

Anomalous Hall effect

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Citation Report

#	ARTICLE	IF	CITATIONS
6	Realization of a nickel carbon eutectic fixed point with an optimized filling process monitored by the melting-freezing temperature difference measurement. Metrologia, 2005, 42, L5-L9.	0.6	8
7	Anomalous transport in ferromagnetic GaAs/In _x Ga _{1-x} As/GaAs quantum well delta-doped with Mn and C. Optoelectronic and Microelectronic Materials and Devices (COMMAD), Conference on, 2008, , .	0.0	0
8	Charge and spin Hall effect in graphene with magnetic impurities. Europhysics Letters, 2009, 88, 58001.	0.7	9
9	Inverse spin Hall effect and anomalous Hall effect in a two-dimensional electron gas. Europhysics Letters, 2010, 90, 67004.	0.7	23
10	Spin Hall effect goes electrical. Physics Magazine, 2010, 3, .	0.1	1
11	Berry phase effects on electronic properties. Reviews of Modern Physics, 2010, 82, 1959-2007.	16.4	3,479
12	Spin-orbit-coupled Bose-Einstein condensate in a tilted optical lattice. Physical Review A, 2010, 82, .	1.0	46
13	Two-dimensional electron gas with spin-orbit coupling disorder. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2157-2177.	1.3	98
14	Hall effect in a martensitic transformation in Ni-Co-Mn-In Heusler alloys. JETP Letters, 2010, 92, 666-670.	0.4	20
15	Coherent Description of the Intrinsic and Extrinsic Anomalous Hall Effect in Disordered Alloys on an Ab Initio Level. Physical Review Letters, 2010, 105, 266604.	2.9	59
16	Surface-Assisted Spin Hall Effect in Au Films with Pt Impurities. Physical Review Letters, 2010, 105, 216401.	2.9	77
17	Interaction effects and quantum phase transitions in topological insulators. Physical Review B, 2010, 82, .	1.1	122
18	Intrinsic anomalous Hall effect and local polarizabilities. Physical Review B, 2010, 82, .	1.1	6
19	Effective Magnetic Monopoles and Universal Conductance Fluctuations. Physical Review Letters, 2010, 105, 207204.	2.9	7
20	Anomalous Hall effect in the high-temperature ferrimagnetic semiconductors $\langle \text{BaFe} \rangle^2$ Physical Review B, 2010, 82, .	1.1	8
21	Spin-orbit coupling and perpendicular Zeeman field for fermionic cold atoms: Observation of the intrinsic anomalous Hall effect. Physical Review A, 2010, 82, .	1.0	41
22	Anomalous Hall Effect in Disordered Multiband Metals. Physical Review Letters, 2010, 105, 036601.	2.9	54
23	Infrared anomalous Hall effect in $\langle \text{SrRuO} \rangle$ Exploring evidence for crossover to intrinsic behavior. Physical Review B, 2010, 81, .		

