Yan Sun

List of Publications by Year
in descending order

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		8755	7348
231	24,683	75	152
papers	citations	h-index	g-index

237	237	237	14757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Giant anomalous Nernst signal in the antiferromagnet YbMnBi2. Nature Materials, 2022, 21, 203-209.	27.5	72
2	Direct observation of the spinâ€“orbit coupling effect in magnetic Weyl semimetal Co3Sn2S2. Npj Quantum Materials, 2022, 7, .	5.2	16
3	Quasi-quantized Hall response in bulk InAs. Scientific Reports, 2022, 12, 2153.	3.3	3
4	Exchange-biased topological transverse thermoelectric effects in a Kagome ferrimagnet. Nature Communications, 2022, 13, 1091.	12.8	21
5	Obstructed Surface States as the Descriptor for Predicting Catalytic Active Sites in Inorganic Crystalline Materials. Advanced Materials, 2022, 34, e2201328.	21.0	18
6	Weyl Semimetal States Generated Extraordinary Quasiâ€Linear Magnetoresistance and Nernst Thermoelectric Power Factor in Polycrystalline NbP. Advanced Functional Materials, 2022, 32, .	14.9	13
7	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> at room temperature. Physical Review B, 2022, 105, .	3.2	16
8	Anomalous thermoelectric effects and quantum oscillations in the kagome metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	3.2	27
9	Quasi-symmetry-protected topology in a semi-metal. Nature Physics, 2022, 18, 813-818.	16.7	15
10	Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb₂. Advanced Materials, 2021, 33, e2003168.	21.0	34
11	Weyl monopoles dance with the spin waves. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	3
12	Role of Magnetic Exchange Interactions in Chiral-Type Hall Effects of Epitaxial Mn_xPtSn Films. ACS Applied Electronic Materials, 2021, 3, 1323-1333.	4.3	11
13	Thermoelectric Materials: Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb₂ (Adv. Mater. 7/2021). Advanced Materials, 2021, 33, 2170051.	21.0	1
14	First-principles calculations for topological quantum materials. Nature Reviews Physics, 2021, 3, 283-297.	26.6	48
15	Enhancement of basal plane electrocatalytic hydrogen evolution activity via joint utilization of trivial and non-trivial surface states. Applied Materials Today, 2021, 22, 100921.	4.3	12
16	2Dâ€Berryâ€Curvatureâ€Driven Large Anomalous Hall Effect in Layered Topological Nodalâ€Line MnAlGe. Advanced Materials, 2021, 33, e2006301.	21.0	28
17	Giant c-axis nonlinear anomalous Hall effect in Td-MoTe2 and WTe2. Nature Communications, 2021, 12, 2049.	12.8	41
18	Large anomalous Hall effect in the kagome ferromagnet LiMn6Sn6. Physical Review B, 2021, 103, .	3.2	35

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19	Induced anomalous Hall effect of massive Dirac fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zr</mml:mi><mml:msub><mml:mi>Te</mml:mi><mml:m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Hf</mml:mi><mml:msub><mml:mi>Te</mml:mi><mml:m thin flakes. Physical Review B, 2021, 103, .	3.2	15
20	Hard magnet topological semimetals in XPt3 compounds with the harmony of Berry curvature. Communications Physics, 2021, 4, .	5.3	8
21	Giant Anomalous Hall Conductivity in the Itinerant Ferromagnet LaCrSb₃ and the Effect of fâ€Electrons. Advanced Quantum Technologies, 2021, 4, 2100023.	3.9	3
22	Unconventional anomalous Hall effect from magnetization parallel to the electric field. Physical Review B, 2021, 103, .	3.2	10
23	Coexistence of Surface Superconducting and Three-Dimensional Topological Dirac States in Semimetal KZnBi. Physical Review X, 2021, 11, .	8.9	8
24	Pressure-induced superconductivity and modification of Fermi surface in type-II Weyl semimetal NbIrTe4. Npj Quantum Materials, 2021, 6, .	5.2	8
25	Large Anomalous Hall and Nernst Effects in High Curieâ€Temperature Ironâ€Based Heusler Compounds. Advanced Science, 2021, 8, e2100782.	11.2	20
26	Large linear non-saturating magnetoresistance and high mobility in ferromagnetic MnBi. Nature Communications, 2021, 12, 4576.	12.8	22
27	Charge Density Waves and Electronic Properties of Superconducting Kagome Metals. Physical Review Letters, 2021, 127, 046401.	7.8	238
28	The Berry phase rectification tensor and the solar rectification vector. Journal Physics D: Applied Physics, 2021, 54, 404001.	2.8	6
29	Magnetocatalysis: The Interplay between the Magnetic Field and Electrocatalysis. CCS Chemistry, 2021, 3, 2259-2267.	7.8	13
30	Quantum Oscillations in Ferromagnetic (Sb, V) 2 Te 3 Topological Insulator Thin Films. Advanced Materials, 2021, 33, 2102107.	21.0	3
31	Sondheimer oscillations as a probe of non-ohmic flow in WP2 crystals. Nature Communications, 2021, 12, 4799.	12.8	7
32	Quantum oscillations, magnetic breakdown and thermal Hall effect in Co₃Sn₂S₂. Journal Physics D: Applied Physics, 2021, 54, 454003.	2.8	12
33	Design strong anomalous Hall effect via spin canting in antiferromagnetic nodal line materials. Physical Review B, 2021, 104, .	3.2	7
34	Roton pair density wave in a strong-coupling kagome superconductor. Nature, 2021, 599, 222-228.	27.8	276
35	Topology and symmetry of circular photogalvanic effect in the chiral multifold semimetals: a review. Journal of Physics Condensed Matter, 2021, 33, 503003.	1.8	8
36	Anisotropic Nodalâ€Lineâ€Derived Large Anomalous Hall Conductivity in ZrMnP and HfMnP. Advanced Materials, 2021, 33, 2104126.	21.0	4

