

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1447541/h-m-weng-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187 papers	19,082 citations	56 h-index	137 g-index
208 ext. papers	23,375 ext. citations	7.2 avg, IF	6.99 L-index

#	Paper	IF	Citations
187	Discovery of a three-dimensional topological Dirac semimetal, Na ₃ Bi. <i>Science</i> , 2014 , 343, 864-7	33.3	1516
186	Dirac semimetal and topological phase transitions in A ₃ Bi (A=Na, K, Rb). <i>Physical Review B</i> , 2012 , 85,	3.3	1244
185	Experimental Discovery of Weyl Semimetal TaAs. <i>Physical Review X</i> , 2015 , 5,	9.1	1167
184	Three-dimensional Dirac semimetal and quantum transport in Cd ₃ As ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	1094
183	A stable three-dimensional topological Dirac semimetal Cd ₃ As ₂ . <i>Nature Materials</i> , 2014 , 13, 677-81	27	1010
182	Weyl Semimetal Phase in Noncentrosymmetric Transition-Metal Monophosphides. <i>Physical Review X</i> , 2015 , 5,	9.1	968
181	Chern semimetal and the quantized anomalous Hall effect in HgCr ₂ Se ₄ . <i>Physical Review Letters</i> , 2011 , 107, 186806	7.4	960
180	Observation of the Chiral-Anomaly-Induced Negative Magnetoresistance in 3D Weyl Semimetal TaAs. <i>Physical Review X</i> , 2015 , 5,	9.1	752
179	Observation of Weyl nodes in TaAs. <i>Nature Physics</i> , 2015 , 11, 724-727	16.2	683
178	Topological Node-Line Semimetal and Dirac Semimetal State in Antiperovskite Cu ₃ PdN. <i>Physical Review Letters</i> , 2015 , 115, 036807	7.4	524
177	Topological node-line semimetal in three-dimensional graphene networks. <i>Physical Review B</i> , 2015 , 92,	3.3	488
176	Topological nodal line semimetals. <i>Chinese Physics B</i> , 2016 , 25, 117106	1.2	358
175	Catalogue of topological electronic materials. <i>Nature</i> , 2019 , 566, 475-479	50.4	354
174	Quantum anomalous Hall effect and related topological electronic states. <i>Advances in Physics</i> , 2015 , 64, 227-282	18.4	251
173	Correlated topological insulators with mixed valence. <i>Physical Review Letters</i> , 2013 , 110, 096401	7.4	245
172	Large intrinsic anomalous Hall effect in half-metallic ferromagnet CoSnS with magnetic Weyl fermions. <i>Nature Communications</i> , 2018 , 9, 3681	17.4	240
171	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

170	Observation of three-component fermions in the topological semimetal molybdenum phosphide. <i>Nature</i> , 2017 , 546, 627-631	50.4	231
169	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. <i>Nature Communications</i> , 2016 , 7, 11006	17.4	224
168	Topological semimetals predicted from first-principles calculations. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 303001	1.8	202
167	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
166	Topological semimetals with triply degenerate nodal points in \mathbb{F} phase tantalum nitride. <i>Physical Review B</i> , 2016 , 93,	3.3	187
165	Large-gap two-dimensional topological insulator in oxygen functionalized MXene. <i>Physical Review B</i> , 2015 , 92,	3.3	169
164	Node-surface and node-line fermions from nonsymmorphic lattice symmetries. <i>Physical Review B</i> , 2016 , 93,	3.3	167
163	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
162	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
161	Topological aspect and quantum magnetoresistance of BiAg ₂ Te. <i>Physical Review Letters</i> , 2011 , 106, 156804	17.4	155
160	Electronic structure and optical properties of the Co-doped anatase TiO ₂ studied from first principles. <i>Physical Review B</i> , 2004 , 69,	3.3	154
159	Topological nodal line semimetals in the CaP ₃ family of materials. <i>Physical Review B</i> , 2017 , 95,	3.3	142
158	Coexistence of Weyl fermion and massless triply degenerate nodal points. <i>Physical Review B</i> , 2016 , 94,	3.3	140
157	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
156	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
155	Electronic evidence of temperature-induced Lifshitz transition and topological nature in ZrTe ₅ . <i>Nature Communications</i> , 2017 , 8, 15512	17.4	131
154	Observation of unconventional chiral fermions with long Fermi arcs in CoSi. <i>Nature</i> , 2019 , 567, 496-499	50.4	129
153	Body-Centered Orthorhombic C ₁₆ : A Novel Topological Node-Line Semimetal. <i>Physical Review Letters</i> , 2016 , 116, 195501	7.4	129