#	ARTICLE	IF	CITATIONS
43	Gauge fields in spintronics. Journal of Applied Physics, 2011, 110, .	1.1	92
44	Terahertz magneto-optics of quantum hall effect and anomalous hall effect. , 2011, , .		0
45	Large Topological Hall Effect in a Short-Period Helimagnet MnGe. Physical Review Letters, 2011, 106, 156603.	2.9	485
46	Tuning anomalous Hall conductivity in L1 FePt films by long range chemical ordering. Applied Physics Letters, 2011, 98, .	1.5	43
47	Role of Spin-Flip Transitions in the Anomalous Hall Effect of FePt Alloy. Physical Review Letters, 2011, 106, 117202.	2.9	25
48	Observation of anomalous Hall effect in EuO epitaxial thin films grown by a pulse laser deposition. Applied Physics Letters, 2011, 98, .	1.5	37
49	Spin-density-wave transition of Fe1 zigzag chains and metamagnetic transition of Fe2 in TaFe _{1+y} Te ₃ . Physical Review B, 2011, 84, .	1.1	11
50	Sondheimer oscillation as a signature of surface Dirac fermions. Physical Review B, 2011, 84, .	1.1	14
51	Graphene in a periodically alternating magnetic field: An unusual quantization of the anomalous Hall effect. Physical Review B, 2011, 84, .	1.1	15
52	Excitons and optical absorption on the surface of a strong topological insulator with a magnetic energy gap. Physical Review B, 2011, 84, .	1.1	39
53	Anomalous Hall effect and electron transport in ferromagnetic MnBi films. Journal of Physics Condensed Matter, 2011, 23, 426001.	0.7	10
54	$\frac{R}{R_0} = \frac{1}{1 + \frac{1}{2} \frac{R}{R_0}}$ $\frac{R}{R_0} = \frac{1}{1 + \frac{1}{2} \frac{R}{R_0}}$	1.1	5
55	The phonon Hall effect: theory and application. Journal of Physics Condensed Matter, 2011, 23, 305402.	0.7	38
56	Defect-induced magnetism in undoped wide band gap oxides: Zinc vacancies in ZnO as an example. AIP Advances, 2011, 1, .	0.6	179
57	Ultrasmall Functional Ferromagnetic Nanostructures Grown by Focused Electron-Beam-Induced Deposition. ACS Nano, 2011, 5, 7781-7787.	7.3	105
58	Interface engineering of quantum Hall effects in digital transition metal oxide heterostructures. Nature Communications, 2011, 2, 596.	5.8	395
59	Chern Semimetal and the Quantized Anomalous Hall Effect in HgCr_2Se_4 . Physical Review Letters, 2011, 107, 186806.	2.9	1,227
60	New directions in spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3027-3036.	1.6	32

#	ARTICLE	IF	CITATIONS
61	Calculating condensed matter properties using the KKR-Green's function method—recent developments and applications. Reports on Progress in Physics, 2011, 74, 096501.	8.1	803
62	Effective quantum pseudospin-1/2 model for Yb pyrochlore oxides. Journal of Physics: Conference Series, 2011, 320, 012065.	0.3	39
63	Spontaneous Quantum Hall States and Novel Luttinger Liquids in Chiral Graphene. Journal of Physics: Conference Series, 2011, 334, 012002.	0.3	8
64	Magnetotransport in Tb ₂ Fe ₁₇ single crystals. Journal of Physics: Conference Series, 2011, 303, 012019.	0.3	0
65	Terahertz Frequency Magnetoelectric Phenomena in Condensed Matter. , 2011, , .		0
66	Surfaces get hairy. Nature Physics, 2011, 7, 673-674.	6.5	43
67	Phonon Hall effect in ionic crystals in the presence of static magnetic field. European Physical Journal B, 2011, 81, 197-202.	0.6	15
68	Electronic and transport properties of disordered transition—metal alloys. Physica Status Solidi (B): Basic Research, 2011, 248, 2248-2265.	0.7	13
69	Relativistic Anandan quantum phase in the Lorentz violation background. Annalen Der Physik, 2011, 523, 910-918.	0.9	54
70	Epitaxial Mn-doped ZnO diluted magnetic semiconductor thin films grown by plasma-assisted molecular-beam epitaxy. Journal of Crystal Growth, 2011, 314, 97-103.	0.7	29
71	Terahertz Faraday rotation induced by an anomalous Hall effect in the itinerant ferromagnet SrRuO ₃ . Europhysics Letters, 2011, 95, 17002.	0.7	42
72	Topological quantum phase transitions of attractive spinless fermions in a honeycomb lattice. Europhysics Letters, 2011, 93, 37008.	0.7	16
73	The giant anomalous Hall effect in the ferromagnet Fe ₃ Sn ₂ —a frustrated kagome metal. Journal of Physics Condensed Matter, 2011, 23, 112205.	0.7	72
74	Interface states in two-dimensional electron systems with spin—orbital interaction. Journal of Physics Condensed Matter, 2011, 23, 395601.	0.7	1
75	<i>Ab—Initio</i> Theory of the Scattering-Independent Anomalous Hall Effect. Physical Review Letters, 2011, 107, 106601.	2.9	68
76	Scattering universality classes of side jump in the anomalous Hall effect. Physical Review B, 2011, 83, .	1.1	55
77	Random fan-out state induced by site-random interlayer couplings. Physical Review B, 2011, 84, .	1.1	15
78	Anomalous Nernst and anisotropic magnetoresistive heating in a lateral spin valve. Physical Review B, 2011, 84, .	1.1	63