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37	MoS2 on topological insulator Bi2Te3 thin films: Activation of the basal plane for hydrogen reduction. Journal of Energy Chemistry, 2021, 62, 516-522.	12.9	24
38	A charge-density-wave topological semimetal. Nature Physics, 2021, 17, 381-387.	16.7	76
39	Temperature dependence of quantum oscillations from non-parabolic dispersions. Nature Communications, 2021, 12, 6213.	12.8	14
40	Spin and Charge Interconversion in Dirac-Semimetal Thin Films. Physical Review Applied, 2021, 16, .	3.8	20
41	Topological phase transition in a magnetic Weyl semimetal. Physical Review B, 2021, 104, .	3.2	7
42	Transition metal on topological chiral semimetal PdGa with tailored hydrogen adsorption and reduction. Npj Computational Materials, 2021, 7, .	8.7	12
43	Surface superconductivity in the type II Weyl semimetal TaIrTe4. National Science Review, 2020, 7, 579-587.	9.5	39
44	Ab initio study of quantized circular photogalvanic effect in chiral multifold semimetals. Physical Review B, 2020, 102, .	3.2	22
45	Dirac fermions in antiferromagnetic FeSn kagome lattices with combined space inversion and time-reversal symmetry. Physical Review B, 2020, 102, .	3.2	52
46	Optical method to detect the relationship between chirality of reciprocal space chiral multifold fermions and real space chiral crystals. Physical Review B, 2020, 102, .	3.2	6
47	Field-Modulated Anomalous Hall Conductivity and Planar Hall Effect in Co₃Sn₂S₂ Nanoflakes. Nano Letters, 2020, 20, 7860-7867.	9.1	27
48	Eightfold fermionic excitation in a charge density wave compound. Physical Review B, 2020, 102, .	3.2	20
49	Exploiting Twoâ€Dimensional Bi₂O₂Se for Trace Oxygen Detection. Angewandte Chemie, 2020, 132, 18094-18099.	2.0	7
50	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. Nature Communications, 2020, 11, 3507.	12.8	27
51	A native oxide high-Î² gate dielectric for two-dimensional electronics. Nature Electronics, 2020, 3, 473-478.	26.0	141
52	Topological Lifshitz transition of the intersurface Fermi-arc loop in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NbIrTe</mml:mi><mml:mn>4</mml:mn></mml:msub></m Physical Review B, 2020, 102, .	3.2	12
53	Magnetic asymmetry induced anomalous spin-orbit torque in IrMn. Physical Review B, 2020, 101, .	3.2	36
54	Finite-temperature violation of the anomalous transverse Wiedemann-Franz law. Science Advances, 2020, 6, eaaz3522.	10.3	50

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55	Mode-resolved reciprocal space mapping of electron-phonon interaction in the Weyl semimetal candidate Td-WTe2. Nature Communications, 2020, 11, 2613.	12.8	51
56	Emerging chiral edge states from the confinement of a magnetic Weyl semimetal in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>3</mml:mn></mml: mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	3.2	48
57	Visualizing coexisting surface states in the weak and crystalline topological insulator Bi2TeI. Nature Materials, 2020, 19, 610-616.	27.5	23
58	Anisotropic electrical and thermal magnetotransport in the magnetic semimetal GdPtBi. Physical Review B, 2020, 101, .	3.2	24
59	Effect of magnetic field on the hydrogen evolution activity using non-magnetic Weyl semimetal catalysts. Dalton Transactions, 2020, 49, 3398-3402.	3.3	13
60	Giant anomalous Hall and Nernst effect in magnetic cubic Heusler compounds. Npj Computational Materials, 2020, 6, .	8.7	57
61	Exploiting Twoâ€Dimensional Bi₂O₂Se for Trace Oxygen Detection. Angewandte Chemie - International Edition, 2020, 59, 17938-17943.	13.8	31
62	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal Co2MnAl. Nature Communications, 2020, 11, 3476.	12.8	127
63	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb₂. Advanced Materials, 2020, 32, e1906046.	21.0	36
64	Thickness dependence of the anomalous Nernst effect and the Mott relation of Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: thin films. Physical Review B, 2020, 101, .	3.2	40
65	Topological Engineering of Ptâ€Groupâ€Metalâ€Based Chiral Crystals toward Highâ€Efficiency Hydrogen Evolution Catalysts. Advanced Materials, 2020, 32, e1908518.	21.0	81
66	Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB6. Physical Review Letters, 2020, 124, 076403.	7.8	65
67	In Situ Induction of Strain in Iron Phosphide (FeP₂) Catalyst for Enhanced Hydroxide Adsorption and Water Oxidation. Advanced Functional Materials, 2020, 30, 1907791.	14.9	55
68	Intrinsic Anomalous Hall Effect in Ni-Substituted Magnetic Weyl Semimetal Co₃Sn₂S₂. Chemistry of Materials, 2020, 32, 1612-1617.	6.7	51
69	Observation of giant spin-split Fermi-arc with maximal Chern number in the chiral topological semimetal PtGa. Nature Communications, 2020, 11, 2033.	12.8	46
70	Descriptor for Hydrogen Evolution Catalysts Based on the Bulk Band Structure Effect. ACS Catalysis, 2020, 10, 5042-5048.	11.2	46
71	A combined laser-based angle-resolved photoemission spectroscopy and two-photon photoemission spectroscopy study of Tdâ€“WTe₂. Journal of Physics Condensed Matter, 2020, 32, 345503.	1.8	3
72	Comprehensive scan for nonmagnetic Weyl semimetals with nonlinear optical response. Npj Computational Materials, 2020, 6, .	8.7	22

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73	Topological thermoelectrics. APL Materials, 2020, 8, .	5.1	84
74	The giant planar Hall effect and anisotropic magnetoresistance in Dirac node arcs semimetal PtSn₄. Journal of Physics Condensed Matter, 2020, 32, 315702.	1.8	11
75	Spin Nernst effect in a p-band semimetal InBi. New Journal of Physics, 2020, 22, 093003.	2.9	10
76	Pressure tuning of the anomalous Hall effect in the chiral antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>Sn. Physical Review Materials, 2020, 4, .	2.4	17
77	Difference frequency generation in topological semimetals. Physical Review Research, 2020, 2, .	3.6	51
78	Observation of charge to spin conversion in Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> at room temperature. Physical Review Research, 2020, 2, .	3.6	78
79	Active learning algorithm for computational physics. Physical Review Research, 2020, 2, .	3.6	14
80	Consequences of time-reversal-symmetry breaking in the light-matter interaction: Berry curvature, quantum metric, and diabatic motion. Physical Review Research, 2020, 2, .	3.6	71
81	Recent Advances in Two-Dimensional Magnets: Physics and Devices towards Spintronic Applications. Research, 2020, 2020, 1768918.	5.7	58
82	Largely Suppressed Magneto-Thermal Conductivity and Enhanced Magneto-Thermoelectric Properties in PtSn ₄. Research, 2020, 2020, 4643507.	5.7	26
83	In Situ Modification of a Delafossite-Type PdCoO₂ Bulk Single Crystal for Reversible Hydrogen Sorption and Fast Hydrogen Evolution. ACS Energy Letters, 2019, 4, 2185-2191.	17.4	34
84	Magneto-thermoelectric characterization of a HfTe5 micro-ribbon. Applied Physics Letters, 2019, 115, .	3.3	5
85	Topological Lifshitz transitions and Fermi arc manipulation in Weyl semimetal NbAs. Nature Communications, 2019, 10, 3478.	12.8	41
86	Surface states in bulk single crystal of topological semimetal Co ₃ Sn ₂ S ₂ toward water oxidation. Science Advances, 2019, 5, eaaw9867.	10.3	118
87	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd ₂ As ₂. Science Advances, 2019, 5, eaaw4718.	10.3	122
88	Dirac Nodal Arc Semimetal PtSn₄: An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. Angewandte Chemie - International Edition, 2019, 58, 13107-13112.	13.8	59
89	Dirac Nodal Arc Semimetal PtSn₄: An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. Angewandte Chemie, 2019, 131, 13241-13246.	2.0	28
90	Signatures for half-metallicity and nontrivial surface states in the kagome lattice Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	38

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91	Higher-Order Topology, Monopole Nodal Lines, and the Origin of Large Fermi Arcs in Transition Metal Dichalcogenides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:mrow><mml:msub><mml:mrow><mml:mi>Te</mml:mi></mml:mrow><mml:mrow><mml:mn		

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109	Linear Response in Topological Materials. Applied Sciences (Switzerland), 2019, 9, 4832.	2.5	9
110	Strong bulk photovoltaic effect in chiral crystals in the visible spectrum. Physical Review B, 2019, 100, .	3.2	18
111	Intrinsic Anomalous Nernst Effect Amplified by Disorder in a Half-Metallic Semimetal. Physical Review X, 2019, 9, .	8.9	45
112	Axionic charge-density wave in the Weyl semimetal (TaSe4)2I. Nature, 2019, 575, 315-319.	27.8	143
113	Low Residual Carrier Concentration and High Mobility in 2D Semiconducting Bi₂O₂Se. Nano Letters, 2019, 19, 197-202.	9.1	95
114	Pressure tuning of the electrical transport properties in the Weyl semimetal TaP. Physical Review Materials, 2019, 3, .	2.4	4
115	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ti</mml:mi><mml:mn>2</mml:mn></mml:m Physical Review B, 2018, 97, .	3.2	74
116	Tunable Weyl and Dirac states in the nonsymmorphic compound CeSbTe. Science Advances, 2018, 4, eaar2317.	10.3	110
117	Topological antiferromagnetic spintronics. Nature Physics, 2018, 14, 242-251.	16.7	427
118	Mobility spectrum analytical approach for the type-II Weyl semimetal Td-MoTe2. Applied Physics Letters, 2018, 112, .	3.3	6
119	Quantum oscillations in the type-II Dirac semi-metal candidate PtSe₂. New Journal of Physics, 2018, 20, 043008.	2.9	28
120	Dirac dispersion generates unusually large Nernst effect in Weyl semimetals. Physical Review B, 2018, 97, .	3.2	83
121	Topological Weyl semimetals in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mn>1</m alloys. Physical Review B, 2018, 97, .	3.2	17
122	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi4I4. Npj Quantum Materials, 2018, 3, .	5.2	34
123	Symmetry demanded topological nodal-line materials. Advances in Physics: X, 2018, 3, 1414631.	4.1	146
124	Berry curvature dipole in Weyl semimetal materials: An ab initio study. Physical Review B, 2018, 97, .	3.2	150
125	Electronic properties of topological insulator candidate CaAgAs. Journal of Physics Condensed Matter, 2018, 30, 045501.	1.8	18
126	Characterization of topological band structures away from the Fermi level by the anomalous Nernst effect. Physical Review B, 2018, 98, .	3.2	37

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127	From Colossal to Zero: Controlling the Anomalous Hall Effect in Magnetic Heusler Compounds via Berry Curvature Design. Physical Review X, 2018, 8, .	8.9	74
128	Topological Materials in Heusler Compounds. Springer Series in Solid-state Sciences, 2018, , 199-210.	0.3	1
129	Thermal and electrical signatures of a hydrodynamic electron fluid in tungsten diphosphide. Nature Communications, 2018, 9, 4093.	12.8	163
130	Prediction of ideal triple degenerate points in HfIrAs and HfIrBi. Physical Review B, 2018, 98, .	3.2	7
131	Electronic structures and unusually robust bandgap in an ultrahigh-mobility layered oxide semiconductor, Bi ₂ O ₂ Se. Science Advances, 2018, 4, eaat8355.	10.3	167
132	Electron Density Optimization and the Anisotropic Thermoelectric Properties of Ti Self-Intercalated Ti_{1+x}S₂ Compounds. ACS Applied Materials & Interfaces, 2018, 10, 32344-32354.	8.0	23
133	Observation of Landau quantization and standing waves in HfSiS. Physical Review B, 2018, 97, .	3.2	4
134	Origin of the extremely large magnetoresistance in topological semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PtS</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	21
135	Carbonâ€Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. Advanced Energy Materials, 2018, 8, 1801258.	19.5	111
136	Topological surface Fermi arcs in the magnetic Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>3</mml:mn></mml: mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	159
137	Photogalvanic effect in Weyl semimetals from first principles. Physical Review B, 2018, 97, .	3.2	77
138	Self-modulation doping effect in the high-mobility layered semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:m mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	63
139	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	16.7	876
140	Planar Hall effect in the type-II Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mi>d</mml:mi></mml:msub><mml:msu mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	54
141	Heusler, Weyl and Berry. Nature Reviews Materials, 2018, 3, 244-256.	48.7	250
142	A coronene-based semiconducting two-dimensional metal-organic framework with ferromagnetic behavior. Nature Communications, 2018, 9, 2637.	12.8	210
143	Electrically tuneable nonlinear anomalous Hall effect in two-dimensional transition-metal dichalcogenides WTe ₂ and MoTe ₂. 2D Materials, 2018, 5, 044001.	4.4	108
144	Anomalous Hall effect in Weyl semimetal half-Heusler compounds RPtBi (R = Gd and Nd). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9140-9144.	7.1	126

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145	Large Nernst power factor over a broad temperature range in polycrystalline Weyl semimetal NbP. Energy and Environmental Science, 2018, 11, 2813-2820.	30.8	57
146	Spin Hall effect emerging from a noncollinear magnetic lattice without spinâ€“orbit coupling. New Journal of Physics, 2018, 20, 073028.	2.9	65
147	Quasiparticle Interference Studies of Quantum Materials. Advanced Materials, 2018, 30, e1707628.	21.0	21
148	Strong anomalous Nernst effect in collinear magnetic Weyl semimetals without net magnetic moments. Physical Review B, 2018, 97, .	3.2	34
149	Multiple Dirac cones at the surface of the topological metal LaBi. Nature Communications, 2017, 8, 13942.	12.8	135
150	Impurity screening and stability of Fermi arcs against Coulomb and magnetic scattering in a Weyl monopnictide. Physical Review B, 2017, 95, .	3.2	16
151	Signature of type-II Weyl semimetal phase in MoTe2. Nature Communications, 2017, 8, 13973.	12.8	358
152	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	14.5	1,110
153	Strong anisotropic anomalous Hall effect and spin Hall effect in the chiral antiferromagnetic compounds<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	3.2	197
154	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTeI. Advanced Materials, 2017, 29, 1605965.	21.0	51
155	The Zeeman splitting of bulk 2H-MoTe2 single crystal in high magnetic field. Applied Physics Letters, 2017, 110, 102102.	3.3	8
156	High electron mobility and quantum oscillations in non-encapsulated ultrathin semiconducting Bi2O2Se. Nature Nanotechnology, 2017, 12, 530-534.	31.5	507
157	Dirac line nodes and effect of spin-orbit coupling in the nonsymmorphic critical semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:mi>SiS</mml:mi><mml:mspace width="0.16em" /><mml:mo>(</mml:mo><mml:mi>M</mml:mi><mml:mo>=</mml:mo><mml:mi>Hf</mml:mi><mml:mo>,</mml:mo><mml:mspace	3.2	131
158	Unusual magnetotransport from Si-square nets in topological semimetal HfSiS. Physical Review B, 2017, 95, .	3.2	55
159	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn₃Ge and Mn₃Sn. New Journal of Physics, 2017, 19, 015008.	2.9	277
160	Weyl Semimetals as Hydrogen Evolution Catalysts. Advanced Materials, 2017, 29, 1606202.	21.0	169
161	Topological Dirac semimetal phase in Pd and Pt oxides. Physical Review B, 2017, 95, .	3.2	26
162	Hidden type-II Weyl points in the Weyl semimetal NbP. Physical Review B, 2017, 96, .	3.2	9

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163	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. Physical Review Letters, 2017, 119, 136401.	7.8	75
164	Lifshitz Transitions Induced by Temperature and Surface Doping in Typeâ€II Weyl Semimetal Candidate T_dâ€WTe₂. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700209.	2.4	14
165	Experimental signatures of the mixed axialâ€“gravitational anomaly in the Weyl semimetal NbP. Nature, 2017, 547, 324-327.	27.8	222
166	Photochemical Water Splitting by Bismuth Chalcogenide Topological Insulators. ChemPhysChem, 2017, 18, 2322-2327.	2.1	54
167	Chiral magnetoresistance in the Weyl semimetal NbP. Scientific Reports, 2017, 7, 43394.	3.3	71
168	Observation of nodal line in non-symmorphic topological semimetal InBi. New Journal of Physics, 2017, 19, 065007.	2.9	51
169	A simple and efficient criterion for ready screening of potential topological insulators. Science Bulletin, 2017, 62, 1649-1653.	9.0	10
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