

Xi Dai

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198
papers

39,615
citations

77
h-index

199
g-index

207
ext. papers

45,812
ext. citations

7.1
avg, IF

7.41
L-index

#	Paper	IF	Citations
198	Topological insulators in Bi ₂ Se ₃ , Bi ₂ Te ₃ and Sb ₂ Te ₃ with a single Dirac cone on the surface. <i>Nature Physics</i> , 2009 , 5, 438-442	16.2	4411
197	Experimental realization of a three-dimensional topological insulator, Bi ₂ Te ₃ . <i>Science</i> , 2009 , 325, 178-81	33.3	2650
196	Experimental observation of the quantum anomalous Hall effect in a magnetic topological insulator. <i>Science</i> , 2013 , 340, 167-70	33.3	2044
195	Discovery of a three-dimensional topological Dirac semimetal, Na ₃ Bi. <i>Science</i> , 2014 , 343, 864-7	33.3	1516
194	Type-II Weyl semimetals. <i>Nature</i> , 2015 , 527, 495-8	50.4	1482
193	Quantized anomalous Hall effect in magnetic topological insulators. <i>Science</i> , 2010 , 329, 61-4	33.3	1382
192	Dirac semimetal and topological phase transitions in A ₃ Bi (A=Na, K, Rb). <i>Physical Review B</i> , 2012 , 85,	3.3	1244
191	Experimental Discovery of Weyl Semimetal TaAs. <i>Physical Review X</i> , 2015 , 5,	9.1	1167
190	Three-dimensional Dirac semimetal and quantum transport in Cd ₃ As ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	1094
189	Crossover of the three-dimensional topological insulator Bi ₂ Se ₃ to the two-dimensional limit. <i>Nature Physics</i> , 2010 , 6, 584-588	16.2	1048
188	A stable three-dimensional topological Dirac semimetal Cd ₃ As ₂ . <i>Nature Materials</i> , 2014 , 13, 677-81	27	1010
187	Weyl Semimetal Phase in Noncentrosymmetric Transition-Metal Monophosphides. <i>Physical Review X</i> , 2015 , 5,	9.1	968
186	Chern semimetal and the quantized anomalous Hall effect in HgCr ₂ Se ₄ . <i>Physical Review Letters</i> , 2011 , 107, 186806	7.4	960
185	Observation of Fermi-surface-dependent nodeless superconducting gaps in Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Europhysics Letters</i> , 2008 , 83, 47001	1.6	867
184	Observation of the Chiral-Anomaly-Induced Negative Magnetoresistance in 3D Weyl Semimetal TaAs. <i>Physical Review X</i> , 2015 , 5,	9.1	752
183	Observation of Weyl nodes in TaAs. <i>Nature Physics</i> , 2015 , 11, 724-727	16.2	683
182	Competing orders and spin-density-wave instability in La(O _{1-x} F _x)FeAs. <i>Europhysics Letters</i> , 2008 , 83, 27006	1.6	598