#	ARTICLE	IF	CITATIONS
79	Dynamical spin Hall conductivity in a magnetic disordered system. Physical Review B, 2011, 84, . Spin-chiral domains in Ba $\text{Sr}_{0.5}\text{Mn}_2\text{MnAl}$	1.1	10
80	Magnetotransport properties of CuMnAl MnAl , CoMnGe , and CoMnSi MnSi	1.1	29
81	Quantum anomalous Hall states in the $\text{p-orbital honeycomb}$ optical lattices. Physical Review A, 2011, 83, .	1.1	30
82	Anomalous Hall Conductivity from the Dipole Mode of Spin-Orbit-Coupled Cold-Atom Systems. Physical Review Letters, 2011, 107, 195302.	1.0	53
83	Modeling of thermal spin transport and spin-orbit effects in ferromagnetic/nonmagnetic mesoscopic devices. Physical Review B, 2011, 84, .	2.9	39
84	Quantum fluctuations in the effective pseudospin- $1/2$ for magnetic pyrochlore oxides. Physical Review B, 2011, 83, .	1.1	35
85	Quantum thermal Hall effect in graphene. Physical Review B, 2011, 84, .	1.1	149
86	Transverse magnetic heat transport on the surface of a topological insulator. Physical Review B, 2011, 83, .	1.1	18
87	Anisotropic Hysteretic Hall Effect and Magnetic Control of Chiral Domains in the Chiral Spin States of Ir_2O_7 Ir_2O_7 . Physical Review Letters, 2011, 106, 217204.	1.1	53
88	Anomalous Hall effect in NiPt thin films. Journal of Applied Physics, 2011, 110, .	1.1	13
89	Scaling of the anomalous Hall effect in SrRuO_3 SrRuO_3 . Physical Review B, 2011, 84, .	1.1	47
90	Versatile helimagnetic phases under magnetic fields in cubic perovskite SrFeO_3 SrFeO_3 .	1.1	132
91	Surface-Quantized Anomalous Hall Current and the Magnetoelectric Effect in Magnetically Disordered Topological Insulators. Physical Review Letters, 2011, 106, 166802.	2.9	315
92	Berry phase of nonideal Dirac fermions in topological insulators. Physical Review B, 2011, 84, .	1.1	158
93	Scaling relations between anomalous Hall and longitudinal transport coefficients in metallic $(\text{Ga,Mn})\text{As}$ films. Physical Review B, 2011, 83, .	1.1	10
94	Hysteretic magnetic pinning and reversible resistance switching in high-temperature superconductor/ferromagnet multilayers. Physical Review B, 2011, 84, .	1.1	18
95	Spin Hall effect-driven spin torque in magnetic textures. Applied Physics Letters, 2011, 99, 022504.	1.5	10

#	ARTICLE	IF	CITATIONS
97	Extrinsic and Intrinsic Contributions to the Spin Hall Effect of Alloys. Physical Review Letters, 2011, 106, 056601.	2.9	98
98	Influence of disorder on anomalous Hall effect for Heusler compounds. Physical Review B, 2011, 83, .	1.1	41
99	Nambu-Eliashberg theory for multiscale quantum criticality: Application to ferromagnetic quantum criticality in the surface of three-dimensional topological insulators. Physical Review B, 2011, 83, .	1.1	4
100	Scaling of the anomalous Hall current in Fe$_3$Si$_2$ thin films xmins:mml= http://www.w3.org/1998/Math/MathML display="inline"> <mml:mrow> <mml:msub> <mml:mrow>		

