Large anomalous Hall effect in a non-collinear antiferro

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Citation Report

#	Article	IF	Citations
1	Anomalous Anisotropic Magnetoresistance of Antiferromagnetic Epitaxial Bimetallic Films: Mn₂Au and Mn₂Au/Fe Bilayers. Advanced Functional Materials, 2016, 26, 5884-5892.	7.8	16
2	Antiferromagnetic spintronics. Nature Nanotechnology, 2016, 11, 231-241.	15.6	1,578
3	Vertical spin Hall magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">t</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mrow><mml:mo>/</mml:mo><mml:mi>YIG</mml:mi></mml:mr	1.1	6
4	Intrinsic anomalous Hall effect in type-II Weyl semimetals. JETP Letters, 2016, 103, 717-722.	0.4	145
5	Anomalous Hall effect in a ferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mr crystal with a geometrically frustrated Fe bilayer kagome lattice. Physical Review B, 2016, 94, .	1.1	11
6	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. Science Advances, 2016, 2, e1501870.	4.7	561
7	Large anomalous Hall effect in a half-Heusler antiferromagnet. Nature Physics, 2016, 12, 1119-1123.	6.5	232
8	Giant Anomalous Hall Effect in the Chiral Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Ge</mml:mi></mml:math>. Physical Review Applied, 2016, 5, .	1.5	249
9	Giant facet-dependent spin-orbit torque and spin Hall conductivity in the triangular antiferromagnet IrMn ₃. Science Advances, 2016, 2, e1600759.	4.7	188
10	Anomalous Hall effect in tetragonal antiperovskite GeNFe₃ with a frustrated ferromagnetic state. RSC Advances, 2016, 6, 104433-104437.	1.7	8
11	Highly Textured IrMn₃(111) Thin Films Grown by Magnetron Sputtering. IEEE Magnetics Letters, 2016, 7, 1-5.	0.6	9
12	Spin transport through the metallic antiferromagnet FeMn. Physical Review B, 2016, 94, .	1.1	38
13	Structural and magnetic properties of Mn50Fe50â^'xSnx (x=10, 15 and 20) alloys. Journal of Magnetism and Magnetic Materials, 2016, 418, 260-264.	1.0	7
14	Weyl points in the ferromagnetic Heusler compound Co ₂ MnAl. Europhysics Letters, 2016, 114, 47005.	0.7	97
15	Effect of disorder on the magnetic and electronic structure of a prospective spin-gapless semiconductor MnCrVAl. AIP Advances, 2017, 7, .	0.6	16
16	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	5.2	1,110
17	Fieldâ€free, spinâ€current control of magnetization in nonâ€collinear chiral antiferromagnets. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600360.	1.2	23
18	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:mr	1.3	197

#	Article	IF	Citations
19	Cluster multipole theory for anomalous Hall effect in antiferromagnets. Physical Review B, 2017, 95, .	1.1	200
20	Baromagnetic Effect in the Hexagonal Mn₃Sn System. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	1
21	Anomalous Hall Effect and Spontaneous Orbital Magnetization in Antiferromagnetic Weyl Metal. Journal of the Physical Society of Japan, 2017, 86, 063703.	0.7	26
22	Active Crystal Growth Techniques for Quantum Materials. Annual Review of Materials Research, 2017, 47, 153-174.	4.3	14
23	Route towards Dirac and Weyl antiferromagnetic spintronics. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700044.	1.2	51
24	Transition from Anomalous Hall Effect to Topological Hall Effect in Hexagonal Non-Collinear Magnet Mn3Ga. Scientific Reports, 2017, 7, 515.	1.6	70
25	Weak ferromagnetic order breaking the threefold rotational symmetry of the underlying kagome lattice in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CdC</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi>OH</mml:mi> Physical Review B, 2017, 95, .	1.1	44
26	Switching of a large anomalous Hall effect between metamagnetic phases of a non-collinear antiferromagnet. Scientific Reports, 2017, 7, 42982.	1.6	31
27	Spin Superfluidity in Biaxial Antiferromagnetic Insulators. Physical Review Letters, 2017, 118, 137201.	2.9	63
28	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn₃Ge and Mn₃Sn. New Journal of Physics, 2017, 19, 015008.	1.2	277
29	Concepts of antiferromagnetic spintronics. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700022.	1.2	108
30	Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095.	13.3	450
31	Materials, Devices and Spin Transfer Torque in Antiferromagnetic Spintronics: A Concise Review. Spin, 2017, 07, 1740014.	0.6	6
32	Anomalous Hall Effect and Topological Defects in Antiferromagnetic Weyl Semimetals: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow> Physical Review Letters, 2017, 119, 087202.	2.9	125
33	The 2017 Magnetism Roadmap. Journal Physics D: Applied Physics, 2017, 50, 363001.	1.3	279
34	Optical Selection Rules in Spinâ€“Orbit Coupled Systems on Honeycomb Lattice. Journal of the Physical Society of Japan, 2017, 86, 083703.	0.7	13
35	Prediction and synthesis of a family of atomic laminate phases with KagomÃ©-like and in-plane chemical ordering. Science Advances, 2017, 3, e1700642.	4.7	156
36	Bistability and relaxor ferrimagnetism in off-stoichiometric NiCrO 3. Journal of Magnetism and Magnetic Materials, 2017, 443, 293-299.	1.0	3

#	Article	IF	Citations
37	Anomalous Hall effect in two-dimensional non-collinear antiferromagnetic semiconductor Cr0.68Se. Applied Physics Letters, 2017, 111, .	1.5	19
38	Large anomalous Nernst effect at room temperature in a chiral antiferromagnet. Nature Physics, 2017, 13, 1085-1090.	6.5	432
39	Anomalous Nernst and Righi-Leduc Effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mr : Berry Curvature and Entropy Flow. Physical Review Letters, 2017, 119, 056601.	2.9	212
40	Large spontaneous Hall effects in chiral topological magnets. Philosophical Magazine, 2017, 97, 2815-2827.	0.7	5
41	Anomalous Hall effect and magnetic orderings in nanothick <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	1.1	43
42	Magnetic properties of Mn3-xFexSn compounds with tuneable Curie temperature by Fe content for thermomagnetic motors. Journal of Magnetism and Magnetic Materials, 2017, 444, 280-283.	1.0	22
43	Topochemical Crystal Transformation from a Distorted to a Nearly Perfect Kagome Cuprate. Chemistry of Materials, 2017, 29, 6719-6725.	3.2	10
44	Semiclassical theory of anomalous transport in type-II topological Weyl semimetals. Physical Review B, 2017, 96, .	1.1	24
45	Electric-field-induced modulation of the anomalous Hall effect in a heterostructured itinerant ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2017, 96, .	1.1	19
46	Large anomalous Nernst and spin Nernst effects in the noncollinear antiferromagnets <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: (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 377 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mr	2.1	68
47	Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn3Sn. Applied Physics Letters, 2017, 111, .	1.5	38
48	Hall detection of anisotropic domain walls during magnetic phase transition. Journal Physics D: Applied Physics, 2017, 50, 505004.	1.3	5
49	Anisotropic anomalous Hall effect in triangular itinerant ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:r Physical Review B, 2017, 96, .	1.1	118
50	Spin-Polarized Current in Noncollinear Antiferromagnets. Physical Review Letters, 2017, 119, 187204.	2.9	168
51	Heusler 4.0: Tunable Materials. Annual Review of Materials Research, 2017, 47, 247-270.	4.3	132
52	Weyl fermions in antiferromagnetic Mn ₃ Sn and Mn ₃ Ge. Europhysics Letters, 2017, 120, 47002.	0.7	42
53	Sensitivity of the anomalous Hall effect to disorder correlations. Physical Review B, 2017, 96, .	1.1	26
54	Magnetic Moment Orientation-Dependent Spin Dissipation in Antiferromagnets. Physical Review Letters, 2017, 119, 267204.	2.9	30

#	Article	IF	Citations
55	Spin-orbit torques and spin Hall magnetoresistance in antiferromagnetic hexagonal Îµ-Mn<inf>3</inf>Ga/CoFeB bilayers. , 2017, , .		0
56	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:msub></mml:mrow></mml:math> Physical Review B, 2018, 97, .	3.7	74
57	First-principles Theory of Magnetic Multipoles in Condensed Matter Systems. Journal of the Physical Society of Japan, 2018, 87, 041008.	0.7	56
58	Electrical switching of the topological anomalous Hall effect in a non-collinear antiferromagnet above room temperature. Nature Electronics, 2018, 1, 172-177.	13.1	165
59	Evidence of a New Current-Induced Magnetoelectric Effect in a Toroidal Magnetic Ordered State of UNi₄B. Journal of the Physical Society of Japan, 2018, 87, 033702.	0.7	47
60	Spin transport and spin torque in antiferromagnetic devices. Nature Physics, 2018, 14, 220-228.	6.5	298
61	The multiple directions of antiferromagnetic spintronics. Nature Physics, 2018, 14, 200-203.	6.5	365
62	Topological antiferromagnetic spintronics. Nature Physics, 2018, 14, 242-251.	6.5	427
63	Towards the manipulation of topological states of matter: a perspective from electron transport. Science Bulletin, 2018, 63, 580-594.	4.3	20
64	Magnetic phase dependence of the anomalous Hall effect in Mn3Sn single crystals. Applied Physics Letters, 2018, 112, .	1.5	71
65	Magnetic correlations and transport properties in triangular-lattice nickel germanide Ni1.8Ge single crystal. Journal of Magnetism and Magnetic Materials, 2018, 460, 104-110.	1.0	3
66	Large uniaxial magnetostriction with sign inversion at the first order phase transition in the nanolaminated Mn2GaC MAX phase. Scientific Reports, 2018, 8, 2637.	1.6	42
67	Antiferromagnetic spintronics. Reviews of Modern Physics, 2018, 90, .	16.4	1,536
68	Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. Nature Photonics, 2018, 12, 73-78.	15.6	260
69	Synthesis, magnetic and transport properties of HTP-Ni₃Sn₂ single crystals obtained by the chemical vapor transport method. RSC Advances, 2018, 8, 213-216.	1.7	2
70	How to manipulate magnetic states of antiferromagnets. Nanotechnology, 2018, 29, 112001.	1.3	79
71	Spin chirality induced skew scattering and anomalous Hall effect in chiral magnets. Science Advances, 2018, 4, eaap9962.	4.7	77
72	Weyl and Dirac semimetals in three-dimensional solids. Reviews of Modern Physics, 2018, 90, .	16.4	3,031

#	Article	IF	Citations
73	Topological thermal Hall effect due to Weyl magnons. Canadian Journal of Physics, 2018, 96, 1216-1223.	0.4	8
74	Intrinsic spin-orbit torque in an antiferromagnet with a weakly noncollinear spin configuration. Physical Review B, 2018, 97, .	1.1	3
75	Tunable magnetic and transport properties of Mn3Ga thin films on Ta/Ru seed layer. Journal of Applied Physics, 2018, 123, .	1.1	19
76	Massive Dirac fermions in a ferromagnetic kagome metal. Nature, 2018, 555, 638-642.	13.7	544
77	Electrical switching of the anomalous Hall effect. Nature Electronics, 2018, 1, 154-155.	13.1	8
78	Weyl magnons in noncoplanar stacked kagome antiferromagnets. Physical Review B, 2018, 97, .	1.1	41
79	Impurity-induced vector spin chirality and anomalous Hall effect in ferromagnetic metals. New Journal of Physics, 2018, 20, 123027.	1.2	10
80	Magnetic excitations in non-collinear antiferromagnetic Weyl semimetal Mn3Sn. Npj Quantum Materials, 2018, 3, .	1.8	45
81	A Self Fixing Intelligent Ant Clustering Algorithm For Graphs. , 2018, , .		2
82	Anomalous Nernst effect related to magnetic domains in a microfabricated thermoelectric element made of noncollinear antiferromagnet Mn<inf>3</inf>Sn.. , 2018, , .		0
83	Electrically induced and detected NÃ©el vector reversal in a collinear antiferromagnet. Nature Communications, 2018, 9, 4686.	5.8	79
84	Anomalous Hall effect in thin films of the Weyl antiferromagnet Mn3Sn. Applied Physics Letters, 2018, 113, .	1.5	97
85	Anomalous Hall effect in the trigonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cr</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math> single crystal. Physical Review B, 2018, 98, .	1.1	27
86	Temperature independent, wide modulation of anomalous Hall effect by Mn doping in Fe_{4â^'}_xMn_xN pseudo-single-crystal films. Japanese Journal of Applied Physics, 2018, 57, 120305.	0.8	10
87	Structural investigation of magnetron sputtered Ta/NixMn100-x/Ta thin films. AIP Conference Proceedings, 2018, , .	0.3	0
88	Evidence for Weyl fermions in a canonical heavy-fermion semimetal YbPtBi. Nature Communications, 2018, 9, 4622.	5.8	62
89	Group-theoretical classification of multipole order: Emergent responses and candidate materials. Physical Review B, 2018, 98, .	1.1	82
90	Characterization of topological band structures away from the Fermi level by the anomalous Nernst effect. Physical Review B, 2018, 98, .	1.1	37

#	Article	IF	Citations
91	Multisite Exchange-Enhanced Barocaloric Response in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</ Physical Review X, 2018, 8, .	2.8	24
92	Anomalous Hall effect in polycrystalline Mn3Sn thin films. Applied Physics Letters, 2018, 113, .	1.5	50
93	Strongly correlated oxides for energy harvesting. Science and Technology of Advanced Materials, 2018, 19, 899-908.	2.8	15
94	From Colossal to Zero: Controlling the Anomalous Hall Effect in Magnetic Heusler Compounds via Berry Curvature Design. Physical Review X, 2018, 8, .	2.8	74
95	Current-driven magnetization switching in ferromagnetic bulk Rashba semiconductor (Ge,Mn)Te. Science Advances, 2018, 4, eaat9989.	4.7	28
96	Topological Materials in Heusler Compounds. Springer Series in Solid-state Sciences, 2018, , 199-210.	0.3	1
97	Ferroelectric polarization control of spin states in Mn4N/PMN-PT heterostructures revealed by topological Hall effect. Applied Physics Letters, 2018, 113, .	1.5	9
98	Topological Matter. Springer Series in Solid-state Sciences, 2018, , .	0.3	5
99	Anomalous Hall Effect. Springer Series in Solid-state Sciences, 2018, , 177-207.	0.3	0
100	Symmetry and Topology in Antiferromagnetic Spintronics. Springer Series in Solid-state Sciences, 2018, , 267-298.	0.3	4
101	Impact of antiferromagnetic order on Landau-level splitting of quasi-two-dimensional Dirac fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>EuMnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2018, 98, .	1.1	28
102	Classification of atomic-scale multipoles under crystallographic point groups and application to linear response tensors. Physical Review B, 2018, 98, .	1.1	140
103	Sample dependence studies of the Kondo Weyl semimetal YbPtBi. AIP Advances, 2018, 8, 101336.	0.6	5
104	Magnetotransport properties of Î³-FeMn thin films grown by high-temperature sputtering. AIP Advances, 2018, 8, 085018.	0.6	6
105	Perspective: Spintronic synapse for artificial neural network. Journal of Applied Physics, 2018, 124, .	1.1	67
106	Gate-tunable weak antilocalization in a few-layer InSe. Physical Review B, 2018, 98, .	1.1	24
107	Giant and anisotropic many-body spinâ€“orbit tunability in a strongly correlated kagome magnet. Nature, 2018, 562, 91-95.	13.7	255
108	Unconventional anomalous Hall effect from antiferromagnetic domain walls of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	1.1	24

