

Xi Dai

List of Publications by Year in descending order

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papers

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207
times ranked

18844
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological insulators in Bi ₂ Se ₃ , Bi ₂ Te ₃ and Sb ₂ Te ₃ with a single Dirac cone on the surface. Nature Physics, 2009, 5, 438-442.	6.5	5,240
2	Experimental Realization of a Three-Dimensional Topological Insulator, Bi ₂ Te ₃ . Science, 2009, 325, 178-181.	6.0	3,095
3	Experimental Observation of the Quantum Anomalous Hall Effect in a Magnetic Topological Insulator. Science, 2013, 340, 167-170.	6.0	2,821
4	Type-II Weyl semimetals. Nature, 2015, 527, 495-498.	13.7	1,977
5	Discovery of a Three-Dimensional Topological Dirac Semimetal, Na ₃ Bi. Science, 2014, 343, 864-867.	6.0	1,889
6	Quantized Anomalous Hall Effect in Magnetic Topological Insulators. Science, 2010, 329, 61-64.	6.0	1,770
7	Dirac semimetal and topological phase transitions in $\text{Bi}_3\text{Tf}_5\text{Td}$ ($\text{Bi}_3\text{Tf}_5\text{Td}$)	4.1	1,529
8	Experimental Discovery of Weyl Semimetal TaAs. Physical Review X, 2015, 5, .	2.8	1,506
9	Three-dimensional Dirac semimetal and quantum transport in Cd ₃ As ₂ . Physical Review B, 2013, 88, .	1.1	1,357
10	A stable three-dimensional topological Dirac semimetal Cd ₃ As ₂ . Nature Materials, 2014, 13, 677-681.	13.3	1,242
11	Weyl Semimetal Phase in Noncentrosymmetric Transition-Metal Monophosphides. Physical Review X, 2015, 5, .	2.8	1,242
12	Crossover of the three-dimensional topological insulator Bi ₂ Se ₃ to the two-dimensional limit. Nature Physics, 2010, 6, 584-588.	6.5	1,227
13	Chern Semimetal and the Quantized Anomalous Hall Effect in HgCr_2Se_4 . Physical Review Letters, 2011, 107, 186806.	2.9	1,227
14	Observation of the Chiral-Anomaly-Induced Negative Magnetoresistance in 3D Weyl Semimetal TaAs. Physical Review X, 2015, 5, .	2.8	996
15	Observation of Fermi-surface-dependent nodeless superconducting gaps in Ba _{0.6} K _{0.4} Fe ₂ As ₂ . Europhysics Letters, 2008, 83, 47001.	0.7	905
16	Observation of Weyl nodes in TaAs. Nature Physics, 2015, 11, 724-727.	6.5	867
17	Model Hamiltonian for topological insulators. Physical Review B, 2010, 82, .	1.1	719
18	Equivalent expression of χ_2 topological invariant for band insulators using the non-Abelian Berry connection. Physical Review B, 2011, 84, .	1.1	667

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19	Topological Node-Line Semimetal and Dirac Semimetal State in Antiperovskite $\text{Cu}_3\text{Mn}_3\text{Sb}_5$. Physical Review Letters, 2015, 115, 036807.	2.9	663
20	Experimental Demonstration of Topological Surface States Protected by Time-Reversal Symmetry. Physical Review Letters, 2009, 103, 266803.	2.9	653
21	Competing orders and spin-density-wave instability in $\text{La}(\text{O}_x\text{F}_{1-x})\text{FeAs}$. Europhysics Letters, 2008, 83, 27006.	0.7	627
22	Topological node-line semimetal in three-dimensional graphene networks. Physical Review B, 2015, 92, .	1.1	619
23	Quantum Anomalous Hall Effect in $\text{Hg}_x\text{Mn}_{1-x}\text{Te}$ Wells. Physical Review Letters, 2008, 101, 146802.	2.9	598
24	Topological nodal line semimetals. Chinese Physics B, 2016, 25, 117106.	0.7	589
25	Multi-Weyl Topological Semimetals Stabilized by Point Group Symmetry. Physical Review Letters, 2012, 108, 266802.	2.9	545
26	Oscillatory crossover from two-dimensional to three-dimensional topological insulators. Physical Review B, 2010, 81, .	1.1	459
27	Intrinsic Topological Insulator Bi_2Te_3 Thin Films on Si and Their Thickness Limit. Advanced Materials, 2010, 22, 4002-4007.	11.1	376
28	Quantum anomalous Hall effect and related topological electronic states. Advances in Physics, 2015, 64, 227-282.	35.9	374
29	Landau Quantization of Topological Surface States in Bi_2Se_3 . Physical Review Letters, 2010, 105, 076801.	2.9	352
30	MoTe_2 : A Type-II Weyl Topological Metal. Physical Review Letters, 2016, 117, 056805.	2.9	351
31	First-principles studies of the three-dimensional strong topological insulators Bi_2Te_3 , Bi_2Se_3 and Sb_2Te_3 . New Journal of Physics, 2010, 12, 065013.	1.2	342
32	Quintuple-layer epitaxy of thin films of topological insulator Bi_2Se_3 . Applied Physics Letters, 2009, 95, .	1.5	304
33	Absence of a Holelike Fermi Surface for the Iron-Based $\text{K}_{0.8}\text{Fe}_{1.7}\text{As}_2$ Revealed by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2011, 106, 187001.	2.9	304
34	Crossover between Weak Antilocalization and Weak Localization in a Magnetically Doped Topological Insulator. Physical Review Letters, 2012, 108, 036805.	2.9	295
35	Re-emerging superconductivity at 48 K in iron chalcogenides. Nature, 2012, 483, 67-69.	13.7	294
36	Correlated Topological Insulators with Mixed Valence. Physical Review Letters, 2013, 110, 096401.	2.9	293

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37	Pressure-induced superconductivity in topological parent compound Bi ₂ Te ₃ . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 24-28.	3.3	288
38	Topological semimetals predicted from first-principles calculations. Journal of Physics Condensed Matter, 2016, 28, 303001.	0.7	286
39	Wilson-loop characterization of inversion-symmetric topological insulators. Physical Review B, 2014, 89, .	1.1	283
40	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. Nature Communications, 2016, 7, 11006.	5.8	264
41	Thin Films of Magnetically Doped Topological Insulator with Carrier-Independent Long-Range Ferromagnetic Order. Advanced Materials, 2013, 25, 1065-1070.	11.1	246
42	Topological semimetals with triply degenerate nodal points in Γ_1 -phase tantalum nitride. Physical Review B, 2016, 93, .	1.1	242
43	Topological semimetals with triply degenerate nodal points in Γ_1 -phase tantalum nitride. Physical Review B, 2016, 93, .	2.8	237
44	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. Physical Review B, 2015, 92, .	1.1	229
45	Calculated Phonon Spectra of Plutonium at High Temperatures. Science, 2003, 300, 953-955.	6.0	227
46	Topological nature of the Γ_1 -phase FeSe . Physical Review B, 2015, 92, .	2.9	221
47	Doping-dependent phase diagram of LaOMAs (M=V, Cu) and electron-type superconductivity near ferromagnetic instability. Europhysics Letters, 2008, 82, 67002.	0.7	218
48	Higher-Order Topology of the Axion Insulator EuIn_2As_2 . Physical Review Letters, 2019, 122, 256402.	2.9	218
49	A precise method for visualizing dispersive features in image plots. Review of Scientific Instruments, 2011, 82, 043712.	0.6	217
50	Orbital-Selective Mott Transition out of Band Degeneracy Lifting. Physical Review Letters, 2009, 102, 126401.	2.9	215
51	Observation of Dirac Cone Electronic Dispersion in BaFe_2As_2 . Physical Review Letters, 2010, 104, 137001.	2.9	215
52	Direct observation of the spin texture in Sb_2Te_3 as evidence of the topological Kondo insulator. Nature Communications, 2014, 5, 4566.	5.8	193
53	Topological nodal line semimetals in the CaP_3 family of materials. Physical Review B, 2017, 95, .	1.1	191
54	Pseudo Landau level representation of twisted bilayer graphene: Band topology and implications on the correlated insulating phase. Physical Review B, 2019, 99, .	1.1	191

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55	Large linear magnetoresistance in Dirac semimetal Cd_3As_2 . Fermi surfaces close to the Dirac points. Physical Review B, 2015, 92, .	1.3	190
56	Electronic evidence of temperature-induced Lifshitz transition and topological nature in ZrTe5. Nature Communications, 2017, 8, 15512.	5.8	190
57	Topological Aspect and Quantum Magnetoresistance of $\hat{\alpha}$ Ag_2Te . Physical Review Letters, 2011, 106, 156808.	2.9	183
58	Observation of Fermi arc and its connection with bulk states in the candidate type-II Weyl semimetal WTe_2 . Physical Review B, 2016, 94, .	1.1	182
59	Helical edge and surface states in HgTe quantum wells and bulk insulators. Physical Review B, 2008, 77, .	1.1	174
60	Coexistence of Weyl fermion and massless triply degenerate nodal points. Physical Review B, 2016, 94, .	1.1	169
61	Evidence of Topological Surface State in Three-Dimensional Dirac Semimetal Cd_3As_2 . Scientific Reports, 2014, 4, 6106.	1.6	159
62	Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3694-3698.	3.3	158
63	Topological insulator Bi_2Se_3 thin films grown on double-layer graphene by molecular beam epitaxy. Applied Physics Letters, 2010, 97, .	1.5	154
64	Strong and fragile topological Dirac semimetals with higher-order Fermi arcs. Nature Communications, 2020, 11, 627.	5.8	152
65	Two-dimensional oxide topological insulator with iron-pnictide superconductor LiFeAs structure. Physical Review B, 2015, 92, .	1.1	150
66	Topological Crystalline Kondo Insulator in Mixed Valence Ytterbium Borides. Physical Review Letters, 2014, 112, 016403.	2.9	148
67	Topological Charge Pumping in a One-Dimensional Optical Lattice. Physical Review Letters, 2013, 111, 026802.	2.9	142
68	Quantum Valley Hall Effect, Orbital Magnetism, and Anomalous Hall Effect in Twisted Multilayer Graphene Systems. Physical Review X, 2019, 9, .	2.8	136
69	Topological nodal line semimetals predicted from first-principles calculations. Frontiers of Physics, 2017, 12, 1.	2.4	133
70	Isotropic superconducting gaps with enhanced pairing on electron Fermi surfaces in $\text{FeTeSe}_{0.55}$. Physical Review B, 2012, 85, .	1.1	129
71	Landau level splitting in Cd_3As_2 under high magnetic fields. Nature Communications, 2015, 6, 7779.	5.8	126
72	Recent Progress in the Study of Topological Semimetals. Journal of the Physical Society of Japan, 2018, 87, 041001.	0.7	118

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73	Observation of Fermi-Arc Spin Texture in TaAs. Physical Review Letters, 2015, 115, 217601.	2.9	115
74	Local density approximation combined with Gutzwiller method for correlated electron systems: Formalism and applications. Physical Review B, 2009, 79, .	1.1	114
75	Theories for the correlated insulating states and quantum anomalous Hall effect phenomena in twisted bilayer graphene. Physical Review B, 2021, 103, .	1.1	114
76	Electronic structures and surface states of the topological insulator Bi_2Te_3 . Physical Review B, 2009, 80, .	1.1	113
77	Symmetry-enforced chiral hinge states and surface quantum anomalous Hall effect in the magnetic axion insulator Bi_2Te_3 . Nature Physics, 2019, 15, 577-581.	6.5	112
78	Even Parity, Orbital Singlet, and Spin Triplet Pairing for Superconducting LaFeAsO . Physical Review Letters, 2008, 101, 057008.	1.1	109
79	Three-component fermions with surface Fermi arcs in tungsten carbide. Nature Physics, 2018, 14, 349-354.	6.5	109
80	Time-reversal-invariant topological superconductivity in doped Weyl semimetals. Physical Review B, 2014, 90, .	1.1	106
81	Strong Anisotropy of Dirac Cones in SrMnBi_2 and CaMnBi_2 Revealed by Angle-Resolved Photoemission Spectroscopy. Scientific Reports, 2014, 4, 5385.	1.6	105
82	Evidence for Topological Edge States in a Large Energy Gap near the Step Edges on the Surface of ZrTe_5 . Physical Review X, 2016, 6, .	2.8	105
83	Atomically smooth ultrathin films of topological insulator Sb_2Te_3 . Nano Research, 2010, 3, 874-880.	5.8	104
84	Persistent high-energy spin excitations in iron-pnictide superconductors. Nature Communications, 2013, 4, 1470.	5.8	101
85	Electronic structure of optimally doped pnictide $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$: a comprehensive angle-resolved photoemission spectroscopy investigation. Journal of Physics Condensed Matter, 2011, 23, 135701.	0.7	88
86	40 years of the quantum Hall effect. Nature Reviews Physics, 2020, 2, 397-401.	11.9	84
87	Exploration and prediction of topological electronic materials based on first-principles calculations. MRS Bulletin, 2014, 39, 849-858.	1.7	80
88	Lifshitz transition mediated electronic transport anomaly in bulk ZrTe_5 . New Journal of Physics, 2017, 19, 015005.	1.2	68
89	Giant semiclassical magnetoresistance in high mobility TaAs ₂ semimetal. Applied Physics Letters, 2016, 108, 042105.	1.5	67
90	Efficient implementation of the Gutzwiller variational method. Physical Review B, 2012, 85, .	1.1	66

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91	Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB ₆ . Physical Review Letters, 2020, 124, 076403.	2.9	65
92	Gutzwiller Density Functional Studies of FeAs-Based Superconductors: Structure Optimization and Evidence for a Three-Dimensional Fermi Surface. Physical Review Letters, 2010, 104, 047002.	2.9	63
93	Parallel field magnetoresistance in topological insulator thin films. Physical Review B, 2013, 88, .	1.1	63
94	Evidence for Half-Metallicity in $\text{HgCr}_2\text{Br}_2\text{O}_8$. Physical Review Letters, 2015, 115, 087002.	2.9	62
95	Observation of a Novel Orbital Selective Mott Transition in $\text{Ca}_{1.8}\text{Sr}_{0.2}\text{Fe}_2\text{As}_2$. Physical Review Letters, 2009, 103, 097001.	2.9	61
96	Schwinger-boson mean-field theory of the Heisenberg ferrimagnetic spin chain. Physical Review B, 1999, 60, 1057-1063.	1.1	59
97	Identification of Topological Surface State in PdTe ₂ Superconductor by Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2015, 32, 067303.	1.3	57
98	Magnetic-field enhanced high-thermoelectric performance in topological Dirac semimetal Cd ₃ As ₂ crystal. Science Bulletin, 2018, 63, 411-418.	4.3	55
99	Pressure-Driven Quantum Criticality in Iron-Selenide Superconductors. Physical Review Letters, 2012, 108, 197001.	2.9	54
100	Electron-hole asymmetry and quantum critical point in hole-doped BaFe ₂ As ₂ . Europhysics Letters, 2008, 84, 67015.	0.7	53
101	QIST : An open source continuous-time quantum Monte Carlo impurity solver toolkit. Computer Physics Communications, 2015, 195, 140-160.	3.0	51
102	Orbital magnetic states in moiré graphene systems. Nature Reviews Physics, 2021, 3, 367-382.	11.9	51
103	Hybrid Weyl semimetal. Physical Review B, 2016, 94, .	1.1	49
104	Proposed Design of a Josephson Diode. Physical Review Letters, 2007, 99, 067004.	2.9	48
105	Orbital characters determined from Fermi surface intensity patterns using angle-resolved photoemission spectroscopy. Physical Review B, 2012, 85, .	1.1	48
106	Detecting the chiral magnetic effect by lattice dynamics in Weyl semimetals. Physical Review B, 2016, 94, .	1.1	48
107	Interaction-induced quantum anomalous Hall phase in (111) bilayer of LaCoO_3 . Physical Review B, 2015, 91, .	1.1	47
108	Pressure effect on superconductivity of iron-based arsenic-oxide $\text{ReFeAsO}_{0.85}$ (Re=Sm and Nd). Europhysics Letters, 2008, 83, 57002.	0.7	45

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109	Quantum Anomalous Vortex and Majorana Zero Mode in Iron-Based Superconductor Fe(Te,Se). Physical Review X, 2019, 9, .	2.8	44
110	Resistivity minima and Kondo effect in ferromagnetic GaMnAs films. Applied Physics Letters, 2005, 87, 162506.	1.5	43
111	Topological insulator to Dirac semimetal transition driven by sign change of spin-orbit coupling in thallium nitride. Physical Review B, 2014, 90, .	1.1	43
112	Topological Insulators versus Topological Dirac Semimetals in Honeycomb Compounds. Journal of the American Chemical Society, 2018, 140, 13687-13694.	6.6	42
113	Anomalous Hall effect, magneto-optical properties, and nonlinear optical properties of twisted graphene systems. Npj Computational Materials, 2020, 6, .	3.5	42
114	LDA+Gutzwiller method for correlated electron systems. Europhysics Letters, 2008, 83, 37008.	0.7	41
115	Breakdown of three-dimensional Dirac semimetal state in pressurized Cd_3As_2 . Physical Review X, 2017, 7, .	1.1	41
116	Heavy Weyl Fermion State in $CeRu_4Sb_{12}$. Physical Review X, 2017, 7, .	1.8	38
117	Experimental evidence for orbital magnetic moments generated by moiré-scale current loops in twisted bilayer graphene. Physical Review B, 2020, 102, .	1.1	38
118	Antiferromagnetic Chern Insulators in Noncentrosymmetric Systems. Physical Review Letters, 2018, 120, 157205.	2.9	36
119	Phase Diagram of Na_xCoO_2 By Gutzwiller Density-Functional Theory. Physical Review Letters, 2008, 101, 066403.	0.7	35
120	Interaction-induced topological phase transition in the Bernevig-Hughes-Zhang model. Europhysics Letters, 2012, 98, 57001.	0.7	35
121	Density functional theory for atomic Fermi gases. Nature Physics, 2012, 8, 601-605.	6.5	35
122	Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked MoS_2 . Nano Letters, 2019, 19, 1736-1742.	4.5	35
123	Valence change of europium in $EuFe_2S_3$ compressed. Physical Review B, 2010, 82, .	1.1	33
124	Weyl fermions go into orbit. Nature Physics, 2016, 12, 727-728.	6.5	33
125	Pressure-induced topological phase transitions and strongly anisotropic magnetoresistance in bulk black phosphorus. Physical Review B, 2017, 95, .	1.1	33
126	Mean-field theory for the spin-ladder system. Physical Review B, 1998, 57, 964-969.	1.1	31

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127	Superconductivity of topological matters induced via pressure. <i>Frontiers of Physics</i> , 2012, 7, 193-199.	2.4	30
128	Hear the Sound of Weyl Fermions. <i>Physical Review X</i> , 2019, 9, .	2.8	29
129	Half-metallic surface states and topological superconductivity in NaCoO ₂ from first principles. <i>Physical Review B</i> , 2011, 84, .	1.1	28
130	Pressure-driven orbital selective insulator-to-metal transition and spin-state crossover in cubic CoO. <i>Physical Review B</i> , 2012, 85, .	1.1	28
131	Coherent nickel vacancy phonon and its ultrafast dynamics waning in topological Dirac semimetal Cd ₃ As ₂ . <i>Physical Review B</i> , 2017, 95, 041111.	1.1	28
132	Heisenberg spin-1 chain in a staggered magnetic field: A density-matrix-renormalization-group study. <i>Physical Review B</i> , 1999, 60, 52-55.	1.1	27
133	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies of CuCr ₂ Se ₄ xBr _x . <i>Physical Review B</i> , 2007, 75, .	1.1	27
134	Topologically Entangled Rashba-Split Shockley States on the Surface of Grey Arsenic. <i>Physical Review Letters</i> , 2017, 118, 046802.	2.9	27
135	Transverse electric current induced by optically injected spin current in a cross-shaped InGaAs/InAlAs system. <i>Applied Physics Letters</i> , 2006, 88, 162105.	1.5	25
136	Complete phase diagram for three-band Hubbard model with orbital degeneracy lifted by crystal field splitting. <i>Physical Review B</i> , 2012, 86, .	1.1	25
137	Determining the chirality of Weyl fermions from circular dichroism spectra in time-dependent angle-resolved photoemission. <i>Physical Review B</i> , 2016, 93, .	1.1	25
138	Metal-insulator transition in three-band Hubbard model with strong spin-orbit interaction. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	24
139	Spontaneous Formation of a Superconductor/Topological Insulator/Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016, 28, 5013-5017.	11.1	24
140	Strong-coupling solver for the quantum impurity model. <i>Physical Review B</i> , 2005, 72, .	1.1	23
141	Pole expansion of self-energy and interaction effect for topological insulators. <i>Physical Review B</i> , 2012, 85, .	1.1	23
142	The electronic structure of NaIrO ₃ , Mott insulator or band insulator?. <i>Europhysics Letters</i> , 2013, 101, 27003.	0.7	23
143	Orbital-dependent electronic masses in Ce heavy-fermion materials studied via Gutzwiller density-functional theory. <i>Physical Review B</i> , 2014, 89, .	1.1	23
144	High-pressure study on LaFeAs(O _{1-x} F _x) and LaFeAsO _{1-x} with different T _c . <i>Europhysics Letters</i> , 2008, 84, 67009.	0.7	22

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145	Model Hamiltonian for topological Kondo insulator SmB_6 . New Journal of Physics, 2015, 17, 023012.	1.2	22
146	Magnetotransport properties in a compensated semimetal gray arsenic. Physical Review B, 2017, 95, .	1.1	22
147	Frequency domain winding number and interaction effect on topological insulators. Physical Review B, 2011, 84, .	1.1	21
148	Theory for supersolid He_4 : Vacancy condensation facilitated by a low-energy bound state of a vacancy and an interstitial. Physical Review B, 2005, 72, .	1.1	20
149	Resonant Intrinsic Spin Hall Effect in p-Type GaAs Quantum Well Structure. Physical Review Letters, 2006, 96, 086802.	2.9	20
150	Electronic structure, Dirac points and Fermi arc surface states in three-dimensional Dirac semimetal Na_3Bi from angle-resolved photoemission spectroscopy. Chinese Physics B, 2016, 25, 077101.	0.7	20
151	Giant Magnetic Quantum Oscillations in the Thermal Conductivity of TaAs: Indications of Chiral Zero Sound. Physical Review X, 2019, 9, .	2.8	19
152	Topological metals induced by the Zeeman effect. Physical Review B, 2020, 101, .	1.1	19
153	Pressure-induced competition between superconductivity and Kondo effect in $\text{CeFeAsO}_{1-x}\text{F}_x$ ($x=0.16$ and 0.3). Europhysics Letters, 2010, 91, 57008.	0.7	18
154	Anomalous Magneto-Transport Behavior in Transition Metal Pentatelluride HfTe_5 . Chinese Physics Letters, 2017, 34, 037102.	1.3	18
155	Noncollinear Magnetic Structure and Multipolar Order in $\text{Eu}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2017, 119, 187203.	2.9	18
156	Correlation between superconductivity and antiferromagnetism in RbFe_2Se_2 . Physical Review B, 2017, 95, 040407.	1.1	17
157	Anomalous High-Energy Waterfall-Like Electronic Structure in 5 d Transition Metal Oxide Sr_2IrO_4 with a Strong Spin-Orbit Coupling. Scientific Reports, 2015, 5, 13036.	1.6	17
158	Electronic structure of transition metal dichalcogenides PdTe_2 and $\text{Cu}_0.05\text{PdTe}_2$ superconductors obtained by angle-resolved photoemission spectroscopy. Chinese Physics B, 2015, 24, 067401.	0.7	17
159	Thermodynamics of the $\text{Ce}^{\pm 1}$ in cerium studied by an LDA + Gutzwiller method. Physical Review B, 2015, 91, .	1.1	17
160	Magnetism of cold fermionic atoms on the p -band of an optical lattice. Physical Review A, 2008, 78, .	1.0	15
161	Intermediate-pressure phases of cerium studied by an LDA + Gutzwiller method. Physical Review B, 2011, 84, .	1.1	15
162	Light-induced Hall effect in semiconductors with spin-orbit coupling. Physical Review B, 2007, 76, .	1.1	14

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163	Photogalvanic in ultrathin film of topological insulator. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 895-899.	1.3	14
164	Spin-Polarized Nematic Order, Quantum Valley Hall States, and Field-Tunable Topological Transitions in Twisted Multilayer Graphene Systems. <i>Physical Review Letters</i> , 2022, 128, 026403.	2.9	14
165	Implementation of LDA+DMFT with the pseudo-potential-plane-wave method. <i>Chinese Physics B</i> , 2012, 21, 057106.	0.7	11
166	Spin conduction in anisotropic three-dimensional topological insulators. <i>Physical Review B</i> , 2012, 85, .	1.1	10
167	Instability of Dirac semimetal phase under a strong magnetic field. <i>Physical Review B</i> , 2017, 96, .	1.1	10
168	Topological properties and orbital magnetism in twisted graphene systems. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 147301.	0.2	10
169	Visualization of electronic topology in ZrSiSe by scanning tunneling microscopy. <i>Physical Review B</i> , 2018, 98, .	1.1	9
170	Fermi surface of underdoped high-T _c superconducting cuprates. <i>Physical Review B</i> , 1997, 56, 5583-5589.	1.1	8
171	Fast impurity solver based on Gutzwiller variational approach. <i>Physical Review B</i> , 2009, 79, .	1.1	8
172	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, .	1.1	8
173	A group family picture. <i>Nature Materials</i> , 2016, 15, 5-6.	13.3	8
174	A new member of the topological semimetals family. <i>National Science Review</i> , 2017, 4, 798-799.	4.6	8
175	Fermi Surface Evolution, Pseudogap, and Staggered Gauge Field Fluctuations in Underdoped Cuprates. <i>Physical Review Letters</i> , 1998, 81, 2136-2139.	2.9	7
176	Generation and detection of spin current in the three-terminal quantum dot. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 495304.	0.7	6
177	Acceleration of the Stochastic Analytic Continuation Method via an Orthogonal Polynomial Representation of the Spectral Function. <i>Chinese Physics Letters</i> , 2013, 30, 090201.	1.3	6
178	Pseudospin, real spin, and spin polarization of photoemitted electrons. <i>Physical Review B</i> , 2016, 94, .	1.1	6
179	Doping-driven orbital-selective Mott transition in multi-band Hubbard models with crystal field splitting. <i>Chinese Physics B</i> , 2016, 25, 037103.	0.7	6
180	Strong charge and spin fluctuations in La ₂ O ₃ Fe ₂ Se ₂ . <i>Physical Review B</i> , 2016, 94, .	1.1	6

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199	Differentiable programming and density matrix based Hartree-Fock method*. Chinese Physics B, 2021, 30, 060701.	0.7	1
200	Quantum coherence in a model of strongly correlated quantum dots. Physical Review B, 2005, 72, .	1.1	0
201	Spin current through an ESR quantum dot: A real-time study. Physical Review B, 2010, 81, .	1.1	0
202	Dynamical anomaly. Nature Physics, 2020, 16, 374-374.	6.5	0
203	RTGW2020: An efficient implementation of the multi-orbital Gutzwiller method with general local interactions. Computer Physics Communications, 2022, 276, 108348.	3.0	0