Xi Dai

List of Publications by Year
in descending order

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203 papers	49,767 citations	4641 85 h-index	2323 199 g-index
207 all docs	207 docs citations	207 times ranked	18844 citing authors

#	Article	IF	Citations
1	Spin-Polarized Nematic Order, Quantum Valley Hall States, and Field-Tunable Topological Transitions in Twisted Multilayer Graphene Systems. Physical Review Letters, 2022, 128, 026403.	2.9	14
2	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>O</mml:mi><mml:mo>(</mml:mo><mml:mi>N</mml:mi>	1.1	1
3	RTGW2020: An efficient implementation of the multi-orbital Gutzwiller method with general local interactions. Computer Physics Communications, 2022, 276, 108348.	3.0	0
4	Theories for the correlated insulating states and quantum anomalous Hall effect phenomena in twisted bilayer graphene. Physical Review B, 2021, 103, .	1.1	114
5	Orbital magnetic states in moirÃ© graphene systems. Nature Reviews Physics, 2021, 3, 367-382.	11.9	51
6	Differentiable programming and density matrix based Hartreeâ€“Fock method*. Chinese Physics B, 2021, 30, 060701.	0.7	1
7	Machine Learning Kinetic Energy Functional for a One-Dimensional Periodic System. Chinese Physics Letters, 2021, 38, 050701.	1.3	3
8	First Principle Calculation of the Effective Zeemanâ€™s Couplings in Topological Materials. , 2021, , 263-281.		6
9	40 years of the quantum Hall effect. Nature Reviews Physics, 2020, 2, 397-401.	11.9	84
10	Experimental evidence for orbital magnetic moments generated by moirÃ©-scale current loops in twisted bilayer graphene. Physical Review B, 2020, 102, .	1.1	38
11	Anomalous Hall effect, magneto-optical properties, and nonlinear optical properties of twisted graphene systems. Npj Computational Materials, 2020, 6, .	3.5	42
12	Topological metals induced by the Zeeman effect. Physical Review B, 2020, 101, .	1.1	19
13	Special topic on topological semimetalsâ€”New directions. APL Materials, 2020, 8, .	2.2	5
14	Dynamical anomaly. Nature Physics, 2020, 16, 374-374.	6.5	0
15	Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB6. Physical Review Letters, 2020, 124, 076403.	2.9	65
16	Strong and fragile topological Dirac semimetals with higher-order Fermi arcs. Nature Communications, 2020, 11, 627.	5.8	152
17	Topological properties and orbital magnetism in twisted graphene systems. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 147301.	0.2	10
18	Quantum Valley Hall Effect, Orbital Magnetism, and Anomalous Hall Effect in Twisted Multilayer Graphene Systems. Physical Review X, 2019, 9, .	2.8	136