- 152 Topological nature of the FeSe_{0.5}Te_{0.5} superconductor. *Physical Review B*, **2015**, 92, 3-3 129
- 151 Double-Weyl Phonons in Transition-Metal Monosilicides. *Physical Review Letters*, **2018**, 120, 016401 7-4 124
- 150 Topological crystalline Kondo insulator in mixed valence ytterbium borides. *Physical Review Letters*, **2014**, 112, 016403 7-4 123
- 149 Two-dimensional oxide topological insulator with iron-pnictide superconductor LiFeAs structure. *Physical Review B*, **2015**, 92, 3-3 120
- 148 Superconductivity in topological insulator Sb₂Te₃ induced by pressure. *Scientific Reports*, **2013**, 3, 2016 4-9 113
- 147 Dual spin filter effect in a zigzag graphene nanoribbon. *Physical Review B*, **2010**, 81, 3-3 109
- 146 Compensated Semimetal LaSb with Unsaturated Magnetoresistance. *Physical Review Letters*, **2016**, 117, 127204 7-4 104
- 145 From Nodal Chain Semimetal to Weyl Semimetal in HfC. *Physical Review Letters*, **2017**, 119, 036401 7-4 99
- 144 Dirac Surface States in Intrinsic Magnetic Topological Insulators EuSn₂As₂ and MnBi₂nTe_{3n+1}. *Physical Review X*, **2019**, 9, 9-1 99
- 143 Topological nodal line semimetals predicted from first-principles calculations. *Frontiers of Physics*, **2017**, 12, 1 3-7 91
- 142 Higher-Order Topology of the Axion Insulator EuIn₂As₂. *Physical Review Letters*, **2019**, 122, 256402 7-4 90
- 141 Topological node-line semimetal in compressed black phosphorus. *Physical Review B*, **2016**, 94, 3-3 89
- 140 Observation of Fermi-Arc Spin Texture in TaAs. *Physical Review Letters*, **2015**, 115, 217601 7-4 89
- 139 Evidence for Topological Edge States in a Large Energy Gap near the Step Edges on the Surface of ZrTe₅. *Physical Review X*, **2016**, 6, 9-1 82
- 138 Experimental evidence of hourglass fermion in the candidate nonsymmorphic topological insulator KHgSb. *Science Advances*, **2017**, 3, e1602415 14-3 78
- 137 Quantum spin Hall effect in two-dimensional transition-metal dichalcogenide haeckelites. *Physical Review B*, **2015**, 91, 3-3 75
- 136 Three-component fermions with surface Fermi arcs in tungsten carbide. *Nature Physics*, **2018**, 14, 349-354 6-2 75
- 135 Recent Progress in the Study of Topological Semimetals. *Journal of the Physical Society of Japan*, **2018**, 87, 041001 1-5 69

134	Topological Nodal-Net Semimetal in a Graphene Network Structure. <i>Physical Review Letters</i> , 2018 , 120, 026402	7.4	68
133	Exploration and prediction of topological electronic materials based on first-principles calculations. <i>MRS Bulletin</i> , 2014 , 39, 849-858	3.2	65
132	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
131	Topological Nodal States in Circuit Lattice. <i>Research</i> , 2018 , 2018, 6793752	7.8	56
130	Giant semiclassical magnetoresistance in high mobility TaAs ₂ semimetal. <i>Applied Physics Letters</i> , 2016 , 108, 042105	3.4	56
129	Revisiting magnetic coupling in transition-metal-benzene complexes with maximally localized Wannier functions. <i>Physical Review B</i> , 2009 , 79,	3.3	54
128	Dirac nodal surfaces and nodal lines in ZrSiS. <i>Science Advances</i> , 2019 , 5, eaau6459	14.3	53
127	Evidence for Half-Metallicity in n-type HgCr ₂ Se ₄ . <i>Physical Review Letters</i> , 2015 , 115, 087002	7.4	52
126	Electronic structure of the delafossite-type CuMO ₂ (M = Sc, Cr, Mn, Fe, and Co): Optical absorption measurements and first-principles calculations. <i>Physical Review B</i> , 2011 , 84,	3.3	52
125	First-principles investigation of transition-metal-doped group-IV semiconductors: R _x Y _{1-x} (R=Cr,Mn,Fe;Y=Si,Ge). <i>Physical Review B</i> , 2005 , 71,	3.3	52
124	Emergence of topological bands on the surface of ZrSnTe crystal. <i>Physical Review B</i> , 2016 , 93,	3.3	50
123	Theoretical prediction of two-dimensional functionalized MXene nitrides as topological insulators. <i>Physical Review B</i> , 2017 , 96,	3.3	50
122	d Orbital Topological Insulator and Semimetal in the Antifluorite CuS Family: Contrasting Spin Helicities, Nodal Box, and Hybrid Surface States. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3506-3511	6.4	48
121	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
120	Chiral terahertz wave emission from the Weyl semimetal TaAs. <i>Nature Communications</i> , 2020 , 11, 720	17.4	47
119	First-principles study of the rectifying properties of Pt/TiO ₂ interface. <i>Physical Review B</i> , 2009 , 80,	3.3	47
118	Band structure of MgB ₂ with different lattice constants. <i>Physical Review B</i> , 2001 , 65,	3.3	47
117	Predicted Quantum Topological Hall Effect and Noncoplanar Antiferromagnetism in K _{0.5} RhO ₂ . <i>Physical Review Letters</i> , 2016 , 116, 256601	7.4	44