181	Experimental demonstration of topological surface states protected by time-reversal symmetry. <i>Physical Review Letters</i> , 2009 , 103, 266803	7.4	586
180	Model Hamiltonian for topological insulators. <i>Physical Review B</i> , 2010 , 82,	3.3	563
179	Topological Node-Line Semimetal and Dirac Semimetal State in Antiperovskite Cu ₃ PdN. <i>Physical Review Letters</i> , 2015 , 115, 036807	7.4	524
178	Equivalent expression of Z ₂ topological invariant for band insulators using the non-Abelian Berry connection. <i>Physical Review B</i> , 2011 , 84,	3.3	494
177	Topological node-line semimetal in three-dimensional graphene networks. <i>Physical Review B</i> , 2015 , 92,	3.3	488
176	Quantum anomalous hall effect in Hg _{1-y} MnyTe quantum wells. <i>Physical Review Letters</i> , 2008 , 101, 146802	7.4	487
175	Oscillatory crossover from two-dimensional to three-dimensional topological insulators. <i>Physical Review B</i> , 2010 , 81,	3.3	389
174	Multi-Weyl topological semimetals stabilized by point group symmetry. <i>Physical Review Letters</i> , 2012 , 108, 266802	7.4	366
173	Topological nodal line semimetals. <i>Chinese Physics B</i> , 2016 , 25, 117106	1.2	358
172	Intrinsic topological insulator Bi ₂ Te ₃ thin films on Si and their thickness limit. <i>Advanced Materials</i> , 2010 , 22, 4002-7	2.4	335
171	Landau quantization of topological surface states in Bi ₂ Se ₃ . <i>Physical Review Letters</i> , 2010 , 105, 076801	7.4	327
170	First-principles studies of the three-dimensional strong topological insulators Bi ₂ Te ₃ , Bi ₂ Se ₃ and Sb ₂ Te ₃ . <i>New Journal of Physics</i> , 2010 , 12, 065013	2.9	295
169	Absence of a holelike fermi surface for the iron-based K _{0.8} F _{1.7} Se ₂ superconductor revealed by angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2011 , 106, 187001	7.4	288
168	MoTe ₂ : A Type-II Weyl Topological Metal. <i>Physical Review Letters</i> , 2016 , 117, 056805	7.4	286
167	Quintuple-layer epitaxy of thin films of topological insulator Bi ₂ Se ₃ . <i>Applied Physics Letters</i> , 2009 , 95, 053114	3.4	268
166	Re-emerging superconductivity at 48 kelvin in iron chalcogenides. <i>Nature</i> , 2012 , 483, 67-9	50.4	260
165	Crossover between weak antilocalization and weak localization in a magnetically doped topological insulator. <i>Physical Review Letters</i> , 2012 , 108, 036805	7.4	253
164	Quantum anomalous Hall effect and related topological electronic states. <i>Advances in Physics</i> , 2015 , 64, 227-282	18.4	251

163	Correlated topological insulators with mixed valence. <i>Physical Review Letters</i> , 2013 , 110, 096401	7.4	245
162	Pressure-induced superconductivity in topological parent compound Bi ₂ Te ₃ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 24-8	11.5	236
161	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. <i>Nature Communications</i> , 2016 , 7, 11006	7.4	224
160	Doping-dependent phase diagram of LaOMAs (M=V,Ti) and electron-type superconductivity near ferromagnetic instability. <i>Europhysics Letters</i> , 2008 , 82, 67002	1.6	206
159	Calculated phonon spectra of plutonium at high temperatures. <i>Science</i> , 2003 , 300, 953-5	33.3	206
158	Topological semimetals predicted from first-principles calculations. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 303001	1.8	202
157	Thin films of magnetically doped topological insulator with carrier-independent long-range ferromagnetic order. <i>Advanced Materials</i> , 2013 , 25, 1065-70	24	201
156	Transition-Metal Pentatelluride ZrTe ₅ and HfTe ₅ : A Paradigm for Large-Gap Quantum Spin Hall Insulators. <i>Physical Review X</i> , 2014 , 4,	9.1	196
155	Observation of Dirac cone electronic dispersion in BaFe ₂ As ₂ . <i>Physical Review Letters</i> , 2010 , 104, 137001	7.4	196
154	Wilson-loop characterization of inversion-symmetric topological insulators. <i>Physical Review B</i> , 2014 , 89,	3.3	188
153	Topological semimetals with triply degenerate nodal points in ϵ -phase tantalum nitride. <i>Physical Review B</i> , 2016 , 93,	3.3	187
152	Orbital-selective Mott transition out of band degeneracy lifting. <i>Physical Review Letters</i> , 2009 , 102, 126401	7.1	175
151	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. <i>Physical Review B</i> , 2015 , 92,	3.3	169
150	A precise method for visualizing dispersive features in image plots. <i>Review of Scientific Instruments</i> , 2011 , 82, 043712	1.7	163
149	Observation of Fermi arc and its connection with bulk states in the candidate type-II Weyl semimetal WTe ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	158
148	Direct observation of the spin texture in SmB ₆ as evidence of the topological Kondo insulator. <i>Nature Communications</i> , 2014 , 5, 4566	17.4	155
147	Topological aspect and quantum magnetoresistance of ϵ -Ag ₂ Te. <i>Physical Review Letters</i> , 2011 , 106, 156808	7.4	155
146	Helical edge and surface states in HgTe quantum wells and bulk insulators. <i>Physical Review B</i> , 2008 , 77,	3.3	153