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19	Higher-Order Topology of the Axion Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>EuIn</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:mrow></mml:math> Physical Review Letters, 2019, 122, 256402.	2.9	218
20	Charge density waves in a quantum plasma. Physical Review B, 2019, 100, .	1.1	2
21	Giant Magnetic Quantum Oscillations in the Thermal Conductivity of TaAs: Indications of Chiral Zero Sound. Physical Review X, 2019, 9, .	2.8	19
22	Hear the Sound of Weyl Fermions. Physical Review X, 2019, 9, .	2.8	29
23	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
24	Symmetry-enforced chiral hinge states and surface quantum anomalous Hall effect in the magnetic axion insulator Bi2â€“xSmxSe3. Nature Physics, 2019, 15, 577-581.	6.5	112
25	Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked MoS₂. Nano Letters, 2019, 19, 1736-1742.	4.5	35
26	Quantum Anomalous Vortex and Majorana Zero Mode in Iron-Based Superconductor Fe(Te,Se). Physical Review X, 2019, 9, .	2.8	44
27	CT-X: An efficient continuous-time quantum Monte Carlo impurity solver in the Kondo regime. Computer Physics Communications, 2019, 236, 135-152.	3.0	3
28	Antiferromagnetic Chern Insulators in Noncentrosymmetric Systems. Physical Review Letters, 2018, 120, 157205.	2.9	36
29	Three-component fermions with surface Fermi arcs in tungsten carbide. Nature Physics, 2018, 14, 349-354.	6.5	109
30	Recent Progress in the Study of Topological Semimetals. Journal of the Physical Society of Japan, 2018, 87, 041001.	0.7	118
31	Magnetic-field enhanced high-thermoelectric performance in topological Dirac semimetal Cd 3 As 2 crystal. Science Bulletin, 2018, 63, 411-418.	4.3	55
32	Topological Insulators versus Topological Dirac Semimetals in Honeycomb Compounds. Journal of the American Chemical Society, 2018, 140, 13687-13694.	6.6	42
33	Visualization of electronic topology in ZrSiSe by scanning tunneling microscopy. Physical Review B, 2018, 98, .	1.1	9
34	Magnetotransport properties in a compensated semimetal gray arsenic. Physical Review B, 2017, 95, .	1.1	22
35	Pressure-induced topological phase transitions and strongly anisotropic magnetoresistance in bulk black phosphorus. Physical Review B, 2017, 95, .	1.1	33
36	Topological nodal line semimetals in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CaP</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>family of materials. Physical Review B, 2017, 95, .	1.1	191

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37	Topologically Entangled Rashba-Split Shockley States on the Surface of Grey Arsenic. Physical Review Letters, 2017, 118, 046802.	2.9	27
38	Heavy Weyl Fermion State in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeRu</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2017, 7, .	12.8	38
39	Electronic evidence of temperature-induced Lifshitz transition and topological nature in ZrTe5. Nature Communications, 2017, 8, 15512.	5.8	190
40	Anomalous Magneto-Transport Behavior in Transition Metal Pentatelluride HfTe ₅. Chinese Physics Letters, 2017, 34, 037102.	1.3	18
41	Noncollinear Magnetic Structure and Multipolar Order in Eu2Ir2O7. Physical Review Letters, 2017, 119, 187203.	2.9	18
42	Coherent helix vacancy phonon and its ultrafast dynamics waning in topological Dirac semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	1.1	28
43	Instability of Dirac semimetal phase under a strong magnetic field. Physical Review B, 2017, 96, .	1.1	10
44	Implementation of LDA+Gutzwiller with Newtons method. Chinese Physics B, 2017, 26, 017103.	0.7	1
45	Topological nodal line semimetals predicted from first-principles calculations. Frontiers of Physics, 2017, 12, 1.	2.4	133
46	Lifshitz transition mediated electronic transport anomaly in bulk ZrTe₅. New Journal of Physics, 2017, 19, 015005.	1.2	68
47	A new member of the topological semimetals family. National Science Review, 2017, 4, 798-799.	4.6	8
48	Spontaneous Formation of a Superconductorâ€“Topological Insulatorâ€“Normal Metal Layered Heterostructure. Advanced Materials, 2016, 28, 5013-5017.	11.1	24
49	Giant semiclassical magnetoresistance in high mobility TaAs2 semimetal. Applied Physics Letters, 2016, 108, 042105.	1.5	67
50	Observation of Fermi arc and its connection with bulk states in the candidate type-II Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2016, 94, .	1.1	182
51	Detecting the chiral magnetic effect by lattice dynamics in Weyl semimetals. Physical Review B, 2016, 94, .	1.1	48
52	Coexistence of Weyl fermion and massless triply degenerate nodal points. Physical Review B, 2016, 94, .	1.1	169
53	Weyl fermions go into orbit. Nature Physics, 2016, 12, 727-728.	6.5	33
54	Pseudospin, real spin, and spin polarization of photoemitted electrons. Physical Review B, 2016, 94, .	1.1	6