#	Article	IF	Citations
109	Theory of the Topological Spin Hall Effect in Antiferromagnetic Skyrmions: Impact on Current-Induced Motion. Physical Review Letters, 2018, 121, 097204.	2.9	60
110	Quantum materials for spin and charge conversion. Npj Quantum Materials, 2018, 3, .	1.8	132
111	Gradual pressure-induced change in the magnetic structure of the noncollinear 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: Physical Review B, 2018, 97, .	1.1	23
112	Carrier density control of magnetism and Berry phases in doped EuTiO3. APL Materials, 2018, 6, .	2.2	24
113	Spin current transmission in polycrystalline NiO films. Applied Physics Express, 2018, 11, 073003.	1.1	12
114	Giant anomalous Nernst effect and quantum-critical scaling in a ferromagnetic semimetal. Nature Physics, 2018, 14, 1119-1124.	6.5	366
115	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	6.5	876
116	Heusler, Weyl and Berry. Nature Reviews Materials, 2018, 3, 244-256.	23.3	250
117	Structure and topology of band structures in the 1651 magnetic space groups. Science Advances, 2018, 4, eaat8685.	4.7	194
118	Spontaneous Hall effect in the Weyl semimetal candidate of all-in all-out pyrochlore iridate. Nature Communications, 2018, 9, 3032.	5.8	59
119	Complex transport properties of the Ni1.92Mn1.56Sn0.52 Heusler alloy and its magnetic behavior. Journal of Magnetism and Magnetic Materials, 2018, 466, 260-266.	1.0	17
120	Large anomalous Hall current induced by topological nodal lines in a ferromagnetic van der Waals semimetal. Nature Materials, 2018, 17, 794-799.	13.3	346
121	Spontaneous Hall effects in the electron system at the SmTiO3/EuTiO3 interface. APL Materials, 2018, 6, .	2.2	22
122	FMR-driven spin pumping in Y₃Fe₅O₁₂-based structures. Journal Physics D: Applied Physics, 2018, 51, 253001.	1.3	51
123	Frustrated Magnetism of Pharmacosiderite Comprising Tetrahedral Clusters Arranged in the Primitive Cubic Lattice. Journal of the Physical Society of Japan, 2018, 87, 093702.	0.7	4
124	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.	3.3	126
125	Large anomalous Hall effect in the chiral-lattice antiferromagnet CoNb3S6. Nature Communications, 2018, 9, 3280.	5.8	102
126	Spin Hall effect emerging from a noncollinear magnetic lattice without spinâ€“orbit coupling. New Journal of Physics, 2018, 20, 073028.	1.2	65

#	Article	IF	Citations
127	The electrical transport and magnetic properties of Fe1.08Sb single crystal. Journal of Magnetism and Magnetic Materials, 2018, 465, 387-391.	1.0	2
128	Strong anomalous Nernst effect in collinear magnetic Weyl semimetals without net magnetic moments. Physical Review B, 2018, 97, .	1.1	34
129	Spin susceptibility of three-dimensional Dirac-Weyl semimetals. Physical Review B, 2018, 97, .	1.1	13
130	Short-range magnetic order and electrical behavior in epitaxial NiCo2O4 thin films. Journal of Applied Physics, 2019, 126, .	1.1	17
131	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn3Ir. Applied Physics Letters, 2019, 115, 062403.	1.5	12
132	The Biaxial Strain Dependence of Magnetic Order in Spin Frustrated Mn₃NiN Thin Films. Advanced Functional Materials, 2019, 29, 1902502.	7.8	23
133	Berry curvature unravelled by the anomalous Nernst effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mathvariant="normal">Ge</mml:mi></mml:math>. Physical Review B, 2019, 100, .	1.1	38
134	Electrical current switching of the noncollinear antiferromagnet Mn3GaN. Applied Physics Letters, 2019, 115, .	1.5	44
135	Magnetic anisotropy and topological Hall effect in the trigonal chromium tellurides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cr</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	48
136	Dynamics of noncollinear antiferromagnetic textures driven by spin current injection. Physical Review B, 2019, 100, .	1.1	36
137	Origin of the anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrCoO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> thin films. Physical Review B, 2019, 100, .	1.1	9
138	Layer-dependent intrinsic anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	10
139	Complex magnetic phase diagram of metamagnetic MnPtSi. Physical Review B, 2019, 100, .	1.1	4
140	Chiral domain walls of Mn3Sn and their memory. Nature Communications, 2019, 10, 3021.	5.8	58
141	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd ₂ As ₂. Science Advances, 2019, 5, eaaw4718.	4.7	122
142	Controlling Chiral Spin States of a Triangularâ€Lattice Magnet by Cooling in a Magnetic Field. Advanced Functional Materials, 2019, 29, 1900947.	7.8	4
143	Anomalous Hall effect in the noncollinear antiferromagnetic antiperovskite <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:mathvariant="normal">N</mml:mi></mml:mrow></mml:math>. Physical Review B, 2019, 100, .	1.1	27
144	Scanning tunneling microscopy on cleaved Mn3Sn(0001) surface. Scientific Reports, 2019, 9, 9677.	1.6	7

#	Article	IF	Citations
145	Magnon-polaron excitations in the noncollinear antiferromagnet Mn3Ge. Physical Review B, 2019, 99, .	1.1	18
146	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, .	1.1	38
147	Terahertz conductivity of the magnetic Weyl semimetal Mn3Sn films. Applied Physics Letters, 2019, 115, .	1.5	26
148	Pressure-induced modification of the anomalous Hall effect in layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	32
149	The study of magnetic topological semimetals by first principles calculations. Npj Computational Materials, 2019, 5, .	3.5	70
150	Magnetic-Field Control of Topological Electronic Response near Room Temperature in Correlated Kagome Magnets. Physical Review Letters, 2019, 123, 196604.	2.9	20
151	Performance Potential of 2D Kagome Lattice Interconnects. IEEE Electron Device Letters, 2019, 40, 1973-1975.	2.2	5
152	Orientation-dependent THz emission in non-collinear antiferromagnetic Mn3Sn and Mn3Sn-based heterostructures. Applied Physics Letters, 2019, 115, .	1.5	25
153	Robust magnetotransport in disordered ferromagnetic kagome layers with quantum anomalous Hall effect. Physical Review B, 2019, 100, .	1.1	7
155	Tilting dependence and anisotropy of anomaly-related magnetoconductance in type-II Weyl semimetals. Scientific Reports, 2019, 9, 16149.	1.6	2
156	Angular dependence of the topological Hall effect in the uniaxial van der Waals ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	52
157	Multiple magnon modes in the Co₃Sn₂S₂Weyl semimetal candidate. Europhysics Letters, 2019, 127, 57002.	0.7	14
158	Two-Orbital Effective Model for Magnetic Weyl Semimetal in Kagome-Lattice Shandite. Journal of the Physical Society of Japan, 2019, 88, 123703.	0.7	25
159	Multifold nodal points in magnetic materials. APL Materials, 2019, 7, .	2.2	51
160	Quantum anomalous Hall effect and Anderson-Chern insulating regime in the noncollinear antiferromagnetic 3Q state. Physical Review B, 2019, 100, .	1.1	10
161	Integration of the noncollinear antiferromagnetic metal Mn3Sn onto ferroelectric oxides for electric-field control. Acta Materialia, 2019, 181, 537-543.	3.8	40
162	Anomalous Hall effect and the role of Berry curvature in <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> Heusler films. Physical Review B, 2019, 100, .	1.1	32
163	Colossal Enhancement of Spin-Chirality-Related Hall Effect by Thermal Fluctuation. Physical Review Applied, 2019, 12, .	1.5	9

#	Article	IF	Citations
164	Magnetotransport as a probe of phase transformations in metallic antiferromagnets: The case of UIrSi3. Physical Review B, 2019, 100, .	1.1	12
165	Room-temperature angular-dependent topological Hall effect in chiral antiferromagnetic Weyl semimetal Mn3Sn. Applied Physics Letters, 2019, 115, .	1.5	25
166	Synthesis of atomically layered and chemically ordered rare-earth (RE) <i>i</i>-MAX phases; (Mo_{2/3}RE_{1/3})₂GaC with REâ€‰=â€‰Gd, Tb, Dy, Ho, Er, Tm, Yb, and Lu. Materials Research Letters, 2019, 7, 446-452.	4.1	40
167	Thickness dependence of the anomalous Hall effect in thin films of the topological 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></m Physical Review B, 2019, 100, .	1.1	66
168	Current-induced spin-orbit torques in ferromagnetic and antiferromagnetic systems. Reviews of Modern Physics, 2019, 91, .	16.4	899
169	Topology analysis for anomalous Hall effect in the noncollinear antiferromagnetic states of <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></m mathvariant="normal">N</mml:mi></mml:mrow></mml:math> <mml:math		

#	Article	IF	Citations
182	Multipole expansion for magnetic structures: A generation scheme for a symmetry-adapted orthonormal basis set in the crystallographic point group. Physical Review B, 2019, 99, .	1.1	59
183	Spin glass behavior in the disordered half-Heusler compound IrMnGa. Physical Review B, 2019, 99, .	1.1	34
184	Strain-induced spontaneous Hall effect in an epitaxial thin film of a Luttinger semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8803-8808.	3.3	37
185	In-plane and perpendicular exchange bias effect induced by an antiferromagnetic D019 Mn2FeGa thin film. Journal of Magnetism and Magnetic Materials, 2019, 484, 307-312.	1.0	11
186	Anomalous Nernst effect beyond the magnetization scaling relation in the ferromagnetic Heusler compound Co2MnGa. NPG Asia Materials, 2019, 11, .	3.8	190
187	Large anomalous Hall and Nernst effects from nodal line symmetry breaking in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Mn</mml:mi><mml:mi>X</mml:mi></mml:math> (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X</mml:mi></mml:math> =) Tj ETQq1 1 0.784314 rgB	1.1	38
188	Spin-Orientation-Dependent Topological States in Two-Dimensional Antiferromagnetic NiTl₂S₄ Monolayers. Nano Letters, 2019, 19, 3321-3326.	4.5	28
189	A flexible exchange-biased spin valve for sensing strain direction. Applied Physics Letters, 2019, 114, 132401.	1.5	30
190	Ab initiotheory of the Gibbs free energy and a hierarchy of local moment correlation functions in itinerant electron systems: The magnetism of the<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> class. Physical Review B, 2019, 99, .	1.1	20
191	Field-induced topological Hall effect in the noncoplanar triangular antiferromagnetic geometry of <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> Physical Review B, 2019, 99, .	1.1	75
192	Energy-harvesting materials based on the anomalous Nernst effect. Science and Technology of Advanced Materials, 2019, 20, 262-275.	2.8	122
193	Spin-order dependent anomalous Hall effect and magneto-optical effect in the noncollinear antiferromagnets <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:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math> with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>X</mml:mi><mml:mo>=</mml:mo><mml:mi>Ga</mml:mi> , Zn, Ag, or Ni. Physical Review B, 2019, 99, .	1.1	55
194	Fe-Sn nanocrystalline films for flexible magnetic sensors with high thermal stability. Scientific Reports, 2019, 9, 3282.	1.6	26
195	Transport of Topological Semimetals. Annual Review of Materials Research, 2019, 49, 207-252.	4.3	155
196	Photo-induced Floquet Weyl magnons in noncollinear antiferromagnets. Annals of Physics, 2019, 406, 14-29.	1.0	1
197	Antiferromagnetic Piezospintronics. Advanced Electronic Materials, 2019, 5, 1900176.	2.6	73
198	Improvement of Large Anomalous Hall Effect in Polycrystalline Antiferromagnetic Mn3+x Sn Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	15
199	Orbital magnetization and anomalous Hall effect in interacting Weyl semimetals. Physical Review B, 2019, 99, .	1.1	13

#	Article	IF	Citations
200	Anomalous Hall Effectâ€“Like Behavior with Inâ€Plane Magnetic Field in Noncollinear Antiferromagnetic Mn₃Sn Films. Advanced Electronic Materials, 2019, 5, 1800818.	2.6	56
201	Spin Hall effect from hybridized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi><mml:mo></mml:mo></mml:mrow></mml:math> orbitals. Physical Review B, 2019, 99, .	1.1	60
202	An upside-down magnet. Nature Physics, 2019, 15, 424-425.	6.5	12
203	Ideal Weyl semimetal induced by magnetic exchange. Physical Review B, 2019, 100, .	1.1	130
204	2D coordination polymers: Design guidelines and materials perspective. Applied Physics Reviews, 2019, 6, 041311.	5.5	39
205	Linear Response in Topological Materials. Applied Sciences (Switzerland), 2019, 9, 4832.	1.3	9
206	Weak ferromagnetism in hexagonal Mn3Z alloys (Z=Sn,Ge,Ga). Physical Review B, 2019, 100, .	1.1	7
207	Critical behavior in the half-metallic Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>TiSn</mml:mi></mml:math>. Physical Review B, 2019, 100, .	1.1	18
208	Interface-driven unusual anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>Ga</mml:mi><mml:mo>/</mml:mo><mml:mi>Pt</mml:mi></mml:mrow></mml:math> bilayers. Physical Review B, 2019, 100, .	1.1	9
209	Imaging and writing magnetic domains in the non-collinear antiferromagnet Mn3Sn. Nature Communications, 2019, 10, 5459.	5.8	55
210	Magneto-optic and transverse-transport properties of noncollinear antiferromagnets. Physical Review B, 2019, 100, .	1.1	12
211	Anisotropic magnetoresistance and nontrivial spin Hall magnetoresistance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Î±</mml:mi><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> bilayers. Physical Review B, 2019, 100, .	1.1	35
212	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	1.1	9
213	Ferromagnetic state above room temperature in a proximitized topological Dirac semimetal. Physical Review B, 2019, 100, .	1.1	18
214	Phase Diagram of a Magnetic Topological Nodal Semimetal: Stable Nodal Line in an Easy-Plane Ferromagnet. Journal of the Physical Society of Japan, 2019, 88, 114701.	0.7	5
215	Topological nodal lines and nodal points in the antiferromagnetic material Î²-Fe₂PO₅. Journal of Materials Chemistry C, 2019, 7, 12657-12663.	2.7	50
216	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. Nature, 2019, 565, 337-342.	13.7	372
217	Magnetotransport properties and giant anomalous Hall angle in the half-Heusler compound TbPtBi. Physical Review B, 2019, 99, .	1.1	37

#	Article	IF	Citations
218	Magnetotransport Anomaly in Roomâ€Temperature Ferrimagnetic NiCo₂O₄ Thin Films. Advanced Materials, 2019, 31, e1805260.	11.1	47
219	Diagrammatic approach to nonlinear optical response with application to Weyl semimetals. Physical Review B, 2019, 99, .	1.1	110
220	Magnetoresistance in Bilayers of Heavy Metal and Non-collinear Antiferromagnet. Journal of the Magnetics Society of Japan, 2019, 43, n/a.	0.5	1
221	Anisotropic magnetoresistance in the itinerant antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>EuTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	1.1	31
222	Magnetic and magneticÂinverse spin Hall effects in a non-collinear antiferromagnet. Nature, 2019, 565, 627-630.	13.7	252
223	Electricâ€Field Control of Magnetic Order: From FeRh to Topological Antiferromagnetic Spintronics. Advanced Electronic Materials, 2019, 5, 1800466.	2.6	62
224	Structural and antiferromagnetic characterization of noncollinear D019 Mn3Ge polycrystalline film. Journal of Magnetism and Magnetic Materials, 2019, 473, 7-11.	1.0	16
225	Magnetic Textures and Dynamics in Magnetic Weyl Semimetals. Annalen Der Physik, 2020, 532, 1900287.	0.9	35
226	Hump-like structure in Hall signal from ultra-thin SrRuO3 films without inhomogeneous anomalous Hall effect. Current Applied Physics, 2020, 20, 186-190.	1.1	19
227	Magneto-conductivity of Weyl semimetals: the roles of inter-valley scattering and high-order Feynman diagrams. Journal of Physics Condensed Matter, 2020, 32, 205502.	0.7	2
228	Robust axion insulator and Chern insulator phases in a two-dimensional antiferromagnetic topological insulator. Nature Materials, 2020, 19, 522-527.	13.3	536
229	Theoretical Prediction and Experimental Verification of the Chemically Ordered Atomic-Laminate i-MAX Phases (Cr_{2/3}Sc_{1/3})₂GaC and (Mn_{2/3}Sc_{1/3})₂GaC. Crystal Growth and Design, 2020, 20, 55-61.	1.4	16
230	Dirac fermions and flat bands in the ideal kagome metal FeSn. Nature Materials, 2020, 19, 163-169.	13.3	367
231	Noncollinear spintronics and electric-field control: a review. Rare Metals, 2020, 39, 95-112.	3.6	53
232	Crystal orientation and anomalous Hall effect of sputter-deposited non-collinear antiferromagnetic Mn₃Sn thin films. Applied Physics Express, 2020, 13, 013001.	1.1	24
233	Highly efficient spin-orbit torque in Pt/Co/Ir multilayers with antiferromagnetic interlayer exchange coupling. Physical Review B, 2020, 101, .	1.1	31
234	Theory of spin waves in a hexagonal antiferromagnet. Physical Review B, 2020, 102, .	1.1	21
235	Giant magneto-optical responses in magnetic Weyl semimetal Co3Sn2S2. Nature Communications, 2020, 11, 4619.	5.8	92