145	Topological nodal line semimetals in the CaP3 family of materials. <i>Physical Review B</i> , 2017 , 95,	3.3	142
144	Topological insulator Bi ₂ Se ₃ thin films grown on double-layer graphene by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2010 , 97, 143118	3.4	140
143	Coexistence of Weyl fermion and massless triply degenerate nodal points. <i>Physical Review B</i> , 2016 , 94,	3.3	140
142	Large linear magnetoresistance in Dirac semimetal Cd ₃ As ₂ with Fermi surfaces close to the Dirac points. <i>Physical Review B</i> , 2015 , 92,	3.3	139
141	Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3694-8	11.5	139
140	Electronic evidence of temperature-induced Lifshitz transition and topological nature in ZrTe. <i>Nature Communications</i> , 2017 , 8, 15512	17.4	131
139	Evidence of topological surface state in three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>Scientific Reports</i> , 2014 , 4, 6106	4.9	131
138	Topological nature of the FeSe _{0.5} Te _{0.5} superconductor. <i>Physical Review B</i> , 2015 , 92,	3.3	129
137	Topological crystalline Kondo insulator in mixed valence ytterbium borides. <i>Physical Review Letters</i> , 2014 , 112, 016403	7.4	123
136	Two-dimensional oxide topological insulator with iron-pnictide superconductor LiFeAs structure. <i>Physical Review B</i> , 2015 , 92,	3.3	120
135	Isotropic superconducting gaps with enhanced pairing on electron Fermi surfaces in FeTe _{0.55} Se _{0.45} . <i>Physical Review B</i> , 2012 , 85,	3.3	120
134	Pseudo Landau level representation of twisted bilayer graphene: Band topology and implications on the correlated insulating phase. <i>Physical Review B</i> , 2019 , 99,	3.3	106
133	Topological charge pumping in a one-dimensional optical lattice. <i>Physical Review Letters</i> , 2013 , 111, 026802	3.0	103
132	Electronic structures and surface states of the topological insulator Bi _{1-x} Sb _x . <i>Physical Review B</i> , 2009 , 80,	3.3	101
131	Landau level splitting in Cd ₃ As ₂ under high magnetic fields. <i>Nature Communications</i> , 2015 , 6, 7779	17.4	98
130	Local density approximation combined with Gutzwiller method for correlated electron systems: Formalism and applications. <i>Physical Review B</i> , 2009 , 79,	3.3	97
129	Even parity, orbital singlet, and spin triplet pairing for superconducting LaFeAsO _{1-x} F _x . <i>Physical Review Letters</i> , 2008 , 101, 057008	7.4	93
128	Time-reversal-invariant topological superconductivity in doped Weyl semimetals. <i>Physical Review B</i> , 2014 , 90,	3.3	91