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55	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: A Type-II Weyl Topological Metal. Physical Review Letters, 2016, 117, 056805.	2.9	651
56	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. Nature Communications, 2016, 7, 11006.	5.8	264
57	Hybrid Weyl semimetal. Physical Review B, 2016, 94, .	1.1	49
58	Electronic structure, Dirac points and Fermi arc surface states in three-dimensional Dirac semimetal Na ₃ Bi from angle-resolved photoemission spectroscopy. Chinese Physics B, 2016, 25, 077101.	0.7	20
59	Determining the chirality of Weyl fermions from circular dichroism spectra in time-dependent angle-resolved photoemission. Physical Review B, 2016, 93, .	1.1	25
60	Topological semimetals with triply degenerate nodal points in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î¸</mml:mi></mml:math>-phase tantalum nitride. Physical Review B, 2016, 93, .	1.1	242
61	Evidence for Topological Edge States in a Large Energy Gap near the Step Edges on the Surface of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2016, 6, .	2.8	105
62	Doping-driven orbital-selective Mott transition in multi-band Hubbard models with crystal field splitting. Chinese Physics B, 2016, 25, 037103.	0.7	6
63	Topological nodal line semimetals. Chinese Physics B, 2016, 25, 117106.	0.7	589
64	Strong charge and spin fluctuations inLa2O3Fe2Se2. Physical Review B, 2016, 94, .	1.1	6
65	Topological semimetals predicted from first-principles calculations. Journal of Physics Condensed Matter, 2016, 28, 303001.	0.7	286
66	A group family picture. Nature Materials, 2016, 15, 5-6.	13.3	8
67	Interaction-induced quantum anomalous Hall phase in (111) bilayer of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaCoO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>	11	47
68	Breakdown of three-dimensional Dirac semimetal state in pressurized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	1.1	41
69	Topological node-line semimetal in three-dimensional graphene networks. Physical Review B, 2015, 92, .	1.1	619
70	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. Physical Review B, 2015, 92, .	1.1	229
71	Topological nature of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>FeSe</mml:mi><mml:mrow><mml:mn>0.</mml:mn> Physical Review B, 2015, 92, .	1.1	221
72	Two-dimensional oxide topological insulator with iron-pnictide superconductor LiFeAs structure. Physical Review B, 2015, 92, .	1.1	150

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73	Topological Node-Line Semimetal and Dirac Semimetal State in Antiperovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review Letters, 2015, 115, 036807.	2.9	663
74	Observation of Fermi-Arc Spin Texture in TaAs. Physical Review Letters, 2015, 115, 217601.	2.9	115
75	Observation of the Chiral-Anomaly-Induced Negative Magnetoresistance in 3D Weyl Semimetal TaAs. Physical Review X, 2015, 5, .	2.8	996
76	Thermodynamics of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€“</mml:mtext><mml:mi>Î³</ in cerium studied by an LDA + Gutzwiller method. Physical Review B, 2015, 91, .	1.1	16
77	Evidence for Half-Metallicity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-type<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>HgCr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2015, 115, 087002.	2.9	62
78	Experimental Discovery of Weyl Semimetal TaAs. Physical Review X, 2015, 5, .	2.8	1,506
79	Anomalous High-Energy Waterfall-Like Electronic Structure in 5 d Transition Metal Oxide Sr2IrO4 with a Strong Spin-Orbit Coupling. Scientific Reports, 2015, 5, 13036.	1.6	17
80	Large linear magnetoresistance in Dirac semimetal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cd</mml:mi><mml:mn>3</mml:mn></ Fermi surfaces close to the Dirac points. Physical Review B, 2015, 92, .	1.1	190
81	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si56.gif" display="inline" overflow="scroll"><mml:mi>i</mml:mi><mml:mstyle mathvariant="normal"><mml:mi>QIST</mml:mi></mml:mstyle></mml:math>: An open source continuous-time quantum Monte Carlo impurity solver toolkit. Computer Physics Communications, 2015, 195, 149-160.	3.0	51
82	Weyl Semimetal Phase in Noncentrosymmetric Transition-Metal Monophosphides. Physical Review X, 2015, 5, .	2.8	1,242
83	Model Hamiltonian for topological Kondo insulator SmB₆. New Journal of Physics, 2015, 17, 023012.	1.2	22
84	Electronic structure of transition metal dichalcogenides PdTe ₂ and Cu _{0.05} PdTe ₂ superconductors obtained by angle-resolved photoemission spectroscopy. Chinese Physics B, 2015, 24, 067401.	0.7	17
85	Surface State Bands in Superconducting (Pt _x Ir _{1â€“x})Te ₂. Chinese Physics Letters, 2015, 32, 077402.	1.3	2
86	Identification of Topological Surface State in PdTe ₂ Superconductor by Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2015, 32, 067303.	1.3	57
87	Quantum anomalous Hall effect and related topological electronic states. Advances in Physics, 2015, 64, 227-282.	35.9	374
88	Landau level splitting in Cd3As2 under high magnetic fields. Nature Communications, 2015, 6, 7779.	5.8	126
89	Observation of Weyl nodes in TaAs. Nature Physics, 2015, 11, 724-727.	6.5	867
90	Type-II Weyl semimetals. Nature, 2015, 527, 495-498.	13.7	1,977