116	First principles investigation of the magnetic circular dichroism spectra of Co-doped anatase and rutile TiO ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	40
115	Orthorhombic carbon oC24: A novel topological nodal line semimetal. <i>Carbon</i> , 2018 , 133, 39-43	10.4	35
114	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
113	Ferromagnetism in HfO ₂ induced by hole doping: First-principles calculations. <i>Physical Review B</i> , 2006 , 73,	3.3	32
112	Conetronics in 2D metal-organic frameworks: double/half Dirac cones and quantum anomalous Hall effect. <i>2D Materials</i> , 2017 , 4, 015015	5.9	31
111	Theoretical Analysis of Magnetic Coupling in Sandwich Clusters V _n (C ₆ H ₆) _{n+1} . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 014301	1.5	31
110	Heavy Weyl Fermion State in CeRu ₄ Sn ₆ . <i>Physical Review X</i> , 2017 , 7,	9.1	30
109	Electronic structure and optical properties of layered perovskites Sr ₂ MO ₄ (M=Ti, V, Cr, and Mn): An ab initio study. <i>Physical Review B</i> , 2006 , 74,	3.3	30
108	Topological nodal-line semimetals in ferromagnetic rare-earth-metal monohalides. <i>Physical Review B</i> , 2019 , 99,	3.3	30
107	Superconductivity of topological matters induced via pressure. <i>Frontiers of Physics</i> , 2012 , 7, 193-199	3.7	27
106	Half-metallic surface states and topological superconductivity in NaCoO ₂ from first principles. <i>Physical Review B</i> , 2011 , 84,	3.3	27
105	Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB ₆ . <i>Physical Review Letters</i> , 2020 , 124, 076403	7.4	25
104	Topological phase transition in the layered magnetic compound MnSb ₂ Te ₄ : Spin-orbit coupling and interlayer coupling dependence. <i>Physical Review B</i> , 2020 , 102,	3.3	25
103	Pressure-induced topological phase transitions and strongly anisotropic magnetoresistance in bulk black phosphorus. <i>Physical Review B</i> , 2017 , 95,	3.3	24
102	A Wide-Range Photosensitive Weyl Semimetal Single Crystal-TaAs. <i>Advanced Materials</i> , 2018 , 30, e1801372	3.7	24
101	Magnetization-Induced Band Shift in Ferromagnetic Weyl Semimetal Co ₃ Sn ₂ S ₂ . <i>Physical Review Letters</i> , 2020 , 124, 077403	7.4	22
100	Facet Engineering to Regulate Surface States of Topological Crystalline Insulator Bismuth Rhombic Dodecahedrons for Highly Energy Efficient Electrochemical CO Reduction. <i>Advanced Materials</i> , 2021 , 33, e2008373	24	22
99	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016 , 28, 5013-7	24	22

98	Topological phase transitions driven by strain in monolayer tellurium. <i>Physical Review B</i> , 2018 , 98,	3.3	22
97	Two-dimensional spin-valley-coupled Dirac semimetals in functionalized SbAs monolayers. <i>Materials Horizons</i> , 2019 , 6, 781-787	14.4	21
96	Electronic structures and topological properties in nickelates NiO. <i>National Science Review</i> , 2021 , 8, nwaab2.18	2.8	21
95	Topologically Entangled Rashba-Split Shockley States on the Surface of Grey Arsenic. <i>Physical Review Letters</i> , 2017 , 118, 046802	7.4	20
94	The electronic structure of NaIrO ₃ , Mott insulator or band insulator?. <i>Europhysics Letters</i> , 2013 , 101, 27003	1.6	20
93	Non-Abelian reciprocal braiding of Weyl points and its manifestation in ZrTe. <i>Nature Physics</i> , 2020 , 16, 1137-1143	16.2	20
92	Phononic Helical Nodal Lines with PT Protection in MoB ₂ . <i>Physical Review Letters</i> , 2019 , 123, 245302	7.4	20
91	Model Hamiltonian for topological Kondo insulator SmB ₆ . <i>New Journal of Physics</i> , 2015 , 17, 023012	2.9	19
90	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
89	First-Principles Study on Cubic Pyrochlore Iridates Y ₂ Ir ₂ O ₇ and Pr ₂ Ir ₂ O ₇ . <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 073703	1.5	19
88	Magnetic ordering and multiferroicity in MnI ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	19
87	Optical properties of 4 [single-walled carbon nanotubes inside the zeolite channels studied from first principles calculations. <i>European Physical Journal B</i> , 2003 , 32, 345-350	1.2	19
86	Sub-picosecond photo-induced displacive phase transition in two-dimensional MoTe ₂ . <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	18
85	Phase diagram of LaVO ₃ under epitaxial strain: Implications for thin films grown on SrTiO ₃ and LaAlO ₃ substrates. <i>Physical Review B</i> , 2010 , 82,	3.3	17
84	Chiral fermion reversal in chiral crystals. <i>Nature Communications</i> , 2019 , 10, 5505	17.4	17
83	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
82	Optical spectroscopy study of Nd(O,F)BiS ₂ single crystals. <i>Physical Review B</i> , 2014 , 90,	3.3	16
81	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

80	Quasiparticle interference evidence of the topological Fermi arc states in chiral fermionic semimetal CoSi. <i>Science Advances</i> , 2019 , 5, eaaw9485	14.3	15
79	Emergence of Nontrivial Low-Energy Dirac Fermions in Antiferromagnetic EuCd As. <i>Advanced Materials</i> , 2020 , 32, e1907565	24	14
78	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
77	Magneto-optical Kerr effects of half-metallic ferromagnetic transition metal chalcogenides in zinc-blende and wurtzite structures. <i>Physical Review B</i> , 2006 , 74,	3.3	14
76	Anomalous Magneto-Transport Behavior in Transition Metal Pentatelluride HfTe ₅ . <i>Chinese Physics Letters</i> , 2017 , 34, 037102	1.8	13
75	Electronic structure of SrSnAs near the topological critical point. <i>Scientific Reports</i> , 2017 , 7, 6133	4.9	13
74	Observation and control of the weak topological insulator state in ZrTe. <i>Nature Communications</i> , 2021 , 12, 406	17.4	13
73	Experimental evidence of anomalously large superconducting gap on topological surface state of EBi ₂ Pd film. <i>Science Bulletin</i> , 2019 , 64, 1215-1221	10.6	12
72	Robust Dirac point in honeycomb-structure nanoribbons with zigzag edges. <i>Physical Review B</i> , 2010 , 81,	3.3	12
71	Three-Dimensional Crystalline Modification of Graphene in all-sp Hexagonal Lattices with or without Topological Nodal Lines. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2515-2521	6.4	11
70	Lighting up Weyl semimetals. <i>Nature Materials</i> , 2019 , 18, 428-429	27	10
69	Interaction-driven quantum anomalous Hall effect in halogenated hematite nanosheets. <i>Physical Review B</i> , 2017 , 96,	3.3	10
68	Tailoring Magnetic Properties in Transition Metal-Benzene Sandwich Clusters: Ways to Design Molecular Magnets. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 064301	1.5	10
67	Spin-orbit interaction in Au structures of various dimensionalities. <i>Applied Physics Letters</i> , 2008 , 92, 023115	13.5	10
66	Superconductivity induced at a point contact on the topological semimetal tungsten carbide. <i>Physical Review B</i> , 2019 , 100,	3.3	10
65	Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	10
64	Noncollinear Magnetic Structure and Multipolar Order in Eu ₂ Ir ₂ O ₇ . <i>Physical Review Letters</i> , 2017 , 119, 187203	7.4	9
63	Superconductivity and Fermi-surface nesting in the candidate Dirac semimetal NbC. <i>Physical Review B</i> , 2020 , 102,	3.3	9

62	Diagnosis scheme for topological degeneracies crossing high-symmetry lines. <i>Physical Review Research</i> , 2020 , 2,	3.9	9
61	A combinatory ferroelectric compound bridging simple ABO and A-site-ordered quadruple perovskite. <i>Nature Communications</i> , 2021 , 12, 747	17.4	9
60	Predicting Dirac semimetals based on sodium ternary compounds. <i>Npj Computational Materials</i> , 2018 , 4,	10.9	9
59	Topological semimetal in an sp^2p^3 hybridized carbon network with nodal rings. <i>Physical Review B</i> , 2020 , 101,	3.3	8
58	Topological metals induced by the Zeeman effect. <i>Physical Review B</i> , 2020 , 101,	3.3	8
57	Topological nodal lines and hybrid Weyl nodes in YCoC2. <i>APL Materials</i> , 2019 , 7, 101109	5.7	8
56	Fermi surface sheet-dependent band splitting in Sr2RuO4 revealed by high-resolution angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2012 , 86,	3.3	8
55	Magnetic circular dichroism spectra in a II-VI diluted magnetic semiconductor Zn1-xCr _x Te: First-principles calculations. <i>Physical Review B</i> , 2006 , 74,	3.3	8
54	Application of topological quantum chemistry in electrides. <i>Physical Review B</i> , 2021 , 103,	3.3	8
53	Multi-loop node line states in ternary MgSrSi-type crystals. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	7
52	Insight of the Influence of Magnetic-Field Direction on Magneto-Plasmonic Interfaces for Tuning Photocatalytical Performance of Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9931-9937	6.4	7
51	Superconductivity in Topological Semimetal δ -TaN at High Pressure*. <i>Chinese Physics Letters</i> , 2019 , 36, 087401	1.8	7
50	Topological electronic states in HfRuP family superconductors. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	7
49	Topological nodal line semimetals in graphene network structures. <i>Advances in Physics: X</i> , 2019 , 4, 1625734	3.4	6
48	Topological phases in pyrochlore thallium niobate Tl2Nb2O6+x. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	6
47	Nonlinear optical susceptibility of deformed achiral carbon nanotubes studied from first-principles calculations. <i>Applied Physics Letters</i> , 2006 , 89, 013102	3.4	6
46	Topological crystalline insulators with C2 rotation anomaly. <i>Physical Review Research</i> , 2019 , 1,	3.9	6
45	Atomically Resolved Edge States on a Layered Ferroelectric Oxide. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4150-4154	9.5	6

44	Topological electronic structure in the antiferromagnet HoSbTe. <i>Physical Review B</i> , 2020 , 102,	3.3	6
43	High-throughput screening for Weyl semimetals with S4 symmetry. <i>Science Bulletin</i> , 2021 , 66, 667-675	10.6	6
42	Anisotropic magnetoelastic response in the magnetic Weyl semimetal Co3Sn2S2. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	6
41	Weyl semimetals with S4 symmetry. <i>Physical Review B</i> , 2020 , 101,	3.3	5
40	A new member of the topological semimetals family. <i>National Science Review</i> , 2017 , 4, 798-799	10.8	5
39	Pressure effect on the anomalous Hall effect of ferromagnetic Weyl semimetal Co3Sn2S2. <i>Physical Review Materials</i> , 2020 , 4,	3.2	5
38	Magnetic and electronic properties of a topological nodal line semimetal candidate: HoSbTe. <i>Physical Review Materials</i> , 2020 , 4,	3.2	5
37	Pseudospin, real spin, and spin polarization of photoemitted electrons. <i>Physical Review B</i> , 2016 , 94,	3.3	5
36	Quantum oscillations and electronic structure in the large-Chern number semimetal RhSn. <i>Physical Review B</i> , 2019 , 100,	3.3	5
35	Giant nonlinear Hall effect in twisted bilayer WTe2. <i>Npj Quantum Materials</i> , 2021 , 6,	5	5
34	Realization of low-energy type-II Dirac fermions in (Ir 1-x Pt x)Te 2 superconductors. <i>Chinese Physics B</i> , 2019 , 28, 037103	1.2	4
33	Quantum Oscillations and Electronic Structure in the Large-Chern-Number Topological Chiral Semimetal PtGa. <i>Chinese Physics Letters</i> , 2020 , 37, 107504	1.8	4
32	Layer construction of topological crystalline insulator LaSbTe. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	4
31	Progress, Advantages, and Challenges of Topological Material Catalysts. <i>Small Science</i> , 2100106		4
30	Unconventional Materials: the mismatch between electronic charge centers and atomic positions. <i>Science Bulletin</i> , 2022 ,	10.6	4
29	Spectroscopic evidence for the realization of a genuine topological nodal-line semimetal in LaSbTe. <i>Physical Review B</i> , 2021 , 103,	3.3	4
28	Effect of Cleaving Temperature on the Surface and Bulk Fermi Surface of Sr 2 RuO 4 Investigated by High Resolution Angle-Resolved Photoemission. <i>Chinese Physics Letters</i> , 2012 , 29, 067401	1.8	3
27	Evolution of magnetic circular dichroism of pure ZnTe in magnetic field: Spectral similarity between undoped and Cr-doped ZnTe. <i>Physical Review B</i> , 2008 , 77,	3.3	3

26	Electronic structure and symmetry of small clusters C28. <i>Computational and Theoretical Chemistry</i> , 2004 , 671, 93-95		3
25	Electronic structure and linear optical properties of SrCuOCl studied from the first principles calculation. <i>European Physical Journal B</i> , 2003 , 35, 217-221	1.2	3
24	Crystal and electronic structure of GaTa_4Se_8 from first-principles calculations. <i>Physical Review B</i> , 2020 , 102,	3.3	3
23	High-harmonic generation in Weyl semimetal WTe_2 crystals. <i>Nature Communications</i> , 2021 , 12, 6437	17.4	3
22	Type-II Dirac Semimetal State in a Superconductor Tantalum Carbide. <i>Chinese Physics Letters</i> , 2020 , 37, 087103	1.8	3
21	Hybrid nodal chain in an orthorhombic graphene network. <i>Physical Review B</i> , 2021 , 103,	3.3	3
20	Non-Fermi-liquid behavior and saddlelike flat band in the layered ferromagnet AlFe_2B_2 . <i>Physical Review B</i> , 2020 , 101,	3.3	2
19	Introduction to Topological Insulators 2012 , 01, 31-36		2
18	Pentagraphite C8 : An all- sp^2 topological nodal-line semimetal. <i>Physical Review B</i> , 2021 , 104,	3.3	2
17	Signature of Dirac semimetal states in gray arsenic studied by de Haas–van Alphen and Shubnikov–de Haas quantum oscillations. <i>Physical Review B</i> , 2020 , 101,	3.3	1
16	Inelastic Electron Tunneling in $2\text{H-Ta}_x\text{Nb}_{1-x}\text{Se}_2$ Evidenced by Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2020 , 124, 106403	7.4	1
15	Robustness of topological states with respect to lattice instability in the nonsymmorphic topological insulator KHgSb . <i>Physical Review B</i> , 2017 , 96,	3.3	1
14	RSVS superconductors: Materials with a superconducting state that is robust against large volume shrinkage. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
13	Topological insulators in the NaCaBi family with large spin-orbit coupling gaps. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
12	Unusual electronic structure of Dirac material BaMnSb_2 revealed by angle-resolved photoemission spectroscopy*. <i>Chinese Physics B</i> , 2021 , 30, 067403	1.2	1
11	Electronic structure examination of the topological properties of CaMnSb_2 by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2021 , 103,	3.3	1
10	Metallization of Quantum Material GaTaSe at High Pressure. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5601-5607	6.4	1
9	BaHgSn : A Dirac semimetal with surface hourglass fermions. <i>Physical Review B</i> , 2020 , 101,	3.3	1

8	First Principle Calculation of the Effective Zeeman Couplings in Topological Materials 2021 , 263-281		1
7	Spin-polarized gap in the magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Physical Review B</i> , 2021 , 104,	3.3	1
6	Flat-Band-Induced Anomalous Anisotropic Charge Transport and Orbital Magnetism in Kagome Metal CoSn.. <i>Physical Review Letters</i> , 2022 , 128, 096601	7.4	1
5	Physical realization of topological Roman surface by spin-induced ferroelectric polarization in cubic lattice.. <i>Nature Communications</i> , 2022 , 13, 2373	17.4	1
4	High-Throughput Screening of Element-Doped Carbon Nanotubes Toward an Optimal One-Dimensional Superconductor. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6667-6675	6.4	0
3	Unprotected quadratic band crossing points and quantum anomalous Hall effect in FeB ₂ monolayer. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	0
2	Extremely low-energy collective modes in a quasi-one-dimensional topological system. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	
1	RTGW2020: An efficient implementation of the multi-orbital Gutzwiller method with general local interactions. <i>Computer Physics Communications</i> , 2022 , 276, 108348	4.2	