127	Topological nodal line semimetals predicted from first-principles calculations. <i>Frontiers of Physics</i> , 2017 , 12, 1	3.7	91
126	Atomically smooth ultrathin films of topological insulator Sb ₂ Te ₃ . <i>Nano Research</i> , 2010 , 3, 874-880	10	91
125	Higher-Order Topology of the Axion Insulator EuIn ₂ As ₂ . <i>Physical Review Letters</i> , 2019 , 122, 256402	7.4	90
124	Observation of Fermi-Arc Spin Texture in TaAs. <i>Physical Review Letters</i> , 2015 , 115, 217601	7.4	89
123	Persistent high-energy spin excitations in iron-pnictide superconductors. <i>Nature Communications</i> , 2013 , 4, 1470	17.4	83
122	Evidence for Topological Edge States in a Large Energy Gap near the Step Edges on the Surface of ZrTe ₅ . <i>Physical Review X</i> , 2016 , 6,	9.1	82
121	Quantum Valley Hall Effect, Orbital Magnetism, and Anomalous Hall Effect in Twisted Multilayer Graphene Systems. <i>Physical Review X</i> , 2019 , 9,	9.1	77
120	Electronic structure of optimally doped pnictide Ba _{0.6} K _{0.4} Fe ₂ As ₂ : a comprehensive angle-resolved photoemission spectroscopy investigation. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 135701	1.8	76
119	Three-component fermions with surface Fermi arcs in tungsten carbide. <i>Nature Physics</i> , 2018 , 14, 349-354	16.2	75
118	Strong anisotropy of Dirac cones in SrMnBi ₂ and CaMnBi ₂ revealed by angle-resolved photoemission spectroscopy. <i>Scientific Reports</i> , 2014 , 4, 5385	4.9	71
117	Recent Progress in the Study of Topological Semimetals. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 041001	1.5	69
116	Strong and fragile topological Dirac semimetals with higher-order Fermi arcs. <i>Nature Communications</i> , 2020 , 11, 627	17.4	68
115	Exploration and prediction of topological electronic materials based on first-principles calculations. <i>MRS Bulletin</i> , 2014 , 39, 849-858	3.2	65
114	Symmetry-enforced chiral hinge states and surface quantum anomalous Hall effect in the magnetic axion insulator Bi ₂ SmxSe ₃ . <i>Nature Physics</i> , 2019 , 15, 577-581	16.2	59
113	Gutzwiller density functional studies of FeAs-based superconductors: structure optimization and evidence for a three-dimensional Fermi surface. <i>Physical Review Letters</i> , 2010 , 104, 047002	7.4	58
112	Schwinger-boson mean-field theory of the Heisenberg ferrimagnetic spin chain. <i>Physical Review B</i> , 1999 , 60, 1057-1063	3.3	57
111	Giant semiclassical magnetoresistance in high mobility TaAs ₂ semimetal. <i>Applied Physics Letters</i> , 2016 , 108, 042105	3.4	56
110	Efficient implementation of the Gutzwiller variational method. <i>Physical Review B</i> , 2012 , 85,	3.3	53