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91	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
92	Wilson-loop characterization of inversion-symmetric topological insulators. Physical Review B, 2014, 89, .	1.1	283
93	A stable three-dimensional topological Dirac semimetal Cd3As2. Nature Materials, 2014, 13, 677-681.	13.3	1,242
94	Topological Crystalline Kondo Insulator in Mixed Valence Ytterbium Borides. Physical Review Letters, 2014, 112, 016403.	2.9	148
95	Discovery of a Three-Dimensional Topological Dirac Semimetal, Na ₃ Bi. Science, 2014, 343, 864-867.	6.0	1,889
96	Time-reversal-invariant topological superconductivity in doped Weyl semimetals. Physical Review B, 2014, 90, .	1.1	106
97	Exploration and prediction of topological electronic materials based on first-principles calculations. MRS Bulletin, 2014, 39, 849-858.	1.7	80
98	Transition-Metal Pentatelluride<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>ZrTe</mml:mi><mml:msub><mml:mrow /><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>HfTe</mml:mi><mml:msub><mml:mrow /><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: A Paradigm	2.8	237
99	Direct observation of the spin texture in SmB6 as evidence of the topological Kondo insulator. Nature Communications, 2014, 5, 4566.	5.8	193
100	Orbital-dependent electronic masses in Ce heavy-fermion materials studied via Gutzwiller density-functional theory. Physical Review B, 2014, 89, .	1.1	23
101	Strong Anisotropy of Dirac Cones in SrMnBi2 and CaMnBi2 Revealed by Angle-Resolved Photoemission Spectroscopy. Scientific Reports, 2014, 4, 5385.	1.6	105
102	Evidence of Topological Surface State in Three-Dimensional Dirac Semimetal Cd3As2. Scientific Reports, 2014, 4, 6106.	1.6	159
103	Parallel field magnetoresistance in topological insulator thin films. Physical Review B, 2013, 88, .	1.1	63
104	The electronic structure of NaIrO 3 , Mott insulator or band insulator?. Europhysics Letters, 2013, 101, 27003.	0.7	23
105	Metal-insulator transition in three-band Hubbard model with strong spin-orbit interaction. European Physical Journal B, 2013, 86, 1.	0.6	24
106	Three-dimensional Dirac semimetal and quantum transport in Cd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	1.1	1,357
107	Correlated Topological Insulators with Mixed Valence. Physical Review Letters, 2013, 110, 096401.	2.9	293
108	Persistent high-energy spin excitations in iron-pnictide superconductors. Nature Communications, 2013, 4, 1470.	5.8	101

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109	Thin Films of Magnetically Doped Topological Insulator with Carrierâ€Independent Longâ€Range Ferromagnetic Order. Advanced Materials, 2013, 25, 1065-1070.	11.1	246
110	Experimental Observation of the Quantum Anomalous Hall Effect in a Magnetic Topological Insulator. Science, 2013, 340, 167-170.	6.0	2,821
111	Acceleration of the Stochastic Analytic Continuation Method via an Orthogonal Polynomial Representation of the Spectral Function. Chinese Physics Letters, 2013, 30, 090201.	1.3	6
112	Topological Charge Pumping in a One-Dimensional Optical Lattice. Physical Review Letters, 2013, 111, 026802.	2.9	142
113	LOCAL ENTANGLEMENT ENTROPY AT THE MOTT METAL-INSULATOR TRANSITION IN INFINITE DIMENSIONS. Modern Physics Letters B, 2013, 27, 1350034.	1.0	3
114	Spin waves in the block checkerboard antiferromagnetic phase. Chinese Physics B, 2012, 21, 027502.	0.7	5
115	Effect of Cleaving Temperature on the Surface and Bulk Fermi Surface of Sr 2 RuO 4 Investigated by High Resolution Angle-Resolved Photoemission. Chinese Physics Letters, 2012, 29, 067401.	1.3	3
116	Orbital characters determined from Fermi surface intensity patterns using angle-resolved photoemission spectroscopy. Physical Review B, 2012, 85, .	1.1	48
117	Isotropic superconducting gaps with enhanced pairing on electron Fermi surfaces in FeTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.55</mml:mn></mml:mrow></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.45</mml:mn></mml:mrow></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	129
118	Fermi surface sheet-dependent band splitting in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>RuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math> revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 85, .	1.1	8
119	Fermi surface and van Hove singularities in the itinerant metamagnetic superconductor CeCoIn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:math> revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2012, 85, .	1.1	17
120	Pole expansion of self-energy and interaction effect for topological insulators. Physical Review B, 2012, 85, .	1.1	23
121	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
122	Interaction-induced topological phase transition in the Bernevig-Hughes-Zhang model. Europhysics Letters, 2012, 98, 57001.	0.7	35
123	Efficient implementation of the Gutzwiller variational method. Physical Review B, 2012, 85, .	1.1	66
124	Complete phase diagram for three-band Hubbard model with orbital degeneracy lifted by crystal field splitting. Physical Review B, 2012, 86, .	1.1	25
125	Pressure-Driven Quantum Criticality in Iron-Selenide Superconductors. Physical Review Letters, 2012, 108, 197001.	2.9	54
126	Crossover between Weak Antilocalization and Weak Localization in a Magnetically Doped Topological Insulator. Physical Review Letters, 2012, 108, 036805.	2.9	295

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127	Pressure-driven orbital selective insulator-to-metal transition and spin-state crossover in cubic CoO. Physical Review B, 2012, 85, .	1.1	28
128	Multi-Weyl Topological Semimetals Stabilized by Point Group Symmetry. Physical Review Letters, 2012, 108, 266802.	2.9	545
129	Implementation of LDA+DMFT with the pseudo-potential-plane-wave method. Chinese Physics B, 2012, 21, 057106.	0.7	11
130	Density functional theory for atomic Fermi gases. Nature Physics, 2012, 8, 601-605.	6.5	35
131	Introduction to Topological Insulators. Asia-Pacific Physics Newsletter, 2012, 01, 31-36.	0.0	2
132	Re-emerging superconductivity at 48â€‰kelvin in iron chalcogenides. Nature, 2012, 483, 67-69.	13.7	294
133	Spin conduction in anisotropic three-dimensional topological insulators. Physical Review B, 2012, 85, .	1.1	10
134	Dirac semimetal and topological phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>A</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Bi (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (display="inline"><mml	1.1	1,529
135	Superconductivity of topological matters induced via pressure. Frontiers of Physics, 2012, 7, 193-199.	2.4	30
136	Photogalvanic in ultrathin film of topological insulator. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 895-899.	1.3	14
137	The mechanism of anisotropic exchange interaction in superconducting iron arsenides. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1759-1761.	0.9	2
138	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
139	Half-metallic surface states and topological superconductivity in NaCoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>from first principles. Physical Review B, 2011, 84, .	1.1	28
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