#	ARTICLE	IF	CITATIONS
115	Electric field induced changes in the coercivity of a thin-film ferromagnet. Journal Physics D: Applied Physics, 2011, 44, 305001.	1.3	23
116	The quantum anomalous Hall effect in kagomé lattices. Journal of Physics Condensed Matter, 2011, 23, 365801.	0.7	23
117	Physical nature of anomalous peaks observed in extraordinary Hall effect measurement of exchange biased spin-valves with perpendicular anisotropy. Journal of Applied Physics, 2011, 110, 013913.	1.1	2
118	Memory and Spin Injection Devices Involving Half Metals. Journal of Nanomaterials, 2011, 2011, 1-6.	1.5	7
119	The anomalous Hall effect in epitaxial face-centered-cubic cobalt films. Journal of Physics Condensed Matter, 2012, 24, 482001.	0.7	66
120	Anomalous Hall Effect in Ferromagnetic Metals: Role of Phonons at Finite Temperature. Journal of the Physical Society of Japan, 2012, 81, 083704.	0.7	40
121	Flow-Noise Calculation Using the Mutual Coupling Between Vulcanized Rubber and the Flow Around in Water. Chinese Physics Letters, 2012, 29, 064301.	1.3	2
122	Focused electron beam induced deposition: A perspective. Beilstein Journal of Nanotechnology, 2012, 3, 597-619.	1.5	214
123	Spin Hall Effect in Superconductors. Japanese Journal of Applied Physics, 2012, 51, 010110.	0.8	8
124	Demonstration of microwave assisted magnetic reversal in perpendicular media. Journal of Applied Physics, 2012, 111, 07B907.	1.1	37
125	Giant anomalous Hall effect in Fe-based microwires grown by focused-electron-beam-induced deposition. Journal Physics D: Applied Physics, 2012, 45, 035001.	1.3	24
126	Magnetic and electric properties of Ru-substituted CoFe ₂ O ₄ thin films fabricated by pulsed laser deposition. Journal of Applied Physics, 2012, 112, .	1.1	13
127	<i>d</i> carrier induced intrinsic room temperature ferromagnetism in Nb:TiO ₂ film. Applied Physics Letters, 2012, 100, .	1.5	28
128	NONPERTURBATIVE T-MATRIX OPERATOR FOR SPIN-ORBIT SCATTERING BASED ON GENERIC SYMMETRY CONSIDERATION AND ITS RELEVANCE FOR ANOMALOUS AND SPIN HALL EFFECT. International Journal of Modern Physics B, 2012, 26, 1250102.	1.0	0
129	Topological Superconductivity in Bilayer Rashba System. Physical Review Letters, 2012, 108, 147003.	2.9	186
130	Quantum anomalous Hall effect in a flat band ferromagnet. Physical Review B, 2012, 85, .	1.1	45
131	Multiple- q States and the Skyrmion Lattice of the Triangular-Lattice Heisenberg Antiferromagnet under Magnetic Fields. Physical Review Letters, 2012, 108, 017206.	2.9	419
132	Effects of surface and interface scattering on anomalous Hall effect in Co/Pd multilayers. Physical Review B, 2012, 86, .	1.1	68

#	ARTICLE	IF	CITATIONS
133	Nonlinear Anomalous Hall Effect and Negative Magnetoresistance in a System with Random Rashba Field. Physical Review Letters, 2012, 109, 206601.	2.9	15
134	Non-Kondo Mechanism for Resistivity Minimum in Spin Ice Conduction Systems. Physical Review Letters, 2012, 108, 066406.	2.9	42
135	Inhomogeneous longitudinal electric field-induced anomalous Hall conductivity in a ferromagnetic two-dimensional electron gas. Physical Review B, 2012, 86, .	1.1	3
136	Topological Hall Effect in Pyrochlore Lattice with Varying Density of Spin Chirality. Physical Review Letters, 2012, 108, 156601.	2.9	41
137	Quarter-filled honeycomb lattice with a quantized Hall conductance. Physical Review B, 2012, 85, .	1.1	5
138	Berry curvature and the anomalous Hall effect in Heusler compounds. Physical Review B, 2012, 85, .	1.1	79
139	Enhanced spin Hall effect in strong magnetic disorder. Physical Review B, 2012, 86, .	1.1	0
140	Observation of the photoinduced anomalous Hall effect spectra in insulating InGaAs/AlGaAs quantum wells at room temperature. Applied Physics Letters, 2012, 100, .	1.5	18
141	BCS-BEC crossover in spin-orbit-coupled two-dimensional Fermi gases. Physical Review A, 2012, 85, .	1.0	55
142	Anomalous Hall effect in superconductors with spin-orbit interaction. Physical Review B, 2012, 85, .	1.1	11
143	Temperature dependence of the intrinsic anomalous Hall effect in nickel. Physical Review B, 2012, 85, .	1.1	104
144	Metamagnetic transition in $\text{CaMn}_2\text{P}_2\text{O}_7$. Physical Review Letters, 2012, 109, 066402.	1.1	32
145	Chemical Composition Tuning of the Anomalous Hall Effect in Isoelectronic $\text{SrMn}_2\text{P}_2\text{O}_7$ Films. Physical Review Letters, 2012, 109, 066402.	2.9	89
146	Berry curvature and the phonon Hall effect. Physical Review B, 2012, 86, .	1.1	114
147	Elementary formula for the Hall conductivity of interacting systems. Physical Review B, 2012, 86, .	1.1	14
148	Spin-current absorption by inhomogeneous spin-orbit coupling. Physical Review B, 2012, 86, .	1.1	1
149	Spatially anisotropic kagome antiferromagnet with Dzyaloshinskii-Moriya interaction. Physical Review B, 2012, 85, .	1.1	6
150	Charge pumping by magnetization dynamics in magnetic and semimagnetic tunnel junctions with interfacial Rashba or bulk extrinsic spin-orbit coupling. Physical Review B, 2012, 85, .	1.1	29

