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5292-5302	7.1	2
148	First-Principles Study on the Tunable Electronic and Magnetic Properties of a Janus GaInSeTe Nanosheet via Strain and Defect Engineering. <i>Journal of Electronic Materials</i> , 2022 , 51, 2212-2220	1.9	0
147	Half-metallic transition for ZGNRs adsorbing porphine molecules under an in-plane external electric field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022 , 142, 115316	3	1
146	Modulation of electrical performance of zigzag edged tetra-penta-octagonal graphene nanoribbons based devices via boundary passivations. <i>Results in Physics</i> , 2021 , 104945	3.7	0
145	Electronic properties and spintronic applications of r-N-graphyne nanoribbons. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 115003	3	0
144	Os Doping Suppressed Cu-Fe Charge Transfer and Induced Structural and Magnetic Phase Transitions in LaCuFeOsO (= 1 and 2). <i>Inorganic Chemistry</i> , 2021 , 60, 6298-6305	5.1	0
143	Strain effect on electronic structure and transport properties of zigzag-nanoribbons: a mean-field theoretical study. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	1
142	Even-odd-dependent optical transitions of zigzag monolayer black phosphorus nanoribbons. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	3
141	Spin-resolved transport properties of atomic carbon chain between sawtooth zigzag-edge graphene nanoribbons electrodes. <i>Molecular Physics</i> , 2021 , 119, e1857448	1.7	0
140	Edge and sublayer degrees of freedom for phosphorene nanoribbons with twofold-degenerate edge bands via electric field. <i>Physical Review B</i> , 2021 , 103,	3.3	5
139	Two-dimensional van der Waals electrical contact to monolayer MoSi ₂ N ₄ . <i>Applied Physics Letters</i> , 2021 , 118, 013106	3.4	54
138	Electronic structures and transport properties of low-dimensional GaN nanoderivatives: A first-principles study. <i>Applied Surface Science</i> , 2021 , 561, 150038	6.7	3
137	Device design based on the covalent homocoupling of porphine molecules*. <i>Chinese Physics B</i> , 2021 , 30, 098504	1.2	
136	Length-independent multifunctional device based on penta-tetra-pentagonal molecule: a first-principles study. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3652-3660	7.1	9

135	Effect of geometrical structure on transport properties of silicene nanoconstrictions*. <i>Chinese Physics Letters</i> , 2021 , 38, 127301	1.8	
134	Electrical Contact between an Ultrathin Topological Dirac Semimetal and a Two-Dimensional Material. <i>Physical Review Applied</i> , 2020 , 13,	4.3	11
133	Electrical properties and spintronic application of carbon phosphide nanoribbons with edge functionalization. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9313-9321	7.1	11
132	Analytical study on strain tunable electronic structure and optical transitions in armchair black phosphorene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 285301	1.8	3
131	High-Pressure Synthesis of Two Polymorphic HgMnO Phases and Distinct Magnetism from 2D to 3D. <i>Inorganic Chemistry</i> , 2020 , 59, 3887-3893	5.1	4
130	Probing the anisotropy of Landau levels in phosphorene by magneto-capacitance with a parabolic potential confinement. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 425702	1.8	
129	Multifunctionality for the nanojunction of a rotating p-phenylene vinylene molecule between graphene leads. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126709	2.3	2
128	Effect of trigonal warping on the Berry curvature and valley/spin Hall effects in monolayer MoS ₂ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126344	2.3	4
127	Electronic transport decay rule for junction of oligophenylene molecules sandwiched between phosphorene nanoribbons. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 105302	3	
126	Spin multiple functional devices in zigzag-edged graphyne nanoribbons based molecular nanojunctions. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166223	2.8	5