109	Evidence for Half-Metallicity in n-type HgCr ₂ Se ₄ . <i>Physical Review Letters</i> , 2015 , 115, 087002	7.4	52
108	Observation of a novel orbital selective Mott transition in Ca(1.8)Sr(0.2)RuO(4). <i>Physical Review Letters</i> , 2009 , 103, 097001	7.4	52
107	Electron-hole asymmetry and quantum critical point in hole-doped BaFe ₂ As ₂ . <i>Europhysics Letters</i> , 2008 , 84, 67015	1.6	52
106	Parallel field magnetoresistance in topological insulator thin films. <i>Physical Review B</i> , 2013 , 88,	3.3	50
105	Pressure-driven quantum criticality in iron-selenide superconductors. <i>Physical Review Letters</i> , 2012 , 108, 197001	7.4	48
104	Identification of Topological Surface State in PdTe ₂ Superconductor by Angle-Resolved Photoemission Spectroscopy. <i>Chinese Physics Letters</i> , 2015 , 32, 067303	1.8	47
103	Lifshitz transition mediated electronic transport anomaly in bulk ZrTe ₅ . <i>New Journal of Physics</i> , 2017 , 19, 015005	2.9	43
102	Orbital characters determined from Fermi surface intensity patterns using angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2012 , 85,	3.3	43
101	Pressure effect on superconductivity of iron-based arsenic-oxide ReFeAsO _{0.85} (Re=Sm and Nd). <i>Europhysics Letters</i> , 2008 , 83, 57002	1.6	42
100	Magnetic-field enhanced high-thermoelectric performance in topological Dirac semimetal Cd ₃ As ₂ crystal. <i>Science Bulletin</i> , 2018 , 63, 411-418	10.6	40
99	Interaction-induced quantum anomalous Hall phase in (111) bilayer of LaCoO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	40
98	Resistivity minima and Kondo effect in ferromagnetic GaMnAs films. <i>Applied Physics Letters</i> , 2005 , 87, 162506	3.4	40
97	Detecting the chiral magnetic effect by lattice dynamics in Weyl semimetals. <i>Physical Review B</i> , 2016 , 94,	3.3	40
96	LDA + Gutzwiller method for correlated electron systems. <i>Europhysics Letters</i> , 2008 , 83, 37008	1.6	37
95	Hybrid Weyl semimetal. <i>Physical Review B</i> , 2016 , 94,	3.3	36
94	Theories for the correlated insulating states and quantum anomalous Hall effect phenomena in twisted bilayer graphene. <i>Physical Review B</i> , 2021 , 103,	3.3	36
93	Topological insulator to Dirac semimetal transition driven by sign change of spin-orbit coupling in thallium nitride. <i>Physical Review B</i> , 2014 , 90,	3.3	35
92	Phase diagram of Na _x CoO ₂ studied by Gutzwiller density-functional theory. <i>Physical Review Letters</i> , 2008 , 101, 066403	7.4	34

91	iQIST: An open source continuous-time quantum Monte Carlo impurity solver toolkit. <i>Computer Physics Communications</i> , 2015 , 195, 140-160	4.2	31
90	Density functional theory for atomic Fermi gases. <i>Nature Physics</i> , 2012 , 8, 601-605	16.2	31
89	Valence change of europium in $\text{EuFe}_2\text{As}_{1.4}\text{P}_{0.6}$ and compressed EuFe_2As_2 and its relation to superconductivity. <i>Physical Review B</i> , 2010 , 82,	3.3	31
88	Heavy Weyl Fermion State in CeRu_4Sn_6 . <i>Physical Review X</i> , 2017 , 7,	9.1	30
87	Breakdown of three-dimensional Dirac semimetal state in pressurized Cd_3As_2 . <i>Physical Review B</i> , 2015 , 91,	3.3	30
86	Interaction-induced topological phase transition in the Bernevig-Hughes-Zhang model. <i>Europhysics Letters</i> , 2012 , 98, 57001	1.6	28
85	Mean-field theory for the spin-ladder system. <i>Physical Review B</i> , 1998 , 57, 964-969	3.3	28
84	Superconductivity of topological matters induced via pressure. <i>Frontiers of Physics</i> , 2012 , 7, 193-199	3.7	27
83	Half-metallic surface states and topological superconductivity in NaCoO_2 from first principles. <i>Physical Review B</i> , 2011 , 84,	3.3	27
82	Heisenberg spin-1 chain in a staggered magnetic field: A density-matrix-renormalization-group study. <i>Physical Review B</i> , 1999 , 60, 52-55	3.3	27
81	Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB_{12} . <i>Physical Review Letters</i> , 2020 , 124, 076403	7.4	25
80	Pressure-driven orbital selective insulator-to-metal transition and spin-state crossover in cubic CoO . <i>Physical Review B</i> , 2012 , 85,	3.3	25
79	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies of CuCr_2Se_4 . <i>Physical Review B</i> , 2007 , 75,	3.3	25
78	Pressure-induced topological phase transitions and strongly anisotropic magnetoresistance in bulk black phosphorus. <i>Physical Review B</i> , 2017 , 95,	3.3	24
77	Transverse electric current induced by optically injected spin current in a cross-shaped InGaAs/InAlAs system. <i>Applied Physics Letters</i> , 2006 , 88, 162105	3.4	24
76	Quantum Anomalous Vortex and Majorana Zero Mode in Iron-Based Superconductor $\text{Fe}(\text{Te},\text{Se})$. <i>Physical Review X</i> , 2019 , 9,	9.1	23
75	High-pressure study on $\text{LaFeAs}(\text{O} \pm \text{F} x)$ and LaFeAsO with different T_c . <i>Europhysics Letters</i> , 2008 , 84, 67009	1.6	22
74	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016 , 28, 5013-7	24	22