#	ARTICLE	IF	CITATIONS
151	Evolution of \hat{c} Hybridization and Two-Component Hall Effect in \hat{I}^2	2.9	19
152	Berry phase and anomalous Hall effect in a three-orbital tight-binding Hamiltonian. Physical Review B, 2012, 85, .	1.1	48
153	Higgs transition from a magnetic Coulomb liquid to a ferromagnet in Yb ₂ Ti ₂ O ₇ . Nature Communications, 2012, 3, 992.	5.8	170
154	Spin-Hall Effect and Diamagnetism of Dirac Electrons. Journal of the Physical Society of Japan, 2012, 81, 093704.	0.7	36
155	Characteristics of anomalous Hall effect in spin-polarized two-dimensional electron gases in the presence of both intrinsic, extrinsic, and external electric-field induced spin-orbit couplings. Chinese Physics B, 2012, 21, 027201.	0.7	2
156	Transport properties of defect-controlled Bi ₂ Te ₃ single crystals: fingerprint of surface Dirac electrons. Journal of Physics: Conference Series, 2012, 400, 042033.	0.3	3
157	Gauge fields in real and momentum spaces in magnets: monopoles and skyrmions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 5806-5819.	1.6	69
158	High precision magnetic linear dichroism measurements in (Ca,Mn)As. Review of Scientific Instruments, 2012, 83, 123108.	0.6	16
159	Negative thermal expansion and antiferromagnetism in the actinide oxynictide NpFeAsO. Physical Review B, 2012, 85, .	1.1	34
160	Composite fermion state of spin-orbit-coupled bosons. Physical Review A, 2012, 86, .	1.0	66
161	Theory of the spin Hall effect, and its inverse, in a ferromagnetic metal near the Curie temperature. Physical Review B, 2012, 86, .	1.1	12
162	Magnetic anisotropy and anomalous Hall effect of ultrathin Co/Pd bilayers. Journal of Applied Physics, 2012, 112, .	1.1	17
163	Onsager Relations in a Two-Dimensional Electron Gas with Spin-Orbit Coupling. Physical Review Letters, 2012, 109, 246604.	2.9	24
164	Angular dependence of the Hall effect of La _{0.8} Sr _{0.2} MnO ₃ and MnO	1.1	8
165	Controllable chirality-induced geometrical Hall effect in a frustrated highly correlated metal. Nature Communications, 2012, 3, 1067.	5.8	51
166	Hall effect in the metallic antiferromagnet Na _x CoO ₂ (0.72 ≤ x ≤ 0.90). Physical Review B, 2012, 86, .	1.1	6
167	Magnetoelectric Effects in Superconducting Nanowires with Rashba Spin-Orbit Coupling. Physical Review Letters, 2012, 109, 226804.	2.9	19
168	Parity-violating hydrodynamics in 2 + 1 dimensions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	107