#	Article	IF	Citations
236	The electric and magnetic properties of novel two-dimensional MnBr2 and MnI2 from first-principles calculations. Journal of Applied Physics, 2020, 128, .	1.1	13
237	Spin transport in noncollinear antiferromagnetic metals. Physical Review B, 2020, 102, .	1.1	7
238	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401.	2.9	24
239	Quantum-limit Chern topological magnetism in TbMn6Sn6. Nature, 2020, 583, 533-536.	13.7	253
240	Spin-resolved photomodulated electronic properties of ferromagnetic kagome lattices. Physical Review B, 2020, 102, .	1.1	3
241	Large tunable anomalous Hall effect in the kagome antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">U</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Ru</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2020, 102, .	1.1	8
242	Strain engineering of the magnetic multipole moments and anomalous Hall effect in pyrochlore iridate thin films. Science Advances, 2020, 6, eabb1539.	4.7	24
243	Topological semimetals from the perspective of first-principles calculations. Journal of Applied Physics, 2020, 128, .	1.1	15
244	Atoms to topological electronic materials: a bedtime story for beginners. Indian Journal of Physics, 2020, , 1.	0.9	3
245	Fermionâ€“boson many-body interplay in a frustrated kagome paramagnet. Nature Communications, 2020, 11, 4003.	5.8	35
246	Anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î¹</mml:mi></mml:math> -type organic antiferromagnets. Physical Review B, 2020, 102, .	1.1	35
247	Topological flat bands in frustrated kagome lattice CoSn. Nature Communications, 2020, 11, 4004.	5.8	203
248	Epitaxial antiperovskite/perovskite heterostructures for materials design. Science Advances, 2020, 6, eaba4017.	4.7	18
249	High quality epitaxial thin films and exchange bias of antiferromagnetic Dirac semimetal FeSn. Applied Physics Letters, 2020, 117, .	1.5	5
250	Metallic antiferromagnets. Journal of Applied Physics, 2020, 128, .	1.1	57
251	Giant, unconventional anomalous Hall effect in the metallic frustrated magnet candidate, KV ₃ Sb ₅. Science Advances, 2020, 6, eabb6003.	4.7	295
252	Noncollinear frustrated antiferromagnetic Mn3P monolayer and its tunability via a spin degree of freedom. Journal of Materials Chemistry C, 2020, 8, 11369-11375.	2.7	3
253	Antichiral spin order, its soft modes, and their hybridization with phonons in the topological semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>3</mml:mn> Physical Review B, 2020, 102, .	1.1	29

#	Article	IF	Citations
254	Symmetrized decomposition of the Kubo-Bastin formula. Physical Review B, 2020, 102, .	1.1	15
255	High and reversible spin polarization in a collinear antiferromagnet. Applied Physics Reviews, 2020, 7, .	5.5	10
256	Spin-Reorientation-Induced Band Gap in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mn></mml:mn></mml:mrow></mml:mrow></mml:math> : Optical Signatures of Weyl Nodes. Physical Review Letters, 2020, 125, 076403.	2.9	27
257	Topological Nernst Effect of the Two-Dimensional Skyrmion Lattice. Physical Review Letters, 2020, 125, 076602.	2.9	55
258	Electrical control goes to topological antiferromagnets. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	0
259	Molecular beam epitaxy of the magnetic Kagome metal FeSn on LaAlO3 (111). AIP Advances, 2020, 10, .	0.6	13
260	Fermionic order by disorder in a van der Waals antiferromagnet. Scientific Reports, 2020, 10, 15311.	1.6	6
261	Anomalous and topological Hall effect in Cu doped Sb2Te3 topological insulator. Applied Physics Letters, 2020, 117, .	1.5	9
262	Large topological Hall effect in an easy-cone ferromagnet (Cr0.9B0.1)Te. Applied Physics Letters, 2020, 117, .	1.5	15
263	Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound DyPtBi. Physical Review B, 2020, 102, .	1.1	13
264	Topological transitions of spin-excitations in insulating chiral antiferromagnets. Europhysics Letters, 2020, 131, 27001.	0.7	3
265	Anomalous Hall effect in the half-metallic Heusler compound <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: (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 297 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow	1.1	22
266	Kondo physics in antiferromagnetic Weyl semimetal Mn _{3+ x} Sn _{1â^' x} films. Science Advances, 2020, 6, eabc1977.	4.7	23
267	Recent advancements in the study of intrinsic magnetic topological insulators and magnetic Weyl semimetals. APL Materials, 2020, 8, .	2.2	20
268	Augmented Magnetic Octupole in KagomÃ© 120-degree Antiferromagnets Detectable via X-ray Magnetic Circular Dichroism. Journal of the Physical Society of Japan, 2020, 89, 083703.	0.7	12
269	Anomalous Hall effect in Ni47.3Mn30.6Ga22.1/MgO(001) thin films. Physical Review B, 2020, 102, .	1.1	2
270	Quantum field theory of topological spin dynamics. Physical Review B, 2020, 102, .	1.1	9
271	Local Disorder-Induced Elevation of Intrinsic Anomalous Hall Conductance in an Electron-Doped Magnetic Weyl Semimetal. Physical Review Letters, 2020, 125, 086602.	2.9	45

#	Article	IF	Citations
272	Antiferromagnetic spintronics. Journal of Applied Physics, 2020, 128, .	1.1	54
273	Size-dependent anomalous Hall effect in noncollinear antiferromagnetic Mn3Sn films. Applied Physics Letters, 2020, 117, .	1.5	22
274	Magnon dispersion relations in the noncollinear antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>IrMn</mml:mi><mml:mn>3</mml:mn></mml:msub></mn Physical Review B, 2020, 102, .	1.1	3
275	Spin-polarized Weyl cones and giant anomalous Nernst effect in ferromagnetic Heusler films. Communications Materials, 2020, 1, .	2.9	57
276	Exchange Bias in Antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Sn</mml:mi></mml:math> Monolayer Films. Physical Review Applied, 2020, 14, .	1.5	7
277	Dynamical and current-induced Dzyaloshinskii-Moriya interaction: Role for damping, gyromagnetism, and current-induced torques in noncollinear magnets. Physical Review B, 2020, 102, .	1.1	8
278	Interstitial Atom Engineering in Magnetic Materials. Metals, 2020, 10, 1644.	1.0	15
279	Functional antiferromagnets for potential applications on high-density storage and high frequency. Journal of Applied Physics, 2020, 128, .	1.1	18
280	Room temperature anomalous Hall effect in antiferromagnetic Mn3SnN films. Applied Physics Letters, 2020, 117, .	1.5	20
281	A tunable stress dilatometer and measurement of the thermal expansion under uniaxial stress of Mn3Sn. Applied Physics Letters, 2020, 117, .	1.5	5
282	Orbitronics with uniform and nonuniform magnetic structures. Solid State Physics, 2020, 71, 1-38.	1.3	1
283	Localized spin-orbit polaron in magnetic Weyl semimetal Co3Sn2S2. Nature Communications, 2020, 11, 5613.	5.8	53
284	Cluster Multipole Dynamics in Noncollinear Antiferromagnets. , 2020, , .		1
285	Unusual anomalous Hall effect in perpendicularly magnetized YIG films with a small Gilbert damping constant. Physical Review B, 2020, 101, .	1.1	16
286	Finite-temperature violation of the anomalous transverse Wiedemann-Franz law. Science Advances, 2020, 6, eaaz3522.	4.7	50
287	Field-induced spin reorientation in the antiferromagnetic Dirac material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>EuMnBi</mml:mi><mml:mn>2</mml:mn></mml:msub> revealed by neutron and resonant x-ray diffraction. Physical Review B, 2020, 101, .	1.1	10
288	Anomalous Hall effect in the kagome ferrimagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GdMn</mml:mi><mml:mn>6</mml:mn></m Physical Review B, 2020, 101, .	1.1	43
289	Anomalous transverse response of <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></m and universality of the room-temperature <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi>Î±</mml:mi><mml:mrow><mml:mi>i</mml:mi><m Physical Review B, 2020, 101, .	1.1	59

#	Article	IF	Citations
290	Structure and strain tunings of topological anomalous Hall effect in cubic noncollinear antiferromagnet Mn3Pt epitaxial films. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	11
291	Transport, magnetic and optical properties of Weyl materials. Nature Reviews Materials, 2020, 5, 621-636.	23.3	96
292	Crystal time-reversal symmetry breaking and spontaneous Hall effect in collinear antiferromagnets. Science Advances, 2020, 6, eaaz8809.	4.7	177
293	Tailoring the anomalous Hall effect in the noncollinear antiperovskite <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></ Physical Review B, 2020, 101, .	1.1	15
294	Controlling the magnetic proximity effect and anomalous Hall effect in CoFe₂O₄/Pt by ionic gating. Applied Physics Express, 2020, 13, 063004.	1.1	4
295	Trompe Lâ€™oeil Ferromagnetism. Npj Quantum Materials, 2020, 5, .	1.8	21
296	Crystal Hall and crystal magneto-optical effect in thin films of SrRuO3. Journal of Applied Physics, 2020, 127, .	1.1	37
297	Electrical nucleation, displacement, and detection of antiferromagnetic domain walls in the chiral antiferromagnet Mn3Sn. Communications Physics, 2020, 3, .	2.0	21
298	Review on spintronics: Principles and device applications. Journal of Magnetism and Magnetic Materials, 2020, 509, 166711.	1.0	711
299	Spontaneous Hall effect enhanced by local Ir moments in epitaxial Pr2Ir2O7 thin films. Physical Review B, 2020, 101, .	1.1	17
300	Spintronics on chiral objects. Applied Physics Letters, 2020, 116, .	1.5	39
301	Giant Anomalous Hall Conductivity at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Cr</mml:mi></mml:math> ₂ O ₃ Interface. Physical Review Applied, 2020, 13, .	1.5	14
302	Manipulating anomalous Hall antiferromagnets with magnetic fields. Physical Review B, 2020, 101, .	1.1	19
303	Controllable Thickness Inhomogeneity and Berry Curvature Engineering of Anomalous Hall Effect in SrRuO₃ Ultrathin Films. Nano Letters, 2020, 20, 2468-2477.	4.5	74
304	Creation of magnetic skyrmions by surface acoustic waves. Nature Nanotechnology, 2020, 15, 361-366.	15.6	62
305	Spin-Canting-Induced Band Reconstruction in the Dirac Material Ca1â^'xNaxMnBi2. Physical Review Letters, 2020, 124, 137201.	2.9	11
306	Magneto-optical Kerr effect in a non-collinear antiferromagnet Mn3Ge. Applied Physics Letters, 2020, 116, .	1.5	31
307	Realization of the kagome spin ice state in a frustrated intermetallic compound. Science, 2020, 367, 1218-1223.	6.0	35

#	Article	IF	Citations
308	Unconventional free charge in the correlated semimetal Nd2Ir2O7. Nature Physics, 2020, 16, 1194-1198.	6.5	11
309	Neuromorphic computing with antiferromagnetic spintronics. Journal of Applied Physics, 2020, 128, .	1.1	40
310	Momentum-Dependent Magnon Lifetime in the Metallic Noncollinear Triangular Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CrB</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review Letters, 2020, 125, 027202.	2.9	7
311	Interplay of Magnetism and Topological Superconductivity in Bilayer Kagome Metals. Physical Review Letters, 2020, 125, 026401.	2.9	12
312	Spontaneous magnetic bubbles and large topological Hall effect in Mn3-xFexSn compound. Scripta Materialia, 2020, 187, 268-273.	2.6	7
313	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal Co2MnAl. Nature Communications, 2020, 11, 3476.	5.8	127
314	Magnetic damping enhancement in L1₂-ordered Mn₃Ir/Fe₂₀Ni₈₀ bilayers. Applied Physics Express, 2020, 13, 073001.	1.1	2
315	Real-space Berry curvature of itinerant electron systems with spin-orbit interaction. Physical Review B, 2020, 101, .	1.1	31
316	Electricâ€Fieldâ€Controlled Antiferromagnetic Spintronic Devices. Advanced Materials, 2020, 32, e1905603.	11.1	86
317	From negative to positive magnetoresistance in the intrinsic magnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MnB</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	1.1	23
318	Elliptical Bloch skyrmion chiral twins in an antiskyrmion system. Nature Communications, 2020, 11, 1115.	5.8	92
319	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear 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>Ge. Physical Review B, 2020, 101,	1.1	68
320	Helimagnetic Structure and Heavy-Fermion-Like Behavior in the Vicinity of the Quantum Critical Point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></m mathvariant="normal">P</mml:mi></mml:mrow></mml:math>. Physical Review Letters, 2020, 124, 087202.	2.9	6
321	Magnetic Damping Modulation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrMn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></m via the Magnetic Spin Hall Effect. Physical Review Letters, 2020, 124, 087204.	2.9	44
322	Fabrication and evaluation of highly c-plane oriented Mn3Sn thin films. AIP Advances, 2020, 10, 015310.	0.6	15
323	Structural and magnetic properties of Mn3Ge films with Pt and Ru seed layers. AIP Advances, 2020, 10, .	0.6	7
324	Effect of sample size on anomalous Nernst effect in chiral antiferromagnetic Mn3Sn devices. Applied Physics Letters, 2020, 116, .	1.5	15
325	Magnetism and anomalous transport in the Weyl semimetal PrAlGe: possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, .	1.8	78

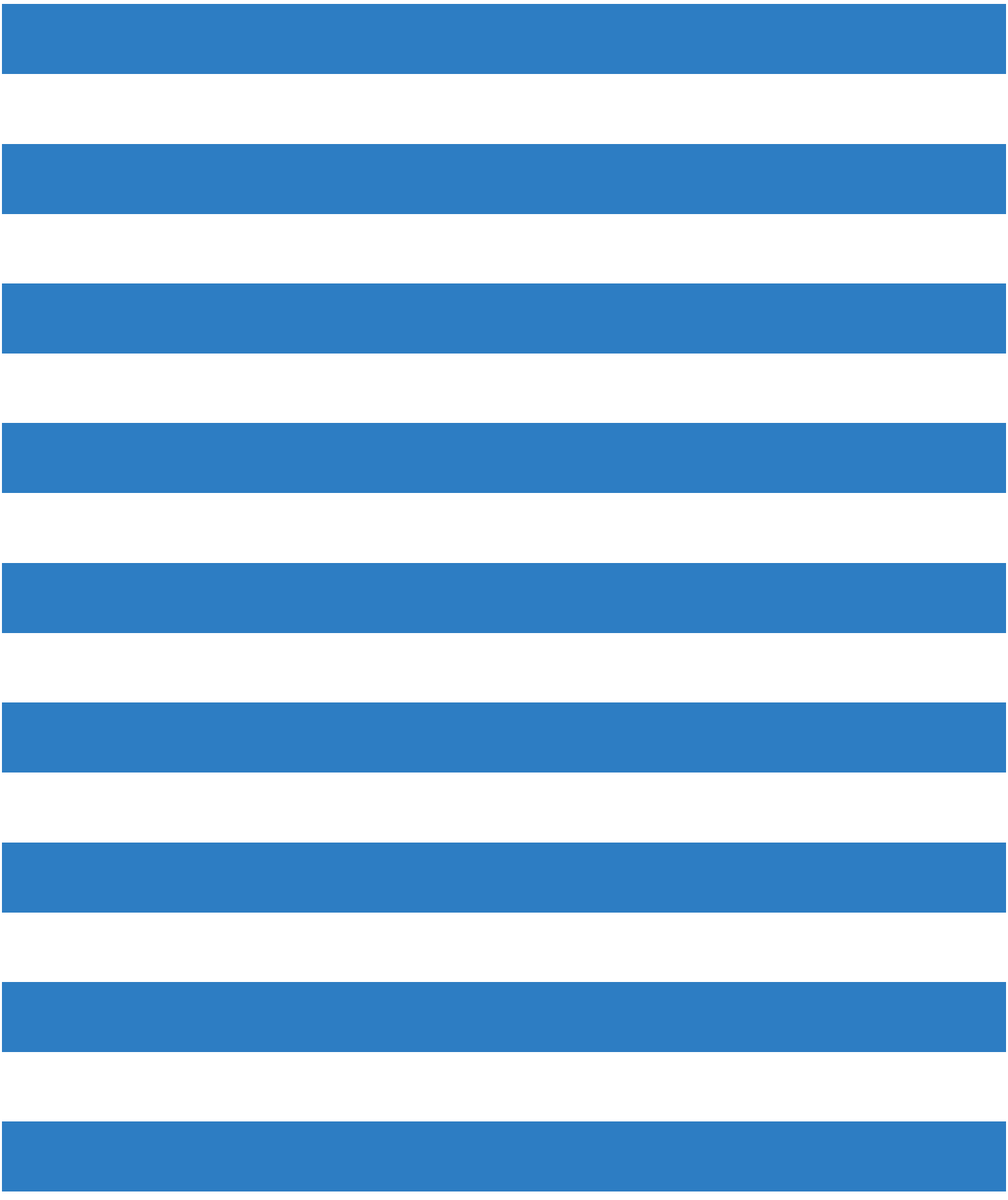
#	Article	IF	Citations
326	Antiferromagnetic Topological Insulator with Nonsymmorphic Protection in Two Dimensions. Physical Review Letters, 2020, 124, 066401.	2.9	57
327	Nonlinear Anomalous Hall Effect for NÃ©el Vector Detection. Physical Review Letters, 2020, 124, 067203.	2.9	52
328	Room-temperature terahertz anomalous Hall effect in Weyl antiferromagnet Mn3Sn thin films. Nature Communications, 2020, 11, 909.	5.8	70
329	Butterfly-shaped magnetoresistance in triangular-lattice antiferromagnet Ag2CrO2. Scientific Reports, 2020, 10, 2525.	1.6	6
330	Evidence from transport measurements for YRh6Ge4 being a triply degenerate nodal semimetal. Physical Review B, 2020, 101, .	1.1	4
331	Field-sweep-rate and time dependence of transverse resistivity anomalies in ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrRu</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> films. Physical Review B, 2020, 101, .	1.1	12
332	Seeing is believing: visualization of antiferromagnetic domains. Npj Quantum Materials, 2020, 5, .	1.8	62
333	Magnetic moment distribution in nanosized antiferromagnetic NiO. Journal of Applied Physics, 2020, 127, 023902.	1.1	13
334	Exchange bias and anomalous Hall effect in a wide temperature range of 5â€“300â€‰K in non-collinear antiferromagnetic Mnâ€“Crâ€“Sn alloy. Journal Physics D: Applied Physics, 2020, 53, 155002.	1.3	0
335	Large anomalous Hall effect in L12-ordered antiferromagnetic Mn3Ir thin films. Applied Physics Letters, 2020, 116, .	1.5	41
336	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. Nature Communications, 2020, 11, 559.	5.8	112
337	Optimization of ruthenium as a buffer layer for non-collinear antiferromagnetic Mn3X films. Journal of Applied Physics, 2020, 127, 165302.	1.1	5
338	Crystal Structure and Magnetic Properties of the Ferromagnet CoMnSb. , 2020, , .		2
339	Dynamical density and spin response of Fermi arcs and their consequences for Weyl semimetals. Physical Review B, 2020, 101, .	1.1	9
340	Large Nernst Effect and Thermodynamics Properties in Weyl Antiferromagnet. , 2020, , .		1
341	Sample Quality Dependence of the Magnetic Properties in Non-Collinear Antiferromagnet Mn₃Sn. , 2020, , .		0
342	Electric field induced modulation of transverse resistivity anomalies in ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrRu</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> epitaxial films. Physical Review B, 2020, 101, .	1.1	8
343	Spinâ€Dependent Thermoelectric Transport in Cobaltâ€Based Heusler Alloys. Annalen Der Physik, 2020, 532, 1900456.	0.9	18

#	Article	IF	Citations
344	Epitaxial growth and orientation-dependent anomalous Hall effect of noncollinear antiferromagnetic Mn3Ni0.35Cu0.65N films. Journal of Applied Physics, 2020, 127, 113907.	1.1	4
345	Spin transmission in IrMn through measurements of spin Hall magnetoresistance and spin-orbit torque. Physical Review B, 2020, 101, .	1.1	11
346	Exceptionally large anomalous Hall effect due to anticrossing of spin-split bands in the antiferromagnetic half-Heusler compound TbPtBi. Physical Review B, 2020, 101, .	1.1	24
347	Large anomalous Hall effect in a hexagonal ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> single	1.1	18
348	Effects of Fe substitution on Mn2Sn alloy on its structural, magnetic and magnetocaloric properties. Journal of Magnetism and Magnetic Materials, 2020, 505, 166676.	1.0	3
349	Iron-based binary ferromagnets for transverse thermoelectric conversion. Nature, 2020, 581, 53-57.	13.7	162
350	Complicated magnetic structure and its strong correlation with the anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>3</m Physical Review B, 2020, 101, .	1.1	17
351	Magnetic Properties in Tetragonal Antiferromagnet CeCoSi. , 2020, , .		6
352	Anomalous Hall Effect, Robust Negative Magnetoresistance, and Memory Devices Based on a Noncollinear Antiferromagnetic Metal. ACS Nano, 2020, 14, 6242-6248.	7.3	34
353	Electrical manipulation of a topological antiferromagnetic state. Nature, 2020, 580, 608-613.	13.7	212
354	Spin-torque switching of noncollinear antiferromagnetic antiperovskites. Physical Review B, 2020, 101, .	1.1	21
355	Topological Quantum Materials from the Viewpoint of Chemistry. Chemical Reviews, 2021, 121, 2780-2815.	23.0	70
356	Beyond skyrmions: Review and perspectives of alternative magnetic quasiparticles. Physics Reports, 2021, 895, 1-28.	10.3	307
357	Quenching of an antiferromagnet into high resistivity states using electrical or ultrashort optical pulses. Nature Electronics, 2021, 4, 30-37.	13.1	31
358	Magnetic properties and anomalous Hall effect in antiferromagnetic Mn3Sn films. Physica B: Condensed Matter, 2021, 604, 412692.	1.3	6
359	The topology of electronic band structures. Nature Materials, 2021, 20, 293-300.	13.3	81
360	Electronic Structure: Metals and Insulators. , 2021, , 1-73.		0
361	Anomalous Hall resistivity and possible topological Hall effect in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>EuAl</mml:mi><mml:mn>4</mml:mn></mml:msub> antiferromagnet. Physical Review B, 2021, 103, .	1.1	48

#	Article	IF	Citations
362	Distinguishing antiferromagnetic spin sublattices via the spin Seebeck effect. Physical Review B, 2021, 103, .	1.1	10
363	Chirality-induced linear response properties in noncoplanar <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></m Physical Review B, 2021, 103, .	1.1	8
364	Sign reversal of anomalous Hall conductivity and magnetoresistance in cubic noncollinear 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></m thin films. Physical Review Materials, 2021, 5, .	0.9	9
365	Domain structure and domain wall dynamics in topological chiral antiferromagnets from the viewpoint of magnetic octupole. Applied Physics Letters, 2021, 118, .	1.5	6
366	Shubnikov-de-Haas oscillation and possible modification of effective mass in CeTe3 thin films. AIP Advances, 2021, 11, 015005.	0.6	6
367	Magnetic and Electronic Properties of Weyl Semimetal Co2MnGa Thin Films. Nanomaterials, 2021, 11, 251.	1.9	21
368	Giant anomalous Hall effect from spin-chirality scattering in a chiral magnet. Nature Communications, 2021, 12, 317.	5.8	40
369	Structure and magnetic properties of RAlSi (R = light rare earth)*. Chinese Physics B, 2021, 30, 075102.	0.7	1
370	Optical Hall response in spin-orbit coupled metals: Comparative study of magnetic cluster monopole, quadrupole, and toroidal orders. Physical Review B, 2021, 103, .	1.1	5
371	Giant topological Hall effect around room temperature in noncollinear ferromagnet NdMn2Ge2 single crystal. Applied Physics Letters, 2021, 118, .	1.5	18
372	Omnidirectional Control of Large Electrical Output in a Topological Antiferromagnet. Advanced Functional Materials, 2021, 31, 2008971.	7.8	26
373	Pressure-controlled anomalous Hall conductivity in the half-Heusler antiferromagnet GdPtBi. Physical Review B, 2021, 103, .	1.1	7
374	Unconventional Transverse Transport above and below the Magnetic Transition Temperature in Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>EuCd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2021, 126, 076602.	2.9	40
375	Highâ€Pressure Structural Investigation of Anomalous Hall Effect Compound Mn 3 Sn up to 9â€‰GPa. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000605.	1.2	2
376	Magnetic properties and anomalous Hall effect of Mn3Sn thin films controlled by defects and ferroelectric 0.7Pb(Mg1/3Nb2/3)O3â€“0.3PbTiO3 substrate. Rare Metals, 2021, 40, 2862-2867.	3.6	12
377	Spin-texture-driven electrical transport in multi-Q antiferromagnets. Communications Physics, 2021, 4, .	2.0	19
378	First-principles calculations for topological quantum materials. Nature Reviews Physics, 2021, 3, 283-297.	11.9	48
379	Noncollinear ferromagnetic Weyl semimetal with anisotropic anomalous Hall effect. Physical Review B, 2021, 103, .	1.1	42

#	Article	IF	Citations
380	Colossal anomalous Nernst effect in a correlated noncentrosymmetric kagome ferromagnet. Science Advances, 2021, 7, .	4.7	61
381	Crossover from diffusive to superfluid transport in frustrated magnets. Physical Review B, 2021, 103, .	1.1	4
382	2Dâ€Berryâ€Curvatureâ€Driven Large Anomalous Hall Effect in Layered Topological Nodalâ€Line MnAlGe. Advanced Materials, 2021, 33, e2006301.	11.1	28
383	Spin-orbit torques: Materials, physics, and devices. Applied Physics Letters, 2021, 118, .	1.5	100
384	Density Functional Theory Approach for Muon Sites Estimation in Mn₃Sn. Materials Science Forum, 0, 1028, 199-203.	0.3	0
385	Low Gilbert damping in epitaxial thin films of the nodal-line semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>D</mml:mi><mml:msub><mml:mn>0</mml:mn><mml:mn><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Ga</mml:mi></mml:math>. Physical Review B, 2021, 103, .	1.1	5
386	Weyl, Dirac and high-fold chiralÂfermions in topological quantum matter. Nature Reviews Materials, 2021, 6, 784-803.	23.3	82
387	Large Hall Signal due to Electrical Switching of an Antiferromagnetic Weyl Semimetal State. Small Science, 2021, 1, 2000025.	5.8	16
388	Giant Effective Damping of Octupole Oscillation in an Antiferromagnetic Weyl Semimetal. Small Science, 2021, 1, 2000062.	5.8	20
389	Large anomalous Hall effect in the kagome ferromagnet LiMn6Sn6. Physical Review B, 2021, 103, .	1.1	35
390	Chiral spintronics. Nature Reviews Physics, 2021, 3, 328-343.	11.9	191
391	Molecular beam epitaxy of PdO on MgO (001). Physical Review Materials, 2021, 5, .	0.9	1
392	Dynamics of local magnetic moments induced by itinerant Weyl electrons. Physical Review B, 2021, 103, .	1.1	16
393	Experimental perspective on three-dimensional topological semimetals. Reviews of Modern Physics, 2021, 93, .	16.4	265
394	A Monomaterial Nernst Thermopile with Hermaphroditic Legs. Advanced Materials, 2021, 33, e2100751.	11.1	16
395	Presence of X-Ray Magnetic Circular Dichroism Signal for Zero-Magnetization Antiferromagnetic State. Physical Review Letters, 2021, 126, 157402.	2.9	8
396	Large anomalous Hall angle accompanying the sign change of anomalous Hall conductance in the topological half-Heusler compound HoPtBi. Physical Review B, 2021, 103, .	1.1	7
397	Large spin to charge conversion in antiferromagnetic Weyl semimetal Mn3Sn. APL Materials, 2021, 9, .	2.2	11

#	Article	IF	Citations
398	Anisotropic magnetic interactions in hexagonal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mi>B</mml:mi></mml:mrow></mml:ma kagome lattice structures: Application to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi		



#	Article	IF	Citations
416	Unconventional anomalous Hall effect from magnetization parallel to the electric field. Physical Review B, 2021, 103, .	1.1	10
417	Correlation of anomalous Hall effect with structural parameters and magnetic ordering in Mn3+xSn1â^'x thin films. AIP Advances, 2021, 11, .	0.6	14
418	Large intrinsic anomalous Hall effect in SrIrO3 induced by magnetic proximity effect. Nature Communications, 2021, 12, 3283.	5.8	34
419	Interface-driven electrical magnetochiral anisotropy in Pt/PtMnGa bilayers. Applied Physics Letters, 2021, 118, 252403.	1.5	1
420	Observation of the Anomalous Hall Effect in NdTiO₃/SrTiO₃ Heterostructures. Journal of Physical Chemistry C, 2021, 125, 12968-12974.	1.5	2
421	Topological Hall effect in the antiferromagnetic Dirac semimetal EuAgAs. Physical Review B, 2021, 103, .	1.1	19
422	Large anomalous Hall effect and spin Hall effect by spin-cluster scattering in the strong-coupling limit. Physical Review B, 2021, 103, .	1.1	12
423	Anomalous Hall effect in the distorted kagome magnets (Nd,Sm) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sn</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	1.1	17
424	Discovery and characterization of a new type of domain wall in a row-wise antiferromagnet. Nature Communications, 2021, 12, 3488.	5.8	7
425	Absence of Hall effect due to Berry curvature in phase space. Scientific Reports, 2021, 11, 12065.	1.6	2
426	Theory of Magnetic-Texture-Induced Anomalous Hall Effect on the Surface of Topological Insulators. Journal of the Physical Society of Japan, 2021, 90, 063703.	0.7	5
427	Negative thermal expansion in magnetic materials. Progress in Materials Science, 2021, 121, 100835.	16.0	62
428	Multiple Magnetic Topological Phases in Bulk van der Waals Crystal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>MnSb</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow><</mml:msub></mml:math>. Physical Review Letters, 2021, 126, 246601.	2.9	31
429	Spin-orbital-momentum locking under odd-parity magnetic quadrupole ordering. Physical Review B, 2021, 104, .	1.1	15
430	Large linear non-saturating magnetoresistance and high mobility in ferromagnetic MnBi. Nature Communications, 2021, 12, 4576.	5.8	22
431	Spin and anomalous Hall effects emerging from topological degeneracy in the Dirac fermion system CuMnAs. Physical Review B, 2021, 104, .	1.1	2
432	Cycling Fermi arc electrons with Weyl orbits. Nature Reviews Physics, 2021, 3, 660-670.	11.9	17
433	Anomalous Magneto-Optical Effects in an Antiferromagnetâ€“Topological-Insulator Heterostructure. Physical Review Applied, 2021, 16, .	1.5	4

#	Article	IF	Citations
434	Roadmap of Spinâ€“Orbit Torques. IEEE Transactions on Magnetics, 2021, 57, 1-39.	1.2	225
435	Charge Density Waves and Electronic Properties of Superconducting Kagome Metals. Physical Review Letters, 2021, 127, 046401.	2.9	238
436	Ferromagnetic-electrodes-induced Hall effect in topological Dirac semimetals. Physical Review Research, 2021, 3, .	1.3	2
437	Layer Hall effect in a 2D topological axion antiferromagnet. Nature, 2021, 595, 521-525.	13.7	136
438	Concurrence of anomalous Hall effect and charge density wave in a superconducting topological kagome metal. Physical Review B, 2021, 104, .	1.1	202
439	Estimation of Magnetic Domain Size in Chiral Antiferromagnet Mn₃Ir by the Anomalous Hall Measurements. Journal of the Magnetics Society of Japan, 2021, 45, 75-78.	0.5	1
440	Anomalous Hall effect in antiferromagnetic Cr thin films. Physical Review B, 2021, 104, .	1.1	11
441	Anomalous Hall effect in ferrimagnetic metal RMn6Sn6 (R = Tb, Dy, Ho) with clean Mn kagome lattice. Applied Physics Letters, 2021, 119, .	1.5	29
442	Electronic nature of chiral charge order in the kagome superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cs</mml:mi><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Sb</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	1.1	108
443	Three-Dimensional Charge Density Wave and Surface-Dependent Vortex-Core States in a Kagome Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mrow><mml:mi>CsV</mml:mi></mml:mrow></mml:mrow><mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2021, 11, .	2.8	176
444	Spin-Orbit-Torque Switching of Noncollinear Antiferromagnetic Antiperovskite Manganese Nitride <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mrow><mml:mi>Ga</mml:mi></mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>. Physical Review Applied, 2021, 16, .	1.5	8
445	Multipole classification in 122 magnetic point groups for unified understanding of multiferroic responses and transport phenomena. Physical Review B, 2021, 104, .	1.1	42
446	Imaging the spin chirality of ferrimagnetic NÃ©el skyrmions stabilized on topological antiferromagnetic <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>. Physical Review Materials, 2021, 5, .	0.9	16
447	Microscopic Theory of Electrically Induced Spin Torques in Magnetic Weyl Semimetals. Journal of the Physical Society of Japan, 2021, 90, 084702.	0.7	9
448	Quantum oscillations, magnetic breakdown and thermal Hall effect in Co₃Sn₂S₂. Journal Physics D: Applied Physics, 2021, 54, 454003.	1.3	12
449	Tunable spin-flop transition in artificial ferrimagnets. Physical Review B, 2021, 104, .	1.1	3
450	Ubiquity of amplitude-modulated magnetic ordering in the Hâ€“T phase diagram of the frustrated non-Fermi-liquid YbAgGe. Physical Review B, 2021, 104, .	1.1	0
451	Weyl-mediated helical magnetism in NdAlSi. Nature Materials, 2021, 20, 1650-1656.	13.3	48

#	Article	IF	Citations
452	Spinâ€“Orbit Torque in Bilayers of Kagome Ferromagnet Fe₃Sn₂ and Pt. Nano Letters, 2021, 21, 6975-6982.	4.5	11
453	Long-range supercurrents through a chiral non-collinear antiferromagnet in lateral Josephson junctions. Nature Materials, 2021, 20, 1358-1363.	13.3	25
454	Nonlinear Hall effects. Nature Reviews Physics, 2021, 3, 744-752.	11.9	104
455	Design strong anomalous Hall effect via spin canting in antiferromagnetic nodal line materials. Physical Review B, 2021, 104, .	1.1	7
456	Control of spin-orbit torques through magnetic symmetry in differently oriented noncollinear antiferromagnetic <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></ Physical Review B, 2021, 104, .	1.1	18
457	Large ultrafast-modulated Voigt effect in noncollinear antiferromagnet Mn3Sn. Nature Communications, 2021, 12, 5266.	5.8	13
458	Spin Pumping of an Easy-Plane Antiferromagnet Enhanced by Dzyaloshinskiiâ€“Moriya Interaction. Physical Review Letters, 2021, 127, 117202.	2.9	28
459	Magnetic transition and the associated exchange bias, transport properties in Mn_{2.1}FeSn_{0.9} alloy. Journal Physics D: Applied Physics, 2021, 54, 505001.	1.3	3
460	High-throughput design of magnetic materials. Electronic Structure, 2021, 3, 033001.	1.0	23
461	Helical versus collinear antiferromagnetic order tuned by magnetic anisotropy in polar and chiral <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi>Ni Physical Review Materials, 2021, 5, .	2.9	5
463	Nodal Lines and Boundary Modes in Topological Dirac Semimetals with Magnetism. Journal of the Physical Society of Japan, 2021, 90, 094702.	0.7	1
464	Topological aspects of antiferromagnets. Journal Physics D: Applied Physics, 2022, 55, 103002.	1.3	36
465	Thickness dependent anomalous Hall effect in noncollinear antiferromagnetic Mn3Sn polycrystalline thin films. Journal of Alloys and Compounds, 2021, 874, 159910.	2.8	14
466	Determination of spin chirality using x-ray magnetic circular dichroism. Physical Review B, 2021, 104, .	1.1	4
467	Pressure and magnetic field-induced transport effects in Ni45.4Mn40In14.6 alloy. Physica Scripta, 0, , .	1.2	1
468	X-ray study of ferroic octupole order producing anomalous Hall effect. Nature Communications, 2021, 12, 5582.	5.8	10
469	Metal-insulator transition and intermediate phases in the kagome lattice Hubbard model. Physical Review B, 2021, 104, .	1.1	9
470	Anisotropic Nodalâ€Lineâ€Derived Large Anomalous Hall Conductivity in ZrMnP and HfMnP. Advanced Materials, 2021, 33, 2104126.	11.1	4

#	Article	IF	Citations
471	Non-reciprocal magnetoresistance, directional inhomogeneity and mixed symmetry Hall devices. Applied Physics Letters, 2021, 119, 102405.	1.5	2
472	Recent Progress on 2D Kagome Magnets: Binary T_mSn_n (T = Fe,) Tj ETQq1 1 0.784314 rgBT /	1.8	13
473	Observation of large exchange bias above room temperature in antiferromagnetic hexagonal Mn3Ga. Journal of Magnetism and Magnetic Materials, 2021, 536, 168109.	1.0	7
474	Critical behavior and magnetocaloric effect of the ferromagnetic Weyl semimetal candidate Co2â”ZrSn single crystals. Journal of Alloys and Compounds, 2021, 886, 161118.	2.8	6
475	WloopPHI: A tool for ab initio characterization of Weyl semimetals. Computer Physics Communications, 2022, 270, 108147.	3.0	5
476	Large anomalous Hall angle in a topological semimetal candidate TbPtBi. Applied Physics Letters, 2021, 118, .	1.5	15
477	Robust anomalous Hall effect and temperature-driven Lifshitz transition in Weyl semimetal Mn₃Ge. Nanoscale, 2021, 13, 2601-2608.	2.8	17
478	Giant spin Hall angle in the Heusler alloy Weyl ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2	3.2	42
479	Anomalous transport due to Weyl fermions in the chiral antiferromagnets Mn3X, Xâ€‰=â€‰Sn, Ge. Nature Communications, 2021, 12, 572.	5.8	90
480	Prototype fabrication and performance evaluation of a thermoelectric module operating with the Nernst effect. IScience, 2021, 24, 101967.	1.9	12
481	Physical problems and experimental progress in layered magnetic topological materials. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 127302.	0.2	3
482	Giant Piezospintronic Effect in a Noncollinear Antiferromagnetic Metal. Advanced Materials, 2020, 32, e2002300.	11.1	33
483	Perspectives of electrically generated spin currents in ferromagnetic materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126228.	0.9	67
484	Abnormal peak of angular-dependent Hall effect as an indicator for skyrmion in perpendicular magnetic anisotropy system. Applied Physics Letters, 2020, 117, .	1.5	4
485	Magnetotransport and magnetic properties of the layered noncollinear antiferromagnetic Cr₂Se₃ single crystals. Journal of Physics Condensed Matter, 2020, 32, 475801.	0.7	11
486	Evolution of diverse Hall effects during the successive magnetic phase transitions in Mn2.5Fe0.6Sn0.9 Kagome-lattice alloy. Journal of Physics Condensed Matter, 2021, 33, 115803.	0.7	2
487	Pressure-induced superconductivity in a shandite compound Pd3Pb2Se2 with the Kagome lattice. New Journal of Physics, 2020, 22, 123013.	1.2	10
488	Scaling the electrical current switching of exchange bias in fully epitaxial antiferromagnet/ferromagnet bilayers. Physical Review B, 2020, 102, .	1.1	4

#	Article	IF	Citations
489	Enhancement of the transverse thermoelectric conductivity originating from stationary points in nodal lines. Physical Review B, 2020, 102, .	1.1	23
490	Interfacial Dzyaloshinskii-Moriya interaction of antiferromagnetic materials. Physical Review B, 2020, 102, .	1.1	24
491	Evolution of possible Weyl semimetal states across the Mott transition in pyrochlore iridates induced by hole doping. Physical Review B, 2020, 102, .	1.1	6
492	Charge-spin response and collective excitations in Weyl semimetals. Physical Review B, 2019, 99, .	1.1	15
493	Noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mtext>Sn</mml:mtext></mml:math> films. Physical Review Materials, 2018, 2, .	0.9	58
494	Large enhancement of the spin Hall effect in Mn metal by Sn doping. Physical Review Materials, 2018, 2, .	0.9	11
495	Anomalous Hall conductivity of noncollinear magnetic antiperovskites. Physical Review Materials, 2019, 3, .	0.9	50
496	Epitaxial growth, structural characterization, and exchange bias of noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Ir</mml:mi></mml:mrow></mml:math> thin films. Physical Review Materials, 2019, 3, .	0.9	10
497	Anomalous Hall effect in noncollinear antiferromagnetic <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:mi thin films. Physical Review Materials, 2019, 3, .	0.9	44
498	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:mi Physical Review Materials, 2020, 4, .	0.9	17
499	Anomalous Hall and Nernst effects in epitaxial films of topological kagome magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi Physical Review Materials, 2020, 4, .	0.9	20
500	Large anomalous Nernst and inverse spin-Hall effects in epitaxial thin films of kagome semimetal <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:mi Physical Review Materials, 2020, 4, .	0.9	15
501	Unexpected dependence of the anomalous Hall angle on the Hall conductivity in amorphous transition metal thin films. Physical Review Materials, 2020, 4, .	0.9	5
502	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MnB</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	1.3	204
503	Creating Weyl nodes and controlling their energy by magnetization rotation. Physical Review Research, 2019, 1, .	1.3	45
504	Anomalous phase shift in a Josephson junction via an antiferromagnetic interlayer. Physical Review Research, 2019, 1, .	1.3	20
505	Nonlocal annihilation of Weyl fermions in correlated systems. Physical Review Research, 2020, 2, .	1.3	12
506	Cluster multipole dynamics in noncollinear antiferromagnets. Physical Review Research, 2020, 2, .	1.3	16

#	Article	IF	Citations
507	Active learning algorithm for computational physics. Physical Review Research, 2020, 2, .	1.3	14
508	Topological Hall signatures of magnetic hopfions. Physical Review Research, 2020, 2, .	1.3	32
509	Berry curvature engineering by gating two-dimensional antiferromagnets. Physical Review Research, 2020, 2, .	1.3	22
510	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mrow><mml:mn>1</mml:mn> Physical Review Research, 2020, 2, .	1.3	36
511	Berry phase engineering at oxide interfaces. Physical Review Research, 2020, 2, .	1.3	64
512	Microscopic origin of the anomalous Hall effect in noncollinear kagome magnets. Physical Review Research, 2020, 2, .	1.3	17
513	Anomalous Hall effect triggered by pressure-induced magnetic phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -Mn. Physical Review Research, 2020, 2, .	1.3	16
514	Pressure controlled trimerization for switching of anomalous Hall effect in triangular antiferromagnet Mn3Sn. Physical Review Research, 2020, 2, .	1.3	11
515	Anomalous Hall effect in antiferromagnetic/nonmagnetic interfaces. Physical Review Research, 2020, 2, .	1.3	4
516	Competing magnetic phases and fluctuation-driven scalar spin chirality in the kagome metal YMn ₆ Sn ₆. Science Advances, 2020, 6, .	4.7	103
517	Momentum-space and real-space Berry curvatures in Mn$_{3}$Sn. , 2018, 5, .		25
519	Pseudo-gauge fields in Dirac and Weyl materials. Semiconductors and Semimetals, 2021, 108, 195-224.	0.4	4
520	Supercurrents in a topological antiferromagnet. Nature Materials, 2021, 20, 1306-1307.	13.3	0
521	Observation of structural distortion and topological Hall effect in noncollinear antiferromagnetic hexagonal Mn3Ga magnets. Applied Physics Letters, 2021, 119, .	1.5	7
522	Planar triangular <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>3</mml:mn> magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>AgCrSe</mml:mi><mml:mn>2</mml:mn></mml:msub> : Magnetic frustration, short range correlations, and field-tuned anisotropic cycloidal magnetic order. Physical Review B, 2021, 104, .	1.1	13
523	Tuning the spin-flop transition in perpendicularly magnetized synthetic antiferromagnets by swift heavy Fe ions irradiation. Physical Review B, 2021, 104, .	1.1	4
524	Unconventional Anomalous Hall Effect in the Canted Antiferromagnetic Halfâ€Heusler Compound DyPtBi. Advanced Functional Materials, 0, , 2107526.	7.8	6
525	Logarithmic criticality in transverse thermoelectric conductivity of the ferromagnetic topological semimetal CoMnSb. Physical Review B, 2021, 104, .	1.1	3

#	Article	IF	Citations
526	Anomalous Nernst effect in Feâ€“Si alloy films. Applied Physics Letters, 2021, 119, .	1.5	7
527	Magneto-optical spectroscopy on Weyl nodes for anomalous and topological Hall effects in chiral MnGe. Nature Communications, 2021, 12, 5974.	5.8	13
528	Anisotropically large anomalous and topological Hall effect in a kagome magnet. Physical Review B, 2021, 104, .	1.1	23
529	How correlations change the magnetic structure factor of the kagome Hubbard model. Physical Review B, 2021, 104, .	1.1	11
530	Magnetic field-induced non-trivial electronic topology in Fe3â^'xGeTe2. Applied Physics Reviews, 2021, 8, .	5.5	14
531	Anomalous remnant magnetization in dilute antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Gd</mml:mi><mml:mrow><mml:mn>1</mml:mn mathvariant="normal">Y</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2019, 3, .	0.9	2
532	Novel Materials for Quantum Spintronics Phenomena. Journal of the Institute of Electrical Engineers of Japan, 2019, 139, 601-606.	0.0	0
533	The Magnetism of Mn$$_3$$3A (A $$=$$= Pt, Ir, Rh, Sn, Ga, Ge). Springer Theses, 2020, , 103-121.	0.0	0
534	Controllable magnetic anisotropy and spin orientation of a prototypical easy-plane antiferromagnet on a ferromagnetic support. Physical Review B, 2021, 104, .	1.1	7
535	Observation of spontaneous x-ray magnetic circular dichroism in a chiral antiferromagnet. Physical Review B, 2021, 104, .	1.1	8
536	Distinct Quantum Anomalous Hall Ground States Induced by Magnetic Disorders. Physical Review X, 2020, 10, .	2.8	10
537	Room-Temperature Large Terahertz Anomalous Hall Effect in Weyl Antiferromagnet Mn3Sn Thin Film. , 2020, , .		0
538	No. 8ã€€ãƒžãƒ³ã‚¬ãƒ³ (Manganese). Materia Japan, 2020, 59, 125-125.	0.1	0
539	Topological Magnets: Functions Based on Berry Phase and Multipoles. Annual Review of Condensed Matter Physics, 2022, 13, 119-142.	5.2	31
540	Giant magnetoresistance and topological Hall effect in the EuGa₄ antiferromagnet. Journal of Physics Condensed Matter, 2022, 34, 034005.	0.7	14
541	Long-distance spin current transmission in single-crystalline NiO thin films. Applied Physics Express, 2021, 14, 123001.	1.1	3
542	GdV₆Sn₆: A Multi-carrier Metal with Non-magnetic 3d-electron Kagome Bands and 4f-electron Magnetism. Journal of the Physical Society of Japan, 2021, 90, .	0.7	15
543	Planar Hall effect caused by the memory of antiferromagnetic domain walls in Mn3Ge. Applied Physics Letters, 2020, 117, .	1.5	7

#	Article	IF	Citations
544	Current-induced switching of a ferromagnetic Weyl semimetal Co2MnGa. Applied Physics Letters, 2021, 119, .	1.5	7
545	Giant field-like torque by the out-of-plane magnetic spin Hall effect in a topological antiferromagnet. Nature Communications, 2021, 12, 6491.	5.8	41
546	Quantum Transport Evidence of Topological Band Structures of Kagome Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>CsV</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:mrow></mml:math> Physical Review Letters, 2021, 127, 207002.	2.9	74
547	Spin Hall effect in noncollinear kagome antiferromagnets. Physical Review B, 2021, 104, .	1.1	9
548	Observation of large intrinsic anomalous Hall conductivity in polycrystalline Mn3Sn films. Journal of Physics and Chemistry of Solids, 2022, 161, 110489.	1.9	6
549	Noncollinear spin structure with weak ferromagnetism in NbMnP. Physical Review B, 2021, 104, .	1.1	3
550	Manipulation of crystalline structure, magnetic performance, and topological feature in Mn3Ge films. APL Materials, 2021, 9, .	2.2	4
551	Giant Magneto-Transport Properties Induced by Spin Fluctuations in MnGe. Springer Theses, 2021, , 53-76.	0.0	0
552	Essential model parameters for nonreciprocal magnons in multisublattice systems. Physical Review B, 2022, 105, .	1.1	9
553	Noncollinear spin state and unusual magnetoresistance in ferrimagnet Co-Gd. Physical Review Materials, 2022, 6, .	0.9	9
554	A Spinâ€Orbit Torque Ratchet at Ferromagnet/Antiferromagnet Interface via Exchange Spring. Advanced Functional Materials, 2022, 32, .	7.8	8
555	Noninvasive measurements of spin transport properties of an antiferromagnetic insulator. Science Advances, 2022, 8, eabg8562.	4.7	15
556	Systematic Analysis Method for Nonlinear Response Tensors. Journal of the Physical Society of Japan, 2022, 91, .	0.7	26
557	Strain-dependent magnetism and anomalous Hall effect in noncollinear antiferromagnetic Mn3Pt films. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 138, 115141.	1.3	7
558	Electronic Structure: Metals and Insulators. , 2021, , 187-259.		0
559	Atomic disorder and Berry phase driven anomalous Hall effect in a <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> Heusler compound. Physical Review B, 2022, 105, .	1.1	19
560	Electronic structure and physical properties of EuAuAs single crystal. Physical Review B, 2022, 105, .	1.1	10
561	Magnetic Fieldâ€Oriented Electrical Transport Properties in Antiperovskite Mn 3 SnC. Physica Status Solidi - Rapid Research Letters, 0, , 2100614.	1.2	0

#	Article	IF	Citations
562	Antiferromagnetic Î±-MnTe: Molten-Salt-Assisted Chemical Vapor Deposition Growth and Magneto-Transport Properties. Chemistry of Materials, 2022, 34, 873-880.	3.2	13
563	Twofold van Hove singularity and origin of charge order in topological kagome superconductor CsV3Sb5. Nature Physics, 2022, 18, 301-308.	6.5	176
564	Crystal-induced transverse current in collinear antiferromagnetic Î³-FeMn. Applied Physics Letters, 2022, 120, .	1.5	3
565	Epitaxial integration of a perpendicularly magnetized ferrimagnetic metal on a ferroelectric oxide for electric-field control. Rare Metals, 2022, 41, 1554-1562.	3.6	6
566	A density-wave-like transition in the polycrystalline V₃Sb₂ sample with bilayer kagome lattice. Chinese Physics B, 2022, 31, 017106.	0.7	6
567	Anomalous Nernst Effect in Perovskite La_{0.5}Ca_{0.5}CoO₃. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	1
568	Evolution of Electronic Structure in Pristine and Rb-Reconstructed Surfaces of Kagome Metal RbV₃Sb₅. Nano Letters, 2022, 22, 918-925.	4.5	17
569	No observation of chiral flux current in the topological kagome metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CsV</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sb</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	1.1	36
570	Origin of charge density wave in the layered 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, .	1.1	27
571	Large anomalous Nernst effect and nodal plane in an iron-based kagome ferromagnet. Science Advances, 2022, 8, eabk1480.	4.7	35
572	Ferromagnetic helical nodal line and Kane-Mele spin-orbit coupling in kagome metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	1.1	10
573	Ferrimagnetic compensation and its thickness dependence in TbFeCo alloy thin films. Applied Physics Letters, 2022, 120, .	1.5	8
574	Zero-Field NMR for the Pressure-Induced Phase of Î±-Mn. Journal of the Physical Society of Japan, 2022, 91, .	0.7	6
575	Quantum Sensing of Thermoelectric Power in Lowâ€Dimensional Materials. Advanced Materials, 2023, 35, e2106871.	11.1	6
576	Observation of unconventional spin-polarization induced spinâ€“orbit torque in L1₂-ordered antiferromagnetic Mn₃Pt thin films. Applied Physics Express, 2022, 15, 033002.	1.1	2
577	Magnetism and magnetotransport in the kagome antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">Ge</mml:mi></mml:math>. Physical Review B, 2022, 105, .	1.1	6
578	Giant and Tunneling Magnetoresistance in Unconventional Collinear Antiferromagnets with Nonrelativistic Spin-Momentum Coupling. Physical Review X, 2022, 12, .	2.8	41
579	First principles study of magnetic states and the anomalous Hall conductivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mi>Nb</mml:mi><mml:mi mathvariant="normal">S</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> <mml:math		

#	Article	IF	Citations
580	Electronic properties of correlated kagomÃ© metals AV3Sb5 (Aâ€‰=â€‰K, Rb, and Cs): A perspective. Journal of Applied Physics, 2022, 131, .	1.1	15
581	Discovery of Two Families of Vsb-Based Compounds with V-Kagome Lattice. Chinese Physics Letters, 2021, 38, 127102.	1.3	14
582	Structures and physical properties of v-based kagome metals csv₆sb₆ and csv₈sb₁₂ *. Chinese Physics Letters, 2021, 38, 127401.	1.3	9
583	Investigating the Strain Controlled Epitaxial Growth of Mn3ge Film. SSRN Electronic Journal, 0, , .	0.4	0
584	Magnetic Generation and Switching of Topological Quantum Phases in a Trivial Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><mml:mi>EuP</mml:mi></ Physical Review X, 2022, 12, .	2.8	6
585	FeæŽºæ‚å¯¹ç£æ€§æ‹“æ‰‘æææ–™MnAlGeä¸ååˆ‡éœå°”æ•ˆåº”çš„è°ƒæŽ§. Scientia Sinica: Physica, Mechanica Et Astronomica, 2022, , .	0.2	0
586	Self-consistent analysis of doping effect for magnetic ordering in stacked-kagome Weyl system. Physical Review Materials, 2022, 6, .	0.9	5
587	Heusler-based synthetic antiferrimagnets. Science Advances, 2022, 8, eabg2469.	4.7	6
588	Magnetic ground states of a model for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi><mml:msub><mml:mrow><mml:mi>Nb</mml:mi></mml:m mathvariant="normal">S</mml:mi></mml:mrow><mml:mn>6</mml:mn></mml:msub></mml:math> <mml:math		

#	Article	IF	Citations
598	Exchange-biased topological transverse thermoelectric effects in a Kagome ferrimagnet. Nature Communications, 2022, 13, 1091.	5.8	21
599	Complex magnetic structure and spin waves of the noncollinear antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>5</mml:mn> Physical Review B, 2022, 105, .	1.1	11
600	Giant Chern number of a Weyl nodal surface without upper limit. Physical Review B, 2022, 105, .	1.1	4
601	Visualizing the out-of-plane electronic dispersions in an intercalated transition metal dichalcogenide. Physical Review B, 2022, 105, .	1.1	9
602	Anomalous Hall effect in a compensated ferrimagnet: Symmetry analysis for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>3</mml:mn></m Physical Review Research, 2022, 4, .	1.3	8
603	Topological charge-entropy scaling in kagome Chern magnet TbMn6Sn6. Nature Communications, 2022, 13, 1197.	5.8	33
604	Anomalous Hall antiferromagnets. Nature Reviews Materials, 2022, 7, 482-496.	23.3	93
605	Effect of residual strain on magnetic properties and Hall effect in chiral antiferromagnet Mn₃Sn. Journal Physics D: Applied Physics, 2022, 55, 275001.	1.3	6
606	Evolution of ultraflat band in the van der Waals kagome semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pd</mml:mi><mml:mn>3</mml:mn></mml: 		

#	Article	IF	Citations
616	Magnetic particles and strings in iron langasite. Npj Quantum Materials, 2021, 6, .	1.8	2
617	Intrinsic Torques Emerging from Anomalous Velocity in Magnetic Textures. Physical Review Letters, 2021, 127, 277205.	2.9	4
618	Anomalous Hall signatures of nonsymmorphic nodal lines in the doped chromium chalcospinel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>CuCr</mml:mi></mml:mrow><mml:mn>2</ Physical Review B, 2021, 104, .	1.1	2
619	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor. Science Advances, 2021, 7, eabl5381.	4.7	6
620	Magnetic field tuning of valley population in the Weyl phase of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Research, 2022, 4, .	1.3	2
621	Field-tunable toroidal moment and anomalous Hall effect in noncollinear antiferromagnetic Weyl semimetal Co1/3TaS2. Npj Quantum Materials, 2022, 7, .	1.8	13
622	Progress in magnetic alloys with kagome structure: materials, fabrications and physical properties. Journal of Materials Chemistry C, 2022, 10, 7748-7770.	2.7	6
623	Spin-dependent transport in a driven non-collinear antiferromagnetic fractal network. Journal of Physics Condensed Matter, 2022, , .	0.7	0
624	Anisotropic exchange and noncollinear antiferromagnets on a noncentrosymmetric fcc half-Heusler structure. Physical Review B, 2022, 105, .	1.1	3
625	Observation of domain structure in non-collinear antiferromagnetic Mn3Sn thin films by magneto-optical Kerr effect. Applied Physics Letters, 2022, 120, .	1.5	12
626	Rare-earth-free noncollinear metallic ferrimagnets Mn4-xZxN with compensation at room temperature. Acta Materialia, 2022, 234, 118021.	3.8	12
627	Thermal and thermoelectric properties of an antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2022, 105, .	1.1	4
628	Tuning the structural, magnetic, and transport properties of Mn3Ga alloys. Journal of Applied Physics, 2022, 131, .	1.1	6
629	Benchmarking Noise and Dephasing in Emerging Electrical Materials for Quantum Technologies. Advanced Materials, 2023, 35, e2109671.	11.1	9
630	Low-temperature magnetic crossover in the topological kagome magnet TbMn6Sn6. Communications Physics, 2022, 5, .	2.0	12
631	Metallic Nitride and Carbide Perovskites: History and Prospects. ECS Journal of Solid State Science and Technology, 2022, 11, 055002.	0.9	8
632	Tunneling Magnetoresistance in Noncollinear Antiferromagnetic Tunnel Junctions. Physical Review Letters, 2022, 128, .	2.9	35
633	Photon-modulated linear and nonlinear anomalous Hall effects in type-II semi-Dirac semimetals. Physical Review B, 2022, 105, .	1.1	5

#	Article	IF	Citations
634	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, .	1.3	27
635	Evidence for spin swapping in an antiferromagnet. Nature Physics, 2022, 18, 800-805.	6.5	12
636	Quasi-symmetry-protected topology in a semi-metal. Nature Physics, 2022, 18, 813-818.	6.5	15
637	Intrinsic anomalous Hall effect in thin films of topological kagome ferromagnet Fe₃Sn₂. Nanoscale, 2022, 14, 8484-8492.	2.8	7
638	Strong magnetoelastic coupling in <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> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 577 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:m	1.1	6
639	Topological Field-Effect Transistor Based on Quasi-Two-Dimensional Tellurium Flakes. Physical Review Applied, 2022, 17, .	1.5	1
640	Strain-controlled anomalous hall conductivity of 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e298" altimg="si3.svg"><mml:mi>d</mml:mi></mml:math> transition metals. Materials Today Communications, 2022, 31, 103694.	0.9	1
641	Real-space observation of fluctuating antiferromagnetic domains. Science Advances, 2022, 8, .	4.7	2
642	Emergent Topological Hall Effect from Exchange Coupling in Ferromagnetic Cr₂Te₃/Noncoplanar Antiferromagnetic Cr₂Se₃ Bilayers. ACS Nano, 2022, 16, 8974-8982.	7.3	14
643	Sign Change of Spin-Orbit Torque in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>NiO</mml:mi><mml:mo>/</mml:mo><mml:mi>C</mml:mi> Structures. Physical Review Letters, 2022, 128, .	2.9	12
644	Magnetic competition with different spin chiralities in kagome magnets. Journal of Physics: Conference Series, 2022, 2269, 012006.	0.3	0
645	Robust interface-induced unusual anomalous Hall effect in Mn3Sn/Pt bilayers. Rare Metals, 2022, 41, 3012-3018.	3.6	1
646	Unusual magnetic and transport properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>HoMn</mml:mi><mml:mn>6</mml:mn></m kagome magnet. Physical Review Materials, 2022, 6, .	2.4	8
647	Atomic layer epitaxy of kagome magnet Fe3Sn2 and Sn-modulated heterostructures. APL Materials, 2022, 10, .	2.2	5
648	Superconductivity in Kagome Metal YRu₃Si₂ with Strong Electron Correlations. Chinese Physics Letters, 2022, 39, 087401.	1.3	11
649	Anomalous and topological Hall effects of ferromagnetic Fe3Sn2 epitaxial films with kagome lattice. Applied Physics Letters, 2022, 120, .	1.5	6
650	Emergent nematicity and intrinsic versus extrinsic electronic scattering processes 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 Research, 2022, 4, .	1.3	18
651	Structural instability and charge modulations in the kagome superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sb</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	1.1	11

#	Article	IF	Citations
652	Thickness dependence of anomalous Hall and Nernst effects in Ni-Fe thin films. Physical Review B, 2022, 105, .	1.1	11
653	Heusler alloys for metal spintronics. MRS Bulletin, 2022, 47, 593-599.	1.7	20
654	Extrinsic contribution to anomalous Hall effect in chiral antiferromagnetic (111)-oriented L1₂-Mn₃Ir films. Japanese Journal of Applied Physics, 0, , .	0.8	3
655	VERDI: VERsatile DIffractometer with wide-angle polarization analysis for magnetic structure studies in powders and single crystals. Review of Scientific Instruments, 2022, 93, .	0.6	6
656	Setting of the magnetic structure of chiral kagome antiferromagnets by a seeded spin-orbit torque. Science Advances, 2022, 8, .	4.7	25
657	Evidence for Surface Spin Structures from First Order Reversal Curves in Magnetic Topological Semimetals. SSRN Electronic Journal, 0, , .	0.4	0
658	Anomalous Hall effect in the coplanar antiferromagnetic coloring-triangular lattice. Physical Review B, 2022, 106, .	1.1	0
659	Investigating the strain controlled epitaxial growth of Mn3Ge films through thickness modulation. Applied Surface Science, 2022, , 154247.	3.1	0
660	Nonlinear spin Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric collinear magnets. Physical Review B, 2022, 106, .	1.1	18
661	Anomalous Hall effect in nanoscale structures of the antiferromagnetic Weyl semimetal Mn₃Sn at room temperature. Applied Physics Letters, 2022, 121, 013103.	1.5	4
662	Superconductivity and Unconventional Density Waves in Vanadium-based Kagome Materials AV₃Sb₅. Chinese Physics B, 0, , .	0.7	10
663	Magnetic Orderings from Spinâ€“Orbit Coupled Electrons on Kagome Lattice. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
664	Electronic chiralization as an indicator of the anomalous Hall effect in unconventional magnetic systems. Physical Review B, 2022, 106, .	1.1	7
666	Nonlinear nonreciprocal transport in antiferromagnets free from spin-orbit coupling. Physical Review B, 2022, 106, .	1.1	13
667	Perpendicular full switching of chiral antiferromagnetic order by current. Nature, 2022, 607, 474-479.	13.7	50
668	Free energy of twisting spins in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Sn</mml:mi></mml:math>. Physical Review B, 2022, 106, .	1.1	2
669	Antichiral order and spin reorientation transitions of triangle-based antiferromagnets. Physical Review B, 2022, 106, .	1.1	0
670	Hidden Local Symmetry Breaking in a Kagome-Lattice Magnetic Weyl Semimetal. Journal of the American Chemical Society, 2022, 144, 14339-14350.	6.6	8

#	Article	IF	Citations
671	Jahnâ€“Taller distortion on exchange interactions between cations in Mn _x Cu_{1â^'x}Co₂O₄ system. Journal Physics D: Applied Physics, 2022, 55, 435003.	1.3	2
672	Anomalous Nernst Effect in an Antiperovskite Antiferromagnet. Physical Review Applied, 2022, 18, .	1.5	7
673	Time-Dependent Multistate Switching of Topological Antiferromagnetic Order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Sn</mml:mi></mml:math>. Physical Review Applied, 2022, 18, .	1.5	13
674	Efficient perpendicular magnetization switching by a magnetic spin Hall effect in a noncollinear antiferromagnet. Nature Communications, 2022, 13, .	5.8	44
675	Noncollinear Spin Current for Switching of Chiral Magnetic Textures. Physical Review Letters, 2022, 129, .	2.9	12
676	Magnon drag induced by magnon-magnon interactions characteristic of noncollinear magnets. Physical Review B, 2022, 106, .	1.1	1
677	Tuning the transport properties of <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> through the effect of strain on its magnetism. Physical Review B, 2022, 106, .	1.1	5
678	Sign-tunable anisotropic magnetoresistance and electrically detectable dual magnetic phases in a helical antiferromagnet. NPG Asia Materials, 2022, 14, .	3.8	4
679	Rashba-like physics in condensed matter. Nature Reviews Physics, 2022, 4, 642-659.	11.9	44
680	Piezomagnetic switching of the anomalous Hall effect in an antiferromagnet at room temperature. Nature Physics, 2022, 18, 1086-1093.	6.5	25
681	Noncollinear ferrimagnetism and anomalous Hall effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>4</mml:mn><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math> thin films. Physical Review B, 2022, 106, .	1.1	7
682	Topological flat bands in a kagome lattice multiorbital system. Communications Physics, 2022, 5, .	2.0	9
683	All-electrical switching of a topological non-collinear antiferromagnet at room temperature. National Science Review, 2023, 10, .	4.6	29
684	Layer Hall effect induced by hidden Berry curvature in antiferromagnetic insulators. National Science Review, 2024, 11, .	4.6	16
685	Topological magnetsâ€”their basic science and potential applications. AAPPS Bulletin, 2022, 32, .	2.7	3
686	Novel Terahertz Properties of Nanostructured Mn3+0.53Sn Films with Different Crystalline Orientations Driven by Ostwald Ripening on (0001) c-Al2O3. Coatings, 2022, 12, 1201.	1.2	0
687	Topology, skyrmions, and Heusler compounds. MRS Bulletin, 2022, 47, 600-608.	1.7	5
688	High-field Studies on Layered Magnetic and Polar Dirac Metals: Novel Quantum Transport Phenomena Coupled with Spin-valley Degrees of Freedom. Journal of the Physical Society of Japan, 2022, 91, .	0.7	1

#	Article	IF	Citations
689	Structure, magnetism and large anomalous Hall effect of hexagonal MnYSn (Y = Ti, Mn and Fe) ribbons. Journal of Physics and Chemistry of Solids, 2022, 170, 110944.	1.9	3
690	Ruâ€Dopingâ€Induced Spin Frustration and Enhancement of the Roomâ€Temperature Anomalous Hall Effect in La_{2/3}Sr_{1/3}MnO₃ Films. Advanced Materials, 2022, 34, .	11.1	6
691	Noncollinear Antiferromagnetic Spintronics. , 0, 1, .		4
692	Probing Magnetic Anisotropy in Kagome Antiferromagnetic Mn$_3$Ge with Torque Magnetometry. SSRN Electronic Journal, 0, , .	0.4	0
693	Efecto Hall cristalino en el antiferromagnÃ©tico colineal no convencional NiF2. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2022, 46, 617-627.	0.0	0
694	Magneto-optical Kerr effect and magnetoelasticity in a weakly ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>RuF</mml:mi></mml:mrow><mml:mn>4</mml:mn> monolayer. Physical Review B, 2022, 106, .	3.7	2
695	Determination of spin Hall angle in the Weyl ferromagnet <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:mn> by taking into account the thermoelectric contributions. Physical Review Materials, 2022, 6, .	3.1	5
696	Spin-generation in magnetic Weyl semimetal Co2MnGa across varying degree of chemical order. Applied Physics Letters, 2022, 121, .	1.5	3
697	Tunable topological Dirac surface states and van Hove singularities in kagome metal GdV ₆ Sn ₆. Science Advances, 2022, 8, .	4.7	33
698	Dual disorder-driven magnetic dynamics in GdCu2 superantiferromagnetic nanoparticles. Journal of Nanoparticle Research, 2022, 24, .	0.8	1
699	Anisotropic magnetotransport properties coupled with spiral spin modulation in a magnetic semimetal EuZnGe. Physical Review Materials, 2022, 6, .	0.9	2
700	Observation of Vector Spin Seebeck Effect in a Noncollinear Antiferromagnet. Physical Review Letters, 2022, 129, .	2.9	13
701	Generalization of microscopic multipoles and cross-correlated phenomena by their orderings. Journal of Physics Condensed Matter, 2022, 34, 464002.	0.7	11
702	Magnetization switching in polycrystalline Mn3Sn thin film induced by self-generated spin-polarized current. Nature Communications, 2022, 13, .	5.8	16
703	Intrinsically enhanced anomalous Hall conductivity and Hall angle in Sb-doped magnetic Weyl semimetal Co3Sn2S2. APL Materials, 2022, 10, .	2.2	2
704	Probing magnetic anisotropy in Kagome antiferromagnetic Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e795" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Ge with torque magnetometry. Journal of Magnetism and Magnetic Materials, 2022, , 170018.	1.0	0
705	Shubnikovâ€“de Haas oscillations and nontrivial topological states in Weyl semimetal candidate SmAlSi. Journal of Physics Condensed Matter, 2022, 34, 485701.	0.7	8
706	Giant and Robust Anomalous Nernst Effect in a Polycrystalline Topological Ferromagnet at Room Temperature. Advanced Functional Materials, 2022, 32, .	7.8	10

#	Article	IF	Citations
707	Spin Hall magnetoresistance of CoFe2O4/Pt heterostructures with interface non-collinear magnetic configurations. Applied Physics Letters, 2022, 121, .	1.5	1
708	Site Split of Antiferromagnetic Î±-Mn Revealed by ⁵⁵Mn Nuclear Magnetic Resonance. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
709	Chemical bonding principles in magnetic topological quantum materials. , 2022, , .		0
711	Magnetic phase diagram and vanishing topological Hall effect in the chiral antiferromagnet Co_{2â^'x}Pd_xMo₃N. Japanese Journal of Applied Physics, 2022, 61, 120901.	0.8	2
712	Large topological Hall effect and in situ observation of magnetic domain structures in the Mn2FeSn compound. Materials Today Physics, 2022, 29, 100871.	2.9	2
713	Magnetic interactions in AB-stacked kagome lattices: Magnetic structure, symmetry, and duality. Physical Review B, 2022, 106, .	1.1	5
714	Intrinsic anomalous Hall effect and Lifshitz transition in a ferromagnetic kagome-lattice metal. Applied Physics Letters, 2022, 121, .	1.5	3
715	Synthesis of antiferromagnetic Weyl semimetal Mn3Ge on insulating substrates by electron beam assisted molecular beam epitaxy. APL Materials, 2022, 10, .	2.2	2
716	Chiral Spin Textures for Next-Generation Memory and Unconventional Computing. ACS Applied Electronic Materials, 2022, 4, 5088-5097.	2.0	4
717	Tuning of topological properties in the strongly correlated 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></m via Fe doping. Physical Review B, 2022, 106, .	1.1	5
718	Correlated electronic structure of the kagome metal <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 Physical Review B, 2022, 106, .	1.1	8
719	Electric Ferro-Axial Moment as Nanometric Rotator and Source of Longitudinal Spin Current. Journal of the Physical Society of Japan, 2022, 91, .	0.7	16
720	Noncollinear Mn3Sn for antiferromagnetic spintronics. Materials Today Physics, 2022, 28, 100878.	2.9	6
721	Topological states in correlated electronic systems. Scientia Sinica: Physica, Mechanica Et Astronomica, 2023, 53, 267009.	0.2	0
722	An anomalous Hall effect in altermagnetic ruthenium dioxide. Nature Electronics, 2022, 5, 735-743.	13.1	68
723	Large Spin Hall Conductivity in Epitaxial Thin Films of Kagome Antiferromagnet Mn₃Sn at Room Temperature. Advanced Quantum Technologies, 2023, 6, .	1.8	3
724	Visualization of Tunable Weyl Line in Aâ€“A Stacking Kagome Magnets. Advanced Materials, 2023, 35, .	11.1	2
725	Unconventional magnetoresistance and electronic transition in <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></m Weyl semimetal. Physical Review B, 2022, 106, .	1.1	6

#	Article	IF	Citations
726	Tuning the Hall response of a noncollinear antiferromagnet via spin-transfer torques and oscillating magnetic fields. Physical Review Research, 2022, 4, .	1.3	2
727	Three-state nematicity and magneto-optical Kerr effect in the charge density waves in kagome superconductors. Nature Physics, 2022, 18, 1470-1475.	6.5	65
728	Magnetic field-induced nontrivial spin chirality and large topological Hall effect in kagome magnet ScMn6Sn6. Applied Physics Letters, 2022, 121, .	1.5	4
729	Epitaxial Growth of Single-Layer Kagome Nanoflakes with Topological Band Inversion. ACS Nano, 2022, 16, 21079-21086.	7.3	2
730	Simultaneous formation of two-fold rotation symmetry with charge order in the kagome superconductor <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> by optical polarization rotation measurement. Physical Review B, 2022, 106, .	1.1	29
731	Anomalous Hall conductivity control in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math> antiperovskite by epitaxial strain along the kagome plane. Physical Review B, 2022, 106, .	1.1	7
732	Fermi-level flat band in a kagome magnet. , 2022, 1, .		9
733	Electrical and thermal transport properties of kagome metals AV3Sb5 (Aâ€‰=â€‰K, Rb, Cs). Tungsten, 2023, 5, 300-316.	2.0	1
734	Single crystal growth of topological semimetals and magnetic topological materials. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 038103.	0.2	2
735	Anomalous Hall effect in antiferromagnetic perovskites. Physical Review B, 2022, 106, .	1.1	6
736	Electrical detection of domain evolution in 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:msub></mml:mrow><mml:mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> submicrometer-wide wire devices. Physical Review Materials, 2022, 6, .	0.9	4
737	Creating and controlling Dirac fermions, Weyl fermions, and nodal lines in the magnetic antiperovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Eu</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:math> Physical Review Materials, 2022, 6, .	0.9	1
738	Topological Hall Effect Anisotropy in Kagome Bilayer Metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:math> Physical Review Letters, 2022, 129, .	2.9	5
739	Extrinsic to intrinsic mechanism crossover of anomalous Hall effect in the Ir-doped MnPtSn Heusler system. Physical Review B, 2022, 106, .	1.1	1
740	Quantum anomalous Hall effect in perfectly compensated collinear antiferromagnetic thin films. Physical Review B, 2022, 106, .	1.1	3
741	Spin-neutral tunneling anomalous Hall effect. Physical Review B, 2022, 106, .	1.1	7
742	All-electrical reading and writing of spin chirality. Science Advances, 2022, 8, .	4.7	0
743	Topological kagome magnets and superconductors. Nature, 2022, 612, 647-657.	13.7	82

#	Article	IF	Citations
744	Spectroscopic evidence of flat bands in breathing kagome semiconductor Nb3I8. Communications Materials, 2022, 3, .	2.9	13
745	Epitaxial growth of high quality Mn3Sn thin films by pulsed laser deposition. Applied Physics Letters, 2022, 121, .	1.5	3
746	Intrinsic anomalous Hall conductivity and real space Berry curvature induced topological Hall effect in Ni₂MnGa magnetic shape memory alloy. Journal Physics D: Applied Physics, 2023, 56, 044004.	1.3	5
747	Thin film properties of the non-collinear Weyl antiferromagnet Mn3Sn. Journal of Magnetism and Magnetic Materials, 2022, 564, 170176.	1.0	5
748	Recent development of E-field control of interfacial magnetism in multiferroic heterostructures. Nano Research, 2023, 16, 5983-6000.	5.8	5
749	Antisite disorder and Berry curvature driven anomalous Hall effect in the spin gapless semiconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml:msub> Heusler compound. Physical Review B, 2022, 106, .	1.1	8
750	Sign reversal of the anomalous Hall effect in antiperovskite (110)-oriented Mn_{3.19}Ga_{0.81}N_{1â^'Î´} film. Journal of Applied Physics, 2022, 132, 233902.	1.1	0
751	Antiferromagnetism: An efficient and controllable spin source. Applied Physics Reviews, 2022, 9, .	5.5	14
752	Spin structure and dynamics of the topological semimetal Co3Sn2-xInxS2. Npj Quantum Materials, 2022, 7, .	1.8	4
753	Influence of the surface states on the nonlinear Hall effect in Weyl semimetals. Physical Review B, 2022, 106, .	1.1	4
754	Spin excitations in the kagome-lattice metallic antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mrow><mml:mn>0.89</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mrow><mml:mn>0.11</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">Sn</mml:mi></mml:math>. Physical Review B, 2022, 106, .	1.1	3
755	Bulk generalized Dzyaloshinskii-Moriya interaction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric antiferromagnets. Physical Review B, 2022, 106, .	1.1	0
756	Dramatic Tuning of the Topological Hall Effect in A _x RhO ₂ (AÂ=ÂK, Rb, and Cs) Crystals by Electron Concentration or Cation. Advanced Functional Materials, 0, , 2211214.	7.8	0
757	Enhanced Anomalous Nernst Effect by Tuning the Chemical Potential in the Topological Kagome Ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Sn</mml:mi><mml:mn> Physical Review Applied, 2023, 19, .	1.5	3
758	Stacking-dependent nonreciprocal transport in magnetic skyrmions. Journal of Magnetism and Magnetic Materials, 2023, , 170420.	1.0	0
759	Room-temperature weak collinear ferrimagnet with symmetry-driven large intrinsic magneto-optic signatures. Physical Review B, 2023, 107, .	1.1	2
760	Widely Tunable Berry Curvature in the Magnetic Semimetal Cr₁₊_{Î´}Te₂. Advanced Materials, 2023, 35, .	11.1	11
761	Single crystal growth of topological semimetals and magnetic topological materials. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 038101.	0.2	0

#	Article	IF	Citations
762	First-principles calculation of anomalous Hall and Nernst conductivity by local Berry phase. Physical Review B, 2023, 107, .	1.1	5
763	Octupole-driven magnetoresistance in an antiferromagnetic tunnel junction. Nature, 2023, 613, 490-495.	13.7	40
764	Spin and spin currentâ€"From fundamentals to recent progress. Journal of Applied Physics, 2023, 133, .	1.1	12
765	Flat optical conductivity in the topological kagome magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>TbMn</mml:mi></mml:mrow><mml:mn>6</mml:mn> Physical Review B, 2023, 107, .	1.1	4
766	Spin Hall magnetoresistance in antiferromagnetic Î±-Fe₂O₃/Pt bilayers: Modulation from interface magnetic state. Applied Physics Letters, 2022, 121, 262404.	1.5	1
767	Significant Unconventional Anomalous Hall Effect in Heavy Metal/Antiferromagnetic Insulator Heterostructures. Advanced Science, 0, , 2206203.	5.6	1
768	Topological Hall effect driven by short-range magnetic order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">EuZn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2023, 107, .	1.1	5
769	Thicknessâ€Dependent Topological Hall Effect in 2D Cr₅Si₃ Nanosheets with Noncollinear Magnetic Phase. Advanced Materials, 2023, 35, .	11.1	2
770	Generation of modulated magnetic structures based on cluster multipole expansion: Application to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -Mn and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Co</mml:mi><mml:msub><mml:mi>M</mml:mi><mml:m mathvariant="normal">S</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2023, 107, .	1.1	4
771	Field-induced Lifshitz transition in the magnetic Weyl semimetal candidate PrAlSi. Npj Quantum Materials, 2023, 8, .	1.8	5
772	Anomalous Hall effect in Pt/Al-doped Cr₂O₃ epitaxial film. AIP Advances, 2023, 13, 015035.	0.6	0
773	Room-temperature magnetoresistance in an all-antiferromagnetic tunnel junction. Nature, 2023, 613, 485-489.	13.7	54
774	Topological Hall Effect in Thin Films of an Antiferromagnetic Weyl Semimetal Integrated on Si. ACS Applied Materials & Interfaces, 2023, 15, 7572-7577.	4.0	1
775	Perspectives on field-free spinâ€"orbit torque devices for memory and computing applications. Journal of Applied Physics, 2023, 133, .	1.1	7
776	Multiple Magnetic Phases and Anomalous Hall Effect in Sb_{1.9}Fe_{0.1}Te_{2.85}S_{0.15} Topological Insulators. Journal of Physical Chemistry C, 2023, 127, 2508-2517.	1.5	0
777	Antiferromagnets for Advanced Spintronics. , 2023, , 666-677.		0
778	Topological Magnetotransport and Electrical Switching of Sputtered Antiferromagnetic Ir₂₀Mn₈₀. Chinese Physics B, 0, , .	0.7	0
779	Magnetic and transport properties of chiral antiferromagnetic Co_{2â^'x}Pd_xMo₃N thin films. AIP Advances, 2023, 13, 025138.	0.6	0

#	Article	IF	Citations
780	Bulk evidence of anisotropic s-wave pairing with no sign change in the kagome superconductor CsV3Sb5. Nature Communications, 2023, 14, .	5.8	21
781	Higher-order nonlinear anomalous Hall effects induced by Berry curvature multipoles. Physical Review B, 2023, 107, .	1.1	15
782	Cluster Toroidal Multipoles Formed by Electric-Quadrupole and Magnetic-Octupole Trimers: A Possible Scenario for Hidden Orders in Ca₅Ir₃O₁₂. Journal of the Physical Society of Japan, 2023, 92, .	0.7	6
783	Strikingly reduced critical field in Ti-doped KagomÃ© YMn6Sn5.6Ti0.4 single crystal with large topological Hall effect. Journal of Alloys and Compounds, 2023, 944, 169182.	2.8	2
784	ARPES studies of the ground state electronic properties of the van der Waals transition metal trichalcogenide CoPS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.svg" display="inline" id="d1e439"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>. Chemical Physics Letters, 2023, 823, 140511.	1.2	3
785	Ionic Gating for Tuning Electronic and Magnetic Properties. Annual Review of Materials Research, 2023, 53, 25-51.	4.3	2
786	Noncollinear antiferromagnetic textures driven high-harmonic generation from magnetic dynamics in the absence of spin-orbit coupling. Journal of Physics Condensed Matter, 2023, 35, 125802.	0.7	1
787	Chirality as generalized spinâ€“orbit interaction in spintronics. Physics Reports, 2023, 1009, 1-115.	10.3	30
788	Crystal Structure and Magnetic Properties of HfFe₆Ge₆-Type ErMn_{6â€“x}Co_xGe₆ (x = 0â€“1.45) Alloys. Inorganic Chemistry, 2023, 62, 2625-2636.	1.9	0
789	The 2022 applied physics by pioneering women: a roadmap. Journal Physics D: Applied Physics, 2023, 56, 073001.	1.3	1
790	Impact of Dzyaloshinskii-Moriya and anisotropic exchange interactions on the cubic kagome antiferromagnets <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> and <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>. Physical Review B, 2023, 107, .	1.1	1
791	Intrinsic layer-polarized anomalous Hall effect in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mi>Bi</mml:mi></mml:msub></mml:mrow></mml:math>. Physical Review B, 2023, 107, .	1.1	12
792	Third-order intrinsic anomalous Hall effect with generalized semiclassical theory. Physical Review B, 2023, 107, .	1.1	6
793	Metamagnetic transition and anomalous Hall effect in Mn-based kagomÃ© magnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>R</mml:mi><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Ge</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi>R</mml:mi>	0.9	4
794	Observation of an anomalous Hall effect in single-crystal Mn₃Pt. New Journal of Physics, 2023, 25, 023029.	1.2	7
795	A first-principles study on the multiferroicity of semi-modified X₂M (X = C, Si; M = F, Cl) monolayers. Physical Chemistry Chemical Physics, 2023, 25, 7965-7973.	1.3	0
796	Magnetotransport induced by anomalous Hall effect. Physical Review B, 2023, 107, .	1.1	1
797	Rashba spin-orbit coupling induced modulation of magnetic anisotropy in canted antiferromagnetic heterostructures. Physical Review B, 2023, 107, .	1.1	5

#	Article	IF	Citations
798	Magnetic-field modulation of topological electronic state and emergent magneto-transport in a magnetic Weyl semimetal. Innovation(China), 2023, 4, 100399.	5.2	4
799	Flat Band and â„₂ Topology of Kagome Metal CsTi₃Bi₅. Chinese Physics Letters, 2023, 40, 037102.	1.3	6
800	Imaging real-space flat band localization in kagome magnet FeSn. Communications Materials, 2023, 4, .	2.9	4
801	Giant proximity exchange and flat Chern band in 2D magnet-semiconductor heterostructures. Science Advances, 2023, 9, .	4.7	6
802	Intrinsic magnetic topological materials. Frontiers of Physics, 2023, 18, .	2.4	7
803	Research on Spintronic Functions of Non-Metallic Materials and Its Modulation by External Fields. Journal of the Magnetics Society of Japan, 2023, 47, 28-37.	0.5	0
804	Dzyaloshinskii-Moriya interaction and skyrmions in antiferromagnetic-based heterostructures. Journal of Magnetism and Magnetic Materials, 2023, 572, 170594.	1.0	0
805	Structural Determination, Unstable Antiferromagnetism and Transport Properties of Fe-Kagome Y_{0.5}Fe₃Sn₃ Single Crystals. Chinese Physics Letters, 2023, 40, 047102.	1.3	0
806	Spin-flip-driven anomalous Hall effect and anisotropic magnetoresistance in a layered Ising antiferromagnet. Scientific Reports, 2023, 13, .	1.6	3
807	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>IrF</mml:mi></mml:mrow><mml:mn>4</mml:mn> : From tetrahedral compass model to topological semimetal. Physical Review B, 2023, 107, .	1.1	0
808	High-resolution magnetic imaging by mapping the locally induced anomalous Nernst effect using atomic force microscopy. Applied Physics Letters, 2023, 122, 102401.	1.5	1
809	Superconductivity emerging from a pressurized van der Waals kagome material Pd₃P₂S₈. New Journal of Physics, 2023, 25, 043001.	1.2	4
810	Spontaneous spin momentum locking and anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2023, 107, .	1.1	0
811	Thermal stability of non-collinear antiferromagnetic Mn3Sn nanodot. Applied Physics Letters, 2023, 122, .	1.5	2
812	Exotic Weyl semimetal, emergent Fermi surface, and Lifshitz phase transition. Physical Review B, 2023, 107, .	1.1	0
813	Topological Spin Textures in a Nonâ€Collinear Antiferromagnet System. Advanced Materials, 2023, 35, .	11.1	12
814	Pulse-width dependence of spinâ€“orbit torque switching in Mn₃Sn/Pt thin films. Applied Physics Letters, 2023, 122, 122405.	1.5	0
815	Emergence of spinâ€“charge conversion functionalities due to spatial and time-reversal asymmetries and chiral symmetry. Frontiers in Physics, 0, 11, .	1.0	1

#	Article	IF	Citations
816	Field-linear anomalous Hall effect and Berry curvature induced by spin chirality in the kagome antiferromagnet Mn3Sn. Nature Communications, 2023, 14, .	5.8	11
817	Coherent antiferromagnetic spintronics. Nature Materials, 2023, 22, 684-695.	13.3	29
818	Evidence for surface spin structures from first order reversal curves in Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si96.svg" display="inline" id="d1e456"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si97.svg" display="inline" id="d1e461"> [illegible]	1.0	2
819	Field-tunable Weyl points and large anomalous Hall effect in the degenerate magnetic semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">EuMg</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2023, 107, .	1.1	2
820	Nodal-line and triple point fermion induced anomalous Hall effect in the topological Heusler compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">CrGa</mml:mi></mml:math>. Physical Review B, 2023, 107, .	1.1	7
821	Ultrafast Dynamics of Intrinsic Anomalous Hall Effect in the Topological Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></m Physical Review Letters, 2023, 130, .	2.9	6
822	Atomic Displacements Enabling the Observation of the Anomalous Hall Effect in a Nonâ€Collinear Antiferromagnet. Advanced Materials, 2023, 35, .	11.1	6
823	Temperature-induced anomalous magnetotransport in the Weyl semimetal Mn3Ge. AIP Advances, 2023, 13, .	0.6	1
824	Multiple surface states, nontrivial band topology, and antiferromagnetism in GdAuAl₄Ge₂. Chinese Physics B, 2023, 32, 077401.	0.7	2
825	Out-plane weak ferromagnetism at room temperature in lattice-distortion non-collinear antiferromagnet of single-crystal Mn₃Sn. Chinese Physics B, 0, , .	0.7	0
826	Room-temperature magnetoresistance in a single-layer composite film based on noncollinear antiferromagnetic Mn3Sn. Applied Physics Letters, 2023, 122, .	1.5	5
827	Manipulation of the Topological Ferromagnetic State in a Weyl Semimetal by Spinâ€“Orbit Torque. Nano Letters, 2023, 23, 3394-3400.	4.5	2
828	<i>Ab initio</i> prediction of anomalous Hall effect in antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaCrO</mml:mi><mml:mn>3</mml:mn></mml:msub></ Physical Review B, 2023, 107, .	1.1	4
829	Field-free magnetization switching in CoPt induced by noncollinear antiferromagnetic <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></m Physical Review B, 2023, 107, .	1.3	4
830	Tuning crystal orientation and chiral spin order in Mn₃Ge by annealing process and ion implantation. Nanotechnology, 2023, 34, 315702.	1.3	0
831	In-Plane Anomalous Hall Effect in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math>-Symmetric Antiferromagnetic Materials. Physical Review Letters, 2023, 130, .	2.9	13
832	Spontaneous topological Hall effect induced by non-coplanar antiferromagnetic order in intercalated van der Waals materials. Nature Physics, 2023, 19, 961-968.	6.5	13
833	NiSi: A New Venue for Antiferromagnetic Spintronics. Advanced Materials, 2023, 35, .	11.1	1

#	Article	IF	Citations
834	Large intrinsic anomalous Hall effect in both <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nb</mml:mi><mml:mn>2</mml:mn></mml: and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ta</mml:mi><mml:mn>2</mml:mn></mml:r with collinear antiferromagnetism. Physical Review B, 2023, 107, .	1.1	2
843	Kagome Magnets: The Emerging Materials for Spintronic Memories. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2023, 93, 477-495.	0.8	2
847	Spin-Chirality-Driven Quantum Anomalous and Quantum Topological Hall Effects in Chiral Magnets. Nano Letters, 2023, 23, 5680-5687.	4.5	3
859	NMR Study of Î±-Mn Exhibiting Anomalous Hall Effect under High Pressure. , 2023, , .		0
862	Topological quantum magnets for transverse thermoelectric energy conversion. Materials Chemistry Frontiers, 0, , .	3.2	0
881	Unconventional charge order and superconductivity in kagome-lattice systems as seen by muon-spin rotation. Npj Quantum Materials, 2023, 8, .	1.8	1
884	A handy way to rotate chiral spins. Nature Materials, 2023, 22, 1051-1052.	13.3	0
885	Zero-field-cooling exchange bias up to room temperature in the strained kagome antiferromagnet Mn_{3.1}Sn_{0.9}. Materials Horizons, 2023, 10, 4597-4608.	6.4	1
888	Quantum states and intertwining phases in kagome materials. Nature Reviews Physics, 2023, 5, 635-658.	11.9	2
901	Growth and terahertz conductivity of epitaxial Mn₃Sn thin films. , 2023, , .		0
902	Unconventional octupole dynamics of a non-collinear antiferromagnet driven by spin-orbit torque. , 2023, , .		0
903	Helicity-Dependent Terahertz Emission from a Weyl Semimetal Mn₃Sn. , 2023, , .		0
904	Magnetic imaging by the anomalous Nernst effect using atomic force microscopy. , 2023, , .		0
946	Trompe Lâ€™oeil Ferromagnetismâ€”magnetic point group analysis. Npj Quantum Materials, 2023, 8, .	1.8	2
976	Altermagnetism with non-collinear spins. Npj Quantum Materials, 2024, 9, .	1.8	1
979	Electronic transport probes a hidden state. Nature Physics, 2024, 20, 356-357.	6.5	0