73	Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked MoS. <i>Nano Letters</i> , 2019 , 19, 1736-1742	11.5	21
72	Anomalous Hall effect, magneto-optical properties, and nonlinear optical properties of twisted graphene systems. <i>Npj Computational Materials</i> , 2020 , 6,	10.9	21
71	Strong-coupling solver for the quantum impurity model. <i>Physical Review B</i> , 2005 , 72,	3.3	21
70	Topological Insulators versus Topological Dirac Semimetals in Honeycomb Compounds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13687-13694	16.4	21
69	Topologically Entangled Rashba-Split Shockley States on the Surface of Grey Arsenic. <i>Physical Review Letters</i> , 2017 , 118, 046802	7.4	20
68	The electronic structure of NaIrO ₃ , Mott insulator or band insulator?. <i>Europhysics Letters</i> , 2013 , 101, 27003	1.6	20
67	Metal-insulator transition in three-band Hubbard model with strong spin-orbit interaction. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	20
66	Resonant intrinsic spin hall effect in p-type GaAs quantum well structure. <i>Physical Review Letters</i> , 2006 , 96, 086802	7.4	20
65	Model Hamiltonian for topological Kondo insulator SmB ₆ . <i>New Journal of Physics</i> , 2015 , 17, 023012	2.9	19
64	Determining the chirality of Weyl fermions from circular dichroism spectra in time-dependent angle-resolved photoemission. <i>Physical Review B</i> , 2016 , 93,	3.3	19
63	Coherent helix vacancy phonon and its ultrafast dynamics waning in topological Dirac semimetal Cd ₃ As ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	19
62	Frequency domain winding number and interaction effect on topological insulators. <i>Physical Review B</i> , 2011 , 84,	3.3	18
61	Pole expansion of self-energy and interaction effect for topological insulators. <i>Physical Review B</i> , 2012 , 85,	3.3	18
60	Theory for supersolid He ₄ : Vacancy condensation facilitated by a low-energy bound state of a vacancy and an interstitial. <i>Physical Review B</i> , 2005 , 72,	3.3	18
59	40 years of the quantum Hall effect. <i>Nature Reviews Physics</i> , 2020 , 2, 397-401	23.6	18
58	Complete phase diagram for three-band Hubbard model with orbital degeneracy lifted by crystal field splitting. <i>Physical Review B</i> , 2012 , 86,	3.3	17
57	Pressure-induced competition between superconductivity and Kondo effect in CeFeAsO 1-x F x (x=0.16 and 0.3). <i>Europhysics Letters</i> , 2010 , 91, 57008	1.6	17
56	Correlation between superconductivity and antiferromagnetism in Rb _{0.8} Fe ₂ Se ₂ Te _x single crystals. <i>Physical Review B</i> , 2012 , 85,	3.3	17

55	Magnetotransport properties in a compensated semimetal gray arsenic. <i>Physical Review B</i> , 2017 , 95,	3-3	16
54	Hear the Sound of Weyl Fermions. <i>Physical Review X</i> , 2019 , 9,	9-1	16
53	Electronic structure of transition metal dichalcogenides PdTe ₂ and Cu _{0.05} PdTe ₂ superconductors obtained by angle-resolved photoemission spectroscopy. <i>Chinese Physics B</i> , 2015 , 24, 067401	1.2	16
52	Experimental evidence for orbital magnetic moments generated by moiré-scale current loops in twisted bilayer graphene. <i>Physical Review B</i> , 2020 , 102,	3-3	16
51	Antiferromagnetic Chern Insulators in Noncentrosymmetric Systems. <i>Physical Review Letters</i> , 2018 , 120, 157205	7-4	15
50	Anomalous High-Energy Waterfall-Like Electronic Structure in 5 d Transition Metal Oxide Sr ₂ IrO ₄ with a Strong Spin-Orbit Coupling. <i>Scientific Reports</i> , 2015 , 5, 13036	4-9	15
49	Electronic structure, Dirac points and Fermi arc surface states in three-dimensional Dirac semimetal Na ₃ Bi from angle-resolved photoemission spectroscopy. <i>Chinese Physics B</i> , 2016 , 25, 077101	1.2	14
48	Orbital-dependent electronic masses in Ce heavy-fermion materials studied via Gutzwiller density-functional theory. <i>Physical Review B</i> , 2014 , 89,	3-3	14
47	Photogalvanic in ultrathin film of topological insulator. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 895-899	3	14
46	Intermediate-pressure phases of cerium studied by an LDA + Gutzwiller method. <i>Physical Review B</i> , 2011 , 84,	3-3	14
45	Magnetism of cold fermionic atoms on the p band of an optical lattice. <i>Physical Review A</i> , 2008 , 78,	2.6	14
44	Anomalous Magneto-Transport Behavior in Transition Metal Pentatelluride HfTe ₅ . <i>Chinese Physics Letters</i> , 2017 , 34, 037102	1.8	13
43	Light-induced Hall effect in semiconductors with spin-orbit coupling. <i>Physical Review B</i> , 2007 , 76,	3-3	12
42	Proposed design of a Josephson diode. <i>Physical Review Letters</i> , 2007 , 99, 067004	7-4	11
41	Giant Magnetic Quantum Oscillations in the Thermal Conductivity of TaAs: Indications of Chiral Zero Sound. <i>Physical Review X</i> , 2019 , 9,	9-1	10
40	Thermodynamics of the \mathbb{Z}_2 transition in cerium studied by an LDA + Gutzwiller method. <i>Physical Review B</i> , 2015 , 91,	3-3	10
39	Noncollinear Magnetic Structure and Multipolar Order in Eu ₂ Ir ₂ O ₇ . <i>Physical Review Letters</i> , 2017 , 119, 187203	7-4	9
38	Implementation of LDA+DMFT with the pseudo-potential-plane-wave method. <i>Chinese Physics B</i> , 2012 , 21, 057106	1.2	9

37	Spin conduction in anisotropic three-dimensional topological insulators. <i>Physical Review B</i> , 2012 , 85,	3.3	9
36	Topological metals induced by the Zeeman effect. <i>Physical Review B</i> , 2020 , 101,	3.3	8
35	Fermi surface sheet-dependent band splitting in Sr ₂ RuO ₄ revealed by high-resolution angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2012 , 86,	3.3	8
34	Fast impurity solver based on Gutzwiller variational approach. <i>Physical Review B</i> , 2009 , 79,	3.3	8
33	Fermi surface of underdoped high-T _c superconducting cuprates. <i>Physical Review B</i> , 1997 , 56, 5583-5589	3.3	7
32	Fermi Surface Evolution, Pseudogap, and Staggered Gauge Field Fluctuations in Underdoped Cuprates. <i>Physical Review Letters</i> , 1998 , 81, 2136-2139	7.4	7
31	Weyl semimetals: A group family picture. <i>Nature Materials</i> , 2016 , 15, 5-6	27	6
30	Instability of Dirac semimetal phase under a strong magnetic field. <i>Physical Review B</i> , 2017 , 96,	3.3	6
29	Generation and detection of spin current in the three-terminal quantum dot. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 495304	1.8	6
28	Topological properties and orbital magnetism in twisted graphene systems. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 147301	0.6	6
27	Orbital magnetic states in moiré graphene systems. <i>Nature Reviews Physics</i> , 2021 , 3, 367-382	23.6	6
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