#	ARTICLE	IF	CITATIONS
169	Magnetic effects in a holographic Fermi-like liquid. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43
170	$SL(2, \mathbb{Z})$ action on AdS/BCFT and Hall conductivities. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
171	Novel parity violating transport coefficients in 2 + 1 dimensions from holography. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
172	Hall effect study in antiferromagnets RB6 (R-Pr, Nd). Solid State Sciences, 2012, 14, 1601-1603.	1.5	3
173	Microwave-Assisted Magnetic Reversal in Perpendicular Media. IEEE Magnetics Letters, 2012, 3, 3500104-3500104.	0.6	24
174	Emergence of topological Hall effect from fanlike spin structure as modified by Dzyaloshinsky-Moriya interaction in MnP. Physical Review B, 2012, 86, .	1.1	38
175	Stabilization of Ferromagnetic Order in $La_{0.7}Sr_{0.3}MnO_3$ \hat{c} $SrRuO_3$ Superlattices. Nano Letters, 2012, 12, 4276-4281.	4.5	49
176	Possible route to low current, high speed, dynamic switching in a perpendicular anisotropy CoFeB-MgO junction using Spin Hall Effect of Ta. , 2012, , .		6
177	Hall Effect of Spin-Chirality Origin in a Triangular-Lattice Helimagnet $Fe_{1.3}Sb$. Physical Review Letters, 2012, 108, 056601.	2.9	46
178	Higher order geometric phase for qubits in a bichromatic field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 235501.	0.6	5
179	Coupled Spin and Valley Physics in Monolayers of MoS_2 and Other Group-VI Dichalcogenides. Physical Review Letters, 2012, 108, 196802.	2.9	3,872
180	Ultrafast Magnetic Vortex Core Switching Driven by the Topological Inverse Faraday Effect. Physical Review Letters, 2012, 109, 127204.	2.9	23
181	Magnetically doped semiconducting topological insulators. Journal of Applied Physics, 2012, 112, .	1.1	75
182	Dirac-fermion-mediated ferromagnetism in a topological insulator. Nature Physics, 2012, 8, 729-733.	6.5	316
183	Spintronic oxides grown by laser-MBE. Journal Physics D: Applied Physics, 2012, 45, 033001.	1.3	110
184	Maximally localized Wannier functions: Theory and applications. Reviews of Modern Physics, 2012, 84, 1419-1475.	16.4	2,159
185	High-temperature ferromagnetism in $Si_{1-x}Mn_x$ ($x \approx 0.5$) nonstoichiometric alloys. JETP Letters, 2012, 96, 255-262.	0.4	26
186	Anomalous and spin Hall effects in hcp cobalt from GGA+ U calculations. Physical Review B, 2012, 86, .	1.1	19

#	ARTICLE	IF	CITATIONS
206	Emerging Chirality in Artificial Spin Ice. <i>Science</i> , 2012, 335, 1597-1600.	6.0	107
207	Extended Skyrmion Phase in Epitaxial FeGe	2.9	397
208	Topological thermoelectric effects in spin-orbit coupled electron- and hole-doped semiconductors. <i>Physical Review B</i> , 2012, 85, .	1.1	8
209	Anomalous Hall effect in polycrystalline Ni films. <i>Solid State Communications</i> , 2012, 152, 220-224.	0.9	21
210	Probing the anisotropy constants of SmCo_5 and PrCo_5 by Hall resistance measurements in pulsed high magnetic fields up to 47T. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1711-1714.	1.0	7
211	Anomalous and spin Hall effects in a magnetic tunnel junction with Rashba spin-orbit coupling. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	36
212	Half-Metallic Ferromagnetism with Unexpectedly Small Spin Splitting in the Heusler Compound Co_2FeSi .	2.9	128
213	Orbital magnetism and magnetic anisotropy in thin-film ferromagnets disturbed from the ground state. <i>Physical Review B</i> , 2013, 88, .	1.1	6
214	Intuitions in physics. <i>Synthesis</i> , 2013, 190, 2959-2980.	0.6	13
215	Extraordinary hall effect in Pt- or Ni-based multilayer stacks with strong perpendicular magnetic anisotropy. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1399-1403.	0.3	0
216	Anomalous Hall effect in $(\text{Co}_{41}\text{Fe}_{39}\text{B}_{20})_x(\text{Al-O})_{100-x}$ nanocomposites. <i>JETP Letters</i> , 2013, 97, 473-477.	0.4	11
217	Anyons in Integer Quantum Hall Magnets. <i>Physical Review X</i> , 2013, 3, .	2.8	16
218	Carrier dependent ferromagnetism in chromium doped topological insulator Cr_2Te_3		