125	Rectifying Performance of Heterojunction Based on Borophene Nanoribbons with Edge Passivation. <i>Nanoscale Research Letters</i> , 2020 , 15, 185	5	2
124	Carbon phosphide nanosheets and nanoribbons: insights on modulating their electronic properties by first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 22520-22528	3.6	2
123	Multiple magnetic transitions and electrical transport transformation of a BaFeO ₃ cubic perovskite single crystal. <i>Physical Review B</i> , 2020 , 101,	3.3	4
122	Optimizing the thermoelectric performance of Graphyne nanoribbons via introducing disordered surface fluctuation. <i>Solid State Communications</i> , 2019 , 298, 113646	1.6	4
121	Perfect negative differential resistance, spin-filter and spin-rectification transport behaviors in zigzag-edged Graphyne nanoribbon-based magnetic devices. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 485, 136-141	2.8	23
120	Electrically tunable valley-dependent transport in strained silicene constrictions. <i>Journal of Applied Physics</i> , 2019 , 125, 244304	2.5	5
119	Spin-Resolved Electronic and Transport Properties of Graphyne-Based Nanojunctions with Different N-Substituting Positions. <i>Nanoscale Research Letters</i> , 2019 , 14, 299	5	18
118	Crystallographic Characterization of Black Phosphorene and its Application in Nanostructures. <i>Physical Review Applied</i> , 2019 , 12,	4.3	15

117	Spin-dependent transport properties of a graphene electrode-single quintuple bond [PhCrCrPh] molecule junction. <i>Molecular Physics</i> , 2019 , 117, 768-775	1.7	1
116	Tunable mechanical, electronic and magnetic properties of monolayer C3N nanoribbons by external fields. <i>Carbon</i> , 2019 , 143, 14-20	10.4	21
115	The spintronic functionality in a junction of naphthalene diimide with different molecule-graphene linkers. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 471, 555-560	2.8	6
114	A comparative first-principles study of point defect properties in the layered MX ₂ (M = Mo, W; X = S, Te): Substitution by the groups III, V and VII elements. <i>Computational Materials Science</i> , 2019 , 156, 280-285	3.2	2
113	Strain-controlled valley and spin separation in silicene heterojunctions. <i>Physical Review B</i> , 2018 , 97,	3.3	19
112	Electronic states and spin-filter effect in three-dimensional topological insulator Bi ₂ Se ₃ nanoribbons. <i>Chinese Physics B</i> , 2018 , 27, 017304	1.2	
111	Spin-charge transport properties of a Z-shaped graphyne nanoribbon junction with different edge passivations. <i>Carbon</i> , 2018 , 131, 160-167	10.4	24
110	Half metal phase in the zigzag phosphorene nanoribbon. <i>Scientific Reports</i> , 2018 , 8, 2932	4.9	23
109	Pentavalent iridium pyrochlore Cd ₂ Ir ₂ O ₇ : A prototype material system for competing crystalline field and spin-orbit coupling. <i>Physical Review B</i> , 2018 , 97,	3.3	6
108	Electronic transport in armchair graphene nanoribbon under double magnetic barrier modulation. <i>Physica B: Condensed Matter</i> , 2018 , 533, 40-45	2.8	3
107	Strain-induced effects in zigzag-edged blue phosphorene nanoribbons with edge sulfur passivation. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 395303	1.8	6
106	The giant Stark effect in armchair-edge phosphorene nanoribbons under a transverse electric field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 193-198	2.3	17
105	Spin-charge transport properties for graphene/graphyne zigzag-edged nanoribbon heterojunctions: A first-principles study. <i>Carbon</i> , 2018 , 127, 519-526	10.4	32
104	Low-bias negative differential resistance in junction of a benzene between zigzag-edged phosphorene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 265301	1.8	8
103	Sensitivity of helical edge states to line substitutional magnetic doping in zigzag silicene nanoribbons. <i>Solid State Communications</i> , 2017 , 254, 42-47	1.6	2
102	Effective g factor in black phosphorus thin films. <i>Physical Review B</i> , 2017 , 95,	3.3	19
101	The spin-charge transport properties for a graphene-based molecular junction: A first-principles study. <i>Organic Electronics</i> , 2017 , 48, 357-364	3.5	15
100	Effect of amino on spin-dependent transport through a junction of fused oligothiophenes between graphene electrodes. <i>Chemical Physics</i> , 2017 , 488-489, 17-21	2.3	3

99	Finite-size effects on electronic structure and local properties in passivated AA-stacked bilayer armchair-edge graphene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 085301	1.8	3
98	Even-odd effect on the edge states for zigzag phosphorene nanoribbons under a perpendicular electric field. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 045106	3	10
97	Enhanced thermoelectric properties of the AGNR/GNR heterojunctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 3766-3772	2.3	11
96	Spin-dependent Seebeck effects in a graphene superlattice p-n junction with different shapes. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 405303	1.8	4
95	Electronic and thermoelectric transport properties for an armchair graphene/silicene/graphene heterojunction modulated by external field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 2984-2988	2.3	5
94	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu ₃ Fe ₂ O ₁₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	33
93	Controllable multiple-quantum transitions in a T-shaped small quantum dot-ring system. <i>Physica B: Condensed Matter</i> , 2016 , 488, 88-98	2.8	
92	Electronic and thermoelectric transport properties for a zigzag graphene/silicene/graphene heterojunction modulated by external field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 1469-1474	2.3	7
91	Spin-Resolved Transport Properties of a Pyridine-Linked Single Molecule Embedded between Zigzag-Edged Graphene Nanoribbon Electrodes. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3010-3018	3.8	40
90	Tunable electronic and transport properties for ultranarrow armchair-edge silicene nanoribbons under spin-orbit coupling and perpendicular electric field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 282-287	2.3	20
89	All-electric spin modulator based on a two-dimensional topological insulator. <i>Applied Physics Letters</i> , 2016 , 108, 032403	3.4	6
88	Electronic tunneling through a potential barrier on the surface of a topological insulator. <i>Modern Physics Letters B</i> , 2016 , 30, 1650416	1.6	1
87	Effects of an external electric field on electronic states and transport of a Bi ₂ Se ₃ thin film. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 3650-3654	2.3	1
86	Spin-dependent transport and current-induced spin transfer torque in a disordered zigzag silicene nanoribbon. <i>Physica B: Condensed Matter</i> , 2016 , 500, 106-110	2.8	3
85	Terahertz electromagnetic response and its electric field manipulation of bulked silicene. <i>Laser Physics Letters</i> , 2015 , 12, 095902	1.5	6
84	Potential Paths for the Hydrogen-Bond Relaxing With (HO) Cluster Size. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16962-16971	3.8	22
83	Anisotropic quantum confinement effect and electric control of surface states in Dirac semimetal nanostructures. <i>Scientific Reports</i> , 2015 , 5, 7898	4.9	40
82	Potential Paths for the Hydrogen-Bond Relaxing With (H ₂ O) Cluster Size. <i>Journal of Physical Chemistry A</i> , 2015 , 150629002906004	2.8	

81	Spin-dependent Seebeck effects in a graphene nanoribbon coupled to two square lattice ferromagnetic leads. <i>Journal of Applied Physics</i> , 2015 , 117, 104305	2.5	19
80	Landau levels and magneto-transport property of monolayer phosphorene. <i>Scientific Reports</i> , 2015 , 5, 12295	4.9	114
79	Spin- and valley-dependent transport properties for metal-silicene-metal junctions. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	7
78	Anti-bias voltage electron-Kondo transport in a quantum dot device driven by a graphene sheet. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 187-191	2.3	2
77	Selection rule for the optical spectrum of armchair-edge silicene nanoribbons. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 455306	3	2
76	Symmetry-dependent spin-charge transport and thermopower through a ZSiNR-based FM/normal/FM junction. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 465301	1.8	10
75	Effects of amino-nitro side groups on electron device of oligo p-phenylenevinylene molecular between ZGNR electrodes. <i>Organic Electronics</i> , 2015 , 19, 26-33	3.5	23
74	The effect of magnetic field on chiral transmission in p-n-p graphene junctions. <i>Scientific Reports</i> , 2015 , 5, 18458	4.9	9
73	Chiral tunneling modulated by a time-periodic potential on the surface states of a topological insulator. <i>Scientific Reports</i> , 2014 , 4, 4624	4.9	7
72	Electrically controlled spin polarization and selection in a topological insulator sandwiched between ferromagnetic electrodes. <i>Journal of Applied Physics</i> , 2014 , 115, 023709	2.5	4
71	Fully valley- and spin-polarized magnetocapacitance in n-type monolayer MoS ₂ . <i>Applied Physics Express</i> , 2014 , 7, 021201	2.4	6
70	Magnetically confined states and transport property on the surface of a topological insulator. <i>Annals of Physics</i> , 2014 , 347, 32-44	2.5	4
69	Electronic structure for a topological insulator with a smoothly varying step on surface. <i>Physica B: Condensed Matter</i> , 2014 , 454, 67-71	2.8	
68	Electron transport channels and their manipulation by impurity in armchair-edge graphene nanoribbons. <i>Carbon</i> , 2014 , 72, 365-371	10.4	5
67	Negative differential resistance induced by the Jahn-Teller effect in single molecular coulomb blockade devices. <i>Computational Materials Science</i> , 2014 , 82, 33-36	3.2	39
66	Thermoelectric figure of merit in a quantum wire coupled to a graphene sheet between ferromagnetic leads. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	1
65	Electron states scattering off line edges on the surface of topological insulator. <i>Chinese Physics B</i> , 2014 , 23, 107304	1.2	3
64	Electric field induced spin and valley polarization within a magnetically confined silicene channel. <i>Journal of Applied Physics</i> , 2014 , 116, 244312	2.5	17

63	A multi-functional molecular device based on oligo phenylenevinylene and graphene. <i>Chemical Physics Letters</i> , 2014 , 610-611, 298-302	2.5	14
62	Seebeck effects in a graphene nanoribbon coupled to two ferromagnetic leads. <i>Journal of Applied Physics</i> , 2014 , 115, 114305	2.5	12
61	Controllable fully spin-polarized transport in a ferromagnetically doped topological insulator junction. <i>Journal of Applied Physics</i> , 2014 , 115, 154310	2.5	3
60	Rashba-Zeeman-effect-induced spin filtering energy windows in a quantum wire. <i>Journal of Applied Physics</i> , 2014 , 115, 223709	2.5	5
59	Magnetic control of valley and spin degrees of freedom via magnetotransport in n-type monolayer MoS ₂ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 485008	1.8	6
58	Giant magnetoresistance modulated by magnetic field in graphene p-n junction. <i>Applied Physics Letters</i> , 2014 , 105, 193108	3.4	6
57	The effect of electric potential on Landau levels for topological insulator surface states. <i>Physica B: Condensed Matter</i> , 2014 , 445, 81-87	2.8	1
56	Time-dependent electron transport in HgTe/CdTe quantum wells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 966-969	2.3	1
55	Spin-filtering and charge- and spin-switching effects in a quantum wire with periodically attached stubs. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	3
54	Effect of interaction between impurities on localized magnetic states in graphene. <i>Solid State Communications</i> , 2013 , 159, 1-5	1.6	3
53	Hydrogen bond asymmetric local potentials in compressed ice. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 13639-45	3.4	42
52	Thermoelectric transport for a quantum wire side-coupled to a graphene sheet between ferromagnetic leads. <i>Journal of Applied Physics</i> , 2013 , 113, 143508	2.5	2
51	Spin-filtering and rectification effects in a Z-shaped boron nitride nanoribbon junction. <i>Journal of Chemical Physics</i> , 2013 , 138, 034705	3.9	23
50	Confined states and spin polarization on a topological insulator thin film modulated by an electric potential. <i>Chinese Physics B</i> , 2013 , 22, 077310	1.2	5
49	Electrical switching of quantum tunneling through p-n junction in a quantum spin Hall bar. <i>Journal of Applied Physics</i> , 2013 , 113, 053708	2.5	1
48	Electronic transport for pristine and doped crossed graphene nanoribbon junctions with zigzag interfaces. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 1710-1713	2.3	3
47	Electronic transport for impurity-doped armchair-edge graphene nanoribbons. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	7
46	Thermoelectric effect in a graphene sheet connected to ferromagnetic leads. <i>Journal of Applied Physics</i> , 2012 , 112, 073712	2.5	6

45	Magnetoresistive effect of a topological-insulator waveguide in the presence of a magnetic field. <i>Applied Physics Letters</i> , 2012 , 101, 262403	3.4	7
44	Spatial distribution of spin polarization in a channel on the surface of a topological insulator. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 185301	1.8	3
43	Electronic structure and transport on the surface of topological insulator attached to an electromagnetic superlattice. <i>Physica B: Condensed Matter</i> , 2012 , 407, 3664-3670	2.8	3
42	Electrical modulation of the edge channel transport in topological insulators coupled to ferromagnetic leads. <i>Journal of Applied Physics</i> , 2012 , 112, 063710	2.5	6
41	Spin-dependent electron transport in a Rashba quantum wire with rough edges. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	6
40	Modulation of external electric field on surface states of topological insulator Bi ₂ Se ₃ thin films. <i>Applied Physics Letters</i> , 2012 , 101, 223109	3.4	11
39	A comprehensive understanding of melting temperature of nanowire, nanotube and bulk counterpart. <i>Nanoscale</i> , 2012 , 4, 2748-53	7.7	21
38	Switching, Dual Spin-Filtering Effects, and Negative Differential Resistance in a Carbon-Based Molecular Device. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2570-2574	3.8	127
37	Symmetry of atomistic structure for armchair-edge graphene nanoribbons under uniaxial strain. <i>Applied Physics Letters</i> , 2012 , 100, 153112	3.4	12
36	Dual conductance, negative differential resistance, and rectifying behavior in a molecular device modulated by side groups. <i>Journal of Chemical Physics</i> , 2012 , 136, 184704	3.9	69
35	Alternating current transport property for a two-channel interacting quantum wire. <i>Solid State Communications</i> , 2011 , 151, 1256-1260	1.6	2
34	Magnetotransport in a graphene monolayer with two tunable magnetic barriers. <i>Physica B: Condensed Matter</i> , 2011 , 406, 4407-4411	2.8	5
33	Induced gynogenesis in grass carp (<i>Ctenopharyngodon idellus</i>) using irradiated sperm of allotetraploid hybrids. <i>Marine Biotechnology</i> , 2011 , 13, 1017-26	3.4	26
32	Spin-orbit interaction induced anisotropic property in interacting quantum wires. <i>Nanoscale Research Letters</i> , 2011 , 6, 213	5	3
31	Spin-dependent transport for armchair-edge graphene nanoribbons between ferromagnetic leads. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 135304	1.8	12
30	Spin polarization and charge transmission for a waveguide on surface of topological insulator. <i>Applied Physics Letters</i> , 2011 , 99, 153104	3.4	13
29	Effect of transverse electric field on helical edge states in a quantum spin-Hall system. <i>Applied Physics Letters</i> , 2011 , 99, 222111	3.4	20
28	A Scheme for Spin Manipulation in a Quantum Dot with Both Charge and Spin Bias. <i>Communications in Theoretical Physics</i> , 2011 , 55, 359-361	2.4	1

27	Scanning tunneling microscopy image modeling for zigzag-edge graphene nanoribbons. <i>Applied Physics Letters</i> , 2011 , 98, 263103	3.4	11
26	SPIN ACCUMULATION IN A QUANTUM WIRE WITH THE COEXISTENCE OF RASHBA AND DRESSELHAUSE SPIN-ORBIT COUPLING. <i>International Journal of Modern Physics B</i> , 2011 , 25, 3495-3502	1.1	1
25	Semiconducting states and transport in metallic armchair-edged graphene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 315304	1.8	6
24	Dependence of transport on adatom location for armchair-edge graphene nanoribbons. <i>Applied Physics Letters</i> , 2011 , 98, 093111	3.4	13
23	Infrared Optical Response of Metallic Graphene Nanoribbons. <i>Advances in Condensed Matter Physics</i> , 2010 , 2010, 1-6	1	8
22	SPIN CURRENT INDUCED ELECTRIC FIELD IN A RASHBA QUANTUM WIRE. <i>Modern Physics Letters B</i> , 2010 , 24, 649-656	1.6	
21	Magnetotransport and current-induced spin transfer torque in a ferromagnetically contacted graphene. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 445302	1.8	14
20	Electronic transport for a crossed graphene nanoribbon junction with and without doping. <i>European Physical Journal B</i> , 2010 , 76, 421-425	1.2	9
19	Electronic structures for armchair-edge graphene nanoribbons under a small uniaxial strain. <i>European Physical Journal B</i> , 2010 , 76, 463-467	1.2	21
18	Electronic transport for armchair graphene nanoribbons with a potential barrier. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 761-764	2.3	15
17	Conductance and spin polarization for a quantum wire with the competition of Rashba and Dresselhaus spin-orbit coupling. <i>Physica B: Condensed Matter</i> , 2010 , 405, 4785-4789	2.8	2
16	An ab initio investigation on boundary resistance for metallic grains. <i>Solid State Communications</i> , 2010 , 150, 1422-1424	1.6	22
15	Magnetotransport of Dirac fermions in graphene in the presence of spin-orbit interactions. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 345228	1.8	9
14	Dependence of electronic and optical properties on a high-frequency field for carbon nanotubes. <i>Journal of Applied Physics</i> , 2008 , 103, 073712	2.5	4
13	Spin Accumulation in a Quantum Wire with Rashba Spin-Orbit Coupling. <i>Advances in Condensed Matter Physics</i> , 2008 , 2008, 1-5	1	2
12	Temperature-dependent transport and spin accumulation in a quantum wire with Rashba spin-orbit interaction. <i>European Physical Journal B</i> , 2008 , 65, 85-90	1.2	4
11	Electron dwell time through a quantum wire under a electromagnetic field irradiation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 368, 97-100	2.3	1
10	Transport properties for a Luttinger liquid wire with Rashba spin-orbit coupling and Zeeman splitting. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 136215	1.8	7

9	A possible realization of spin filter using a quantum wire with Rashba spin-orbit coupling. <i>Journal of Applied Physics</i> , 2007 , 101, 063704	2.5	15
8	Electronic structure and transport for a laser-field-irradiated quantum wire with Rashba spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 9161-9171	1.8	5
7	Transport properties for a Luttinger liquid wire in the presence of a time-dependent impurity. <i>Physical Review B</i> , 2006 , 73,	3.3	17
6	Electron transport of a quantum wire containing a finite-size impurity under terahertz electromagnetic-field illumination. <i>Journal of Applied Physics</i> , 2005 , 97, 123521	2.5	3
5	Electromagnetic-field-induced resonant structures for an open rectangular quantum dot. <i>European Physical Journal B</i> , 2005 , 46, 127-132	1.2	1
4	Floquet scattering approach to electron transport for a quantum wire under longitudinally polarized electromagnetic field irradiation. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6663-6673	1.8	8
3	Electronic transport in a quantum wire under external terahertz electromagnetic irradiation. <i>Physical Review B</i> , 2003 , 68,	3.3	28
2	Study of High-Frequency Vibrational Modes for Nonlinear Diatomic Chains. <i>Physica Status Solidi (B): Basic Research</i> , 1997 , 200, 49-56	1.3	
1	Abnormal Nuclear Phenomena and Possible Nuclear Process. <i>Fusion Science and Technology</i> , 1994 , 25, 203-206		1