

# Qian Niu

## List of Publications by Citations

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159  
papers

22,053  
citations

67  
h-index

148  
g-index

166  
ext. papers

25,679  
ext. citations

5.9  
avg, IF

7.07  
L-index

#	Paper	IF	Citations
159	Berry phase effects on electronic properties. <i>Reviews of Modern Physics</i> , <b>2010</b> , 82, 1959-2007	40.5	2374
158	Valley-selective circular dichroism of monolayer molybdenum disulphide. <i>Nature Communications</i> , <b>2012</b> , 3, 887	17.4	1702
157	Valley-contrasting physics in graphene: magnetic moment and topological transport. <i>Physical Review Letters</i> , <b>2007</b> , 99, 236809	7.4	1273
156	Crossover of the three-dimensional topological insulator Bi <sub>2</sub> Se <sub>3</sub> to the two-dimensional limit. <i>Nature Physics</i> , <b>2010</b> , 6, 584-588	16.2	1048
155	Quantized Hall conductance as a topological invariant. <i>Physical Review B</i> , <b>1985</b> , 31, 3372-3377	3.3	699
154	Anomalous Hall effect in ferromagnetic semiconductors. <i>Physical Review Letters</i> , <b>2002</b> , 88, 207208	7.4	618
153	Wave-packet dynamics in slowly perturbed crystals: Gradient corrections and Berry-phase effects. <i>Physical Review B</i> , <b>1999</b> , 59, 14915-14925	3.3	617
152	Valley-dependent optoelectronics from inversion symmetry breaking. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	615
151	First principles calculation of anomalous Hall conductivity in ferromagnetic bcc Fe. <i>Physical Review Letters</i> , <b>2004</b> , 92, 037204	7.4	545
150	Superconductivity modulated by quantum size effects. <i>Science</i> , <b>2004</b> , 306, 1915-7	33.3	485
149	Quantum anomalous Hall effect in graphene from Rashba and exchange effects. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	461
148	Massive Dirac fermions and spin physics in an ultrathin film of topological insulator. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	427
147	Anomalous Hall effect arising from noncollinear antiferromagnetism. <i>Physical Review Letters</i> , <b>2014</b> , 112, 017205	7.4	360
146	Berry phase, hyperorbits, and the Hofstadter spectrum: Semiclassical dynamics in magnetic Bloch bands. <i>Physical Review B</i> , <b>1996</b> , 53, 7010-7023	3.3	349
145	Observation of atomic Wannier-Stark ladders in an accelerating optical potential. <i>Physical Review Letters</i> , <b>1996</b> , 76, 4512-4515	7.4	345
144	Finite size effects on helical edge states in a quantum spin-Hall system. <i>Physical Review Letters</i> , <b>2008</b> , 101, 246807	7.4	340
143	Electronic Growth of Metallic Overlayers on Semiconductor Substrates. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5381-5384	7.4	336

142	Spontaneous quantum Hall states in chirally stacked few-layer graphene systems. <i>Physical Review Letters</i> , <b>2011</b> , 106, 156801	7.4	326
141	Berry phase correction to electron density of states in solids. <i>Physical Review Letters</i> , <b>2005</b> , 95, 137204	7.4	318
140	Landau and dynamical instabilities of the superflow of Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , <b>2001</b> , 64,	2.6	317
139	The Geometric Phase in Quantum Systems <b>2003</b> ,		299
138	Quantum anomalous Hall effect in graphene proximity coupled to an antiferromagnetic insulator. <i>Physical Review Letters</i> , <b>2014</b> , 112, 116404	7.4	273
137	Berry-phase effect in anomalous thermoelectric transport. <i>Physical Review Letters</i> , <b>2006</b> , 97, 026603	7.4	272
136	Edge states in graphene: from gapped flat-band to gapless chiral modes. <i>Physical Review Letters</i> , <b>2009</b> , 102, 096801	7.4	253
135	Topological phases in two-dimensional materials: a review. <i>Reports on Progress in Physics</i> , <b>2016</b> , 79, 066501	11.4	253
134	Superconductivity at the two-dimensional limit. <i>Science</i> , <b>2009</b> , 324, 1314-7	33.3	248
133	Spin pumping and spin-transfer torques in antiferromagnets. <i>Physical Review Letters</i> , <b>2014</b> , 113, 057601	7.4	227
132	Quantum spin Hall insulators and quantum valley Hall insulators of BiX/SbX (X=H, F, Cl and Br) monolayers with a record bulk band gap. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e147-e147	10.3	216
131	Bose-Einstein Condensates in an Optical Lattice. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2022-2025	7.4	200
130	Giant and tunable valley degeneracy splitting in MoTe <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	196
129	Engineering quantum anomalous/valley Hall states in graphene via metal-atom adsorption: An ab-initio study. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	188
128	Nonlinear evolution of quantum states in the adiabatic regime. <i>Physical Review Letters</i> , <b>2003</b> , 90, 170404	7.4	182
127	Quantum anomalous Hall effect in single-layer and bilayer graphene. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	174
126	Nonlinear effects in interference of bose-einstein condensates. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2294-7	7.4	173
125	Coupling the valley degree of freedom to antiferromagnetic order. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 3738-42	11.5	167

124	Berry phase, hyperorbits, and the Hofstadter spectrum. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1348-1351	7.4	162
123	Atomic Landau-Zener tunneling and Wannier-Stark ladders in optical potentials. <i>Physical Review Letters</i> , <b>1996</b> , 76, 4504-4507	7.4	162
122	Dynamical Bloch Band Suppression in an Optical Lattice. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5093-5096	7.4	146
121	Universal electromotive force induced by domain wall motion. <i>Physical Review Letters</i> , <b>2009</b> , 102, 067201	7.4	145
120	New Light on Quantum Transport. <i>Physics Today</i> , <b>1997</b> , 50, 30-34	0.9	145
119	Unconventional quantum Hall effect and tunable spin hall effect in Dirac materials: application to an isolated MoS2 trilayer. <i>Physical Review Letters</i> , <b>2013</b> , 110, 066803	7.4	141
118	Linear magnetization dependence of the intrinsic anomalous Hall effect. <i>Physical Review Letters</i> , <b>2006</b> , 96, 037204	7.4	136
117	Quantum theory of orbital magnetization and its generalization to interacting systems. <i>Physical Review Letters</i> , <b>2007</b> , 99, 197202	7.4	134
116	Experimental evidence for non-exponential decay in quantum tunnelling. <i>Nature</i> , <b>1997</b> , 387, 575-577	50.4	133
115	Microscopic theory of quantum anomalous Hall effect in graphene. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	115
114	Chiral phonons at high-symmetry points in monolayer hexagonal lattices. <i>Physical Review Letters</i> , <b>2015</b> , 115, 115502	7.4	114
113	Topological classification of crystalline insulators with space group symmetry. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	111
112	Energy magnetization and the thermal Hall effect. <i>Physical Review Letters</i> , <b>2011</b> , 107, 236601	7.4	110
111	Anomalous Hall effect in paramagnetic two-dimensional systems. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	107
110	Transverse force on a quantized vortex in a superfluid. <i>Physical Review Letters</i> , <b>1996</b> , 76, 3758-3761	7.4	104
109	Dc-transport properties of ferromagnetic (Ga,Mn)As semiconductors. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 320-322	3.4	94
108	Topological Invariants of Metals and the Related Physical Effects. <i>Chinese Physics Letters</i> , <b>2013</b> , 30, 027108	0.8	93
107	Spin-Wave Dynamics in Real Crystals. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2205-2208	7.4	91

106	Berry curvature, orbital moment, and effective quantum theory of electrons in electromagnetic fields. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 193202	1.8	90
105	Stabilizing topological phases in graphene via random adsorption. <i>Physical Review Letters</i> , <b>2012</b> , 109, 116803	7.4	89
104	Field induced positional shift of Bloch electrons and its dynamical implications. <i>Physical Review Letters</i> , <b>2014</b> , 112, 166601	7.4	88
103	Magnetic control of the valley degree of freedom of massive Dirac fermions with application to transition metal dichalcogenides. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	87
102	Magnetoelectric coupling and electric control of magnetization in ferromagnet/ferroelectric/normal-metal superlattices. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	86
101	Angular Momentum of Phonons and the Einstein-De Haas Effect. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	85
100	Spin-orbit coupling and Berry phase with ultracold atoms in 2D optical lattices. <i>Physical Review Letters</i> , <b>2004</b> , 92, 153005	7.4	80
99	Transport properties of graphene nanoroads in boron nitride sheets. <i>Nano Letters</i> , <b>2012</b> , 12, 2936-40	11.5	77
98	Disorder effects in the anomalous Hall effect induced by Berry curvature. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	75
97	Multivariable scaling for the anomalous Hall effect. <i>Physical Review Letters</i> , <b>2015</b> , 114, 217203	7.4	74
96	Coherent wave-packet evolution in coupled bands. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	73
95	Uncovering edge states and electrical inhomogeneity in MoS <sub>2</sub> field-effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 8583-8	11.5	72
94	Quantum Hall effect with realistic boundary conditions. <i>Physical Review B</i> , <b>1987</b> , 35, 2188-2197	3.3	71
93	Geometrical effects in orbital magnetic susceptibility. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	67
92	Charge Hall effect driven by spin-dependent chemical potential gradients and Onsager relations in mesoscopic systems. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	64
91	Transition to instability in a periodically kicked Bose-Einstein condensate on a ring. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	61
90	Valley-splitting and valley-dependent inter-Landau-level optical transitions in monolayer MoS <sub>2</sub> quantum Hall systems. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	60
89	Large magneto-optical Kerr effect in noncollinear antiferromagnets Mn <sub>3</sub> X(X=Rh,Ir,Pt). <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	60

88	Transition between extended and localized states in a one-dimensional incommensurate optical lattice. <i>Physical Review A</i> , <b>2001</b> , 64,	2.6	57
87	Rabi oscillations between Bloch bands. <i>Physical Review B</i> , <b>1996</b> , 54, R5235-R5238	3.3	57
86	Fidelity for the quantum evolution of a Bose-Einstein condensate. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	51
85	Optical control of topological quantum transport in semiconductors. <i>Physical Review Letters</i> , <b>2007</b> , 99, 047401	7.4	48
84	Quantum step heights in hysteresis loops of molecular magnets. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	47
83	Polarization and adiabatic pumping in inhomogeneous crystals. <i>Physical Review Letters</i> , <b>2009</b> , 102, 087602	7.4	46
82	Current Partition at Topological Channel Intersections. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	45
81	Electron dynamics in slowly varying antiferromagnetic texture. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	45
80	Single-valley engineering in graphene superlattices. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	44
79	Berry phase effect on the exciton transport and on the exciton Bose-Einstein condensate. <i>Physical Review Letters</i> , <b>2008</b> , 101, 106401	7.4	44
78	Observation of Rabi oscillations between Bloch bands in an optical potential. <i>Physical Review A</i> , <b>1998</b> , 58, R2648-R2651	2.6	44
77	Spin-polarized and valley helical edge modes in graphene nanoribbons. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	43
76	Dynamics of antiferromagnets driven by spin current. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	42
75	Scattering universality classes of side jump in the anomalous Hall effect. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	39
74	Evidence for Berezinskii-Kosterlitz-Thouless transition in atomically flat two-dimensional Pb superconducting films. <i>Solid State Communications</i> , <b>2013</b> , 165, 59-63	1.6	36
73	Topological electromotive force from domain-wall dynamics in a ferromagnet. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	34
72	Topological phases in gated bilayer graphene: Effects of Rashba spin-orbit coupling and exchange field. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	33
71	Superconducting phase with a chiral f-wave pairing symmetry and Majorana fermions induced in a hole-doped semiconductor. <i>Physical Review Letters</i> , <b>2011</b> , 106, 157003	7.4	31

70	Shape of the quantum diffusion front. <i>Physical Review Letters</i> , <b>2001</b> , 86, 2485-9	7.4	30
69	Theory of nonlinear Hall effects: Modified semiclassics from quantum kinetics. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	29
68	Intrinsic relative magnetoconductivity of nonmagnetic metals. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	29
67	Semiclassical dynamics and transport of the Dirac spin. <i>Solid State Communications</i> , <b>2010</b> , 150, 533-537	1.6	29
66	THEORY OF THE QUANTIZED ADIABATIC PARTICLE TRANSPORT. <i>Modern Physics Letters B</i> , <b>1991</b> , 05, 923-931	1.6	27
65	Gate-tunable exchange coupling between cobalt clusters on graphene. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	26
64	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies of CuCr <sub>2</sub> Se <sub>4</sub> Br <sub>x</sub> . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	25
63	Metallic phase in quantum Hall systems due to inter-Landau-band mixing. <i>Physical Review Letters</i> , <b>2001</b> , 87, 216802	7.4	25
62	Superlattice valley engineering for designer topological insulators. <i>Scientific Reports</i> , <b>2014</b> , 4, 6397	4.9	24
61	Spontaneous layer-pseudospin domain walls in bilayer graphene. <i>Physical Review Letters</i> , <b>2014</b> , 113, 116803	7.4	24
60	Engineering Corner States from Two-Dimensional Topological Insulators. <i>Physical Review Letters</i> , <b>2020</b> , 124, 166804	7.4	22
59	Imaging of critical correlations in optical lattices and atomic traps. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	21
58	Berry phase effects on the dynamics of quasiparticles in a superfluid with a vortex. <i>Physical Review Letters</i> , <b>2006</b> , 97, 040401	7.4	21
57	Oscillatory Nonmetal-Metal Transitions of Ultrathin Sb Overlayers on a GaAs(110) Substrate. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3582-3585	7.4	21
56	Effect of an electric field on a split Bloch band. <i>Physical Review B</i> , <b>1989</b> , 40, 3625-3637	3.3	19
55	Anderson Localization from the Berry-Curvature Interchange in Quantum Anomalous Hall Systems. <i>Physical Review Letters</i> , <b>2016</b> , 117, 056802	7.4	18
54	Unbalanced edge modes and topological phase transition in gated trilayer graphene. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	18
53	Influence of quantum size effects on Pb island growth and diffusion barrier oscillations. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	18

52	Minimal field requirement in precessional magnetization switching. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 013903	2.5	18
51	Manipulation of band electrons with a rectangular-wave electric field. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 4527-4538	1.8	18
50	Electrical generation of spin in crystals with reduced symmetry. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	17
49	Chiral phonons in two-dimensional materials. <i>2D Materials</i> , <b>2019</b> , 6, 012002	5.9	17
48	Zero-field magnetic response functions in Landau levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 7295-7300	11.5	15
47	Semiclassical theory of spin-orbit torques in disordered multiband electron systems. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	12
46	Tuning into the Kitaev spin liquid phase: A spin model on the honeycomb lattice with two types of Heisenberg exchange couplings. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	11
45	Geometric optics of Bloch waves in a chiral and dissipative medium. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	11
44	Partial entropy in finite-temperature phase transitions. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	10
43	Microscopic derivation of spin-transfer torque in ferromagnets. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	9
42	Hysteresis from nonlinear dynamics of Majorana modes in topological Josephson junctions. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	9
41	WKB Estimate of Bilayer Graphene's Magic Twist Angles. <i>Physical Review Letters</i> , <b>2021</b> , 126, 016404	7.4	9
40	Ultrahigh-fidelity qubits for quantum computing. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	8
39	Xiao et al. Reply:. <i>Physical Review Letters</i> , <b>2006</b> , 96,	7.4	8
38	Morphological symmetry breaking during epitaxial growth at grazing incidence. <i>Physical Review Letters</i> , <b>2000</b> , 84, 3895-8	7.4	8
37	Giant c-axis nonlinear anomalous Hall effect in T-MoTe and WTe. <i>Nature Communications</i> , <b>2021</b> , 12, 204917.4	7.4	8
36	Geometrodynamics of electrons in a crystal under position and time-dependent deformation. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	8
35	Quantum stability and magic lengths of metal atom wires. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	7



34	Observation of long phase-coherence length in epitaxial La-doped CdO thin films. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	7
33	Geometrical phase effects on the Wigner distribution of Bloch electrons. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	7
32	Negative differential magnetization in ultrathin Fe on vicinal W(100). <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	7
31	Linear magnetoresistance induced by intra-scattering semiclassics of Bloch electrons. <i>Physical Review B</i> , <b>2020</b> , 101,	3-3	6
30	Unified bulk semiclassical theory for intrinsic thermal transport and magnetization currents. <i>Physical Review B</i> , <b>2020</b> , 101,	3-3	6
29	Berry Phase Effects in Dipole Density and the Mott Relation. <i>Physical Review Letters</i> , <b>2020</b> , 124, 066601	7-4	6
28	Scaling parameters in anomalous and nonlinear Hall effects depend on temperature. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	6
27	AC and DC fields in optical lattices: quasienergy band structure. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , <b>2000</b> , 2, 618-627		6
26	Quasi-energy spectrum of multiband superlattices in dc-ac electric fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1996</b> , 222, 435-439	2-3	6
25	Manipulating anomalous Hall antiferromagnets with magnetic fields. <i>Physical Review B</i> , <b>2020</b> , 101,	3-3	5
24	Rashba torque beyond the Boltzmann regime. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	5
23	Topological phase transitions in thin films by tuning multivalley boundary-state couplings. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	5
22	Advances on topological materials. <i>Frontiers of Physics</i> , <b>2020</b> , 15, 1	3-7	4
21	Thermoelectric generation of orbital magnetization in metals. <i>Physical Review B</i> , <b>2021</b> , 103,	3-3	4
20	Behavior of superconductivity in a Pb/Ag heterostructure. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	3
19	Out-of-plane carrier spin in transition-metal dichalcogenides under electric current. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 16749-16755	11-5	3
18	Temperature dependence of the side-jump spin Hall conductivity. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	3
17	Valley-contrasting orbital magnetic moment induced negative magnetoresistance. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	3

16	Screening, Nonadiabaticity, and Quantized Acoustoelectric Current. <i>Journal of Low Temperature Physics</i> , <b>2000</b> , 118, 571-577	1.3	3
15	Theory of the phonon side-jump contribution in anomalous Hall effect. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
14	Phonon Magnetic Moment from Electronic Topological Magnetization. <i>Physical Review Letters</i> , <b>2021</b> , 127, 186403	7.4	2
13	Josephson radiation from nonlinear dynamics of Majorana zero modes. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	1
12	Electronic contribution to the geometric dynamics of magnetization. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	1
11	Chiral anomaly and anomalous finite-size conductivity in graphene. <i>2D Materials</i> , <b>2017</b> , 4, 035014	5.9	1
10	Electron dynamics in slowly modulated crystals: theorems of power and adiabatic drifting. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2001</b> , 9, 327-332	3	1
9	Coupling of source and drain to a quantum Hall system. <i>Physical Review B</i> , <b>1986</b> , 33, 3785-3792	3.3	1
8	Berry Curvature Effects on Quasiparticle Dynamics in Superconductors. <i>Physical Review Letters</i> , <b>2021</b> , 126, 187001	7.4	1
7	Van der Waals heterostructure Pt <sub>2</sub> HgSe <sub>3</sub> /CrI <sub>3</sub> for topological valleytronics. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
6	Attractive electron-electron interaction induced by geometric phase in a Bloch band. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	0
5	Floquet-Bloch Oscillations and Intra-band Zener Tunneling in an Oblique Spacetime Crystal. <i>Physical Review Letters</i> , <b>2021</b> , 127, 036401	7.4	0
4	Electron depletion due to bias of a T-shaped field-effect transistor. <i>Journal of Applied Physics</i> , <b>1995</b> , 78, 640-646	2.5	
3	PRECISION OF A QUANTUM CHARGE PUMP NEAR THE ADIABATIC REGIME. <i>International Journal of Modern Physics B</i> , <b>1994</b> , 08, 3987-4006	1.1	
2	CONNECTIONS BETWEEN THE QUANTUM HALL EFFECT AND CONFORMAL FIELD THEORY. <i>Modern Physics Letters A</i> , <b>1992</b> , 07, 2837-2849	1.3	
1	Quantum Effect in Metal Overlayers on Semiconductor Substrates. <i>Series on Directions in Condensed Matter Physics</i> , <b>1999</b> , 149-173		