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224	Spin Hall Effects in Metals. IEEE Transactions on Magnetism, 2013, 49, 5172-5193.	1.2	927
225	Quantum Transport in Magnetic Topological Insulator Thin Films. Physical Review Letters, 2013, 111, 146802.	2.9	62
226	Magnetic control of the valley degree of freedom of massive Dirac fermions with application to transition metal dichalcogenides. Physical Review B, 2013, 88, .	1.1	121
227	Anomalous Hall effect as the response of the orbital momentum to the gradient of electrochemical potential. Physical Review B, 2013, 88, .	1.1	1
228	Coupling of the angular momentum density with magnetic moments explains the intrinsic anomalous Hall effect. Physical Review B, 2013, 88, .	1.1	9
229	Infrared anomalous Hall effect in CaSrRuO_3 films. Physical Review B, 2013, 88, .	1.1	4
230	Dirac versus Weyl Fermions in Topological Insulators: Adler-Bell-Jackiw Anomaly in Transport Phenomena. Physical Review Letters, 2013, 111, 246603.	2.9	357
231	From magnetically doped topological insulator to the quantum anomalous Hall effect. Chinese Physics B, 2013, 22, 067305.	0.7	35
232	Magnetotransport properties of $\text{FeMn}_{48}\text{Ga}_{24}$. Physical Review B, 2013, 88, .	1.1	22
233	First-principles linear response description of the spin Nernst effect. Physical Review B, 2013, 88, .	1.1	35
234	Current induced torques and interfacial spin-orbit coupling: Semiclassical modeling. Physical Review B, 2013, 87, .	1.1	420
235	Anomalous Hall effect in stoichiometric Heusler alloys with native disorder: A first-principles study. Physical Review B, 2013, 88, .	1.1	47
236	In-plane magnetic textures at the surface of topological insulators. Europhysics Letters, 2013, 104, 17001.	0.7	4
237	Phase-space Berry phases in chiral magnets: Dzyaloshinskii-Moriya interaction and the charge of skyrmions. Physical Review B, 2013, 88, .	1.1	77
238	Detection of Berry's Phase in a Bulk Rashba Semiconductor. Science, 2013, 342, 1490-1493.	6.0	244
239	Theory of Three-Dimensional Topological Insulators. Contemporary Concepts of Condensed Matter Science, 2013, , 35-57.	0.5	3
240	Theoretical Design of Materials and Functions of Topological Insulators and Superconductors. Contemporary Concepts of Condensed Matter Science, 2013, 6, 263-291.	0.5	0
241	Anomalous Hall effect in magnetic disordered alloys: Effects of spin orbital coupling. Journal of Applied Physics, 2013, 114, .	1.1	7

#	ARTICLE	IF	CITATIONS
242	Spin Polarized Electronic Transport in the Heusler Compound Pd_2MnSn . IEEE Transactions on Magnetics, 2013, 49, 4510-4513.	1.2	1
243	Asymmetric Spin Accumulation Induced by the Rashba Spin-Orbit Effect in a Domain Wall Inside a Magnetic Nanowire. IEEE Transactions on Magnetics, 2013, 49, 5199-5203.	1.2	2
244	Gapless spin liquids: Stability and possible experimental relevance. Physical Review B, 2013, 87, .	1.1	26
245	Anomalous Hall effect in epitaxial permalloy thin films. Journal of Applied Physics, 2013, 114, .	1.1	35
246	Existence of a magnetically ordered hole gas at the $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrRuO}_3$ interface. European Physical Journal B, 2013, 86, 1.	0.6	14
247	Oxide magnetic semiconductors: Materials, properties, and devices. Chinese Physics B, 2013, 22, 088505.	0.7	25
248	Spin Hall effect in spin-valley coupled monolayers of transition metal dichalcogenides. Physical Review B, 2013, 88, .	1.1	65
249	Magnetoresistance and anomalous Hall effect of reactive sputtered polycrystalline $\text{Ti}_{1-x}\text{Cr}_x\text{N}$ films. Thin Solid Films, 2013, 542, 348-354.	0.8	7
250	Impact of finite temperatures and correlations on the anomalous Hall conductivity from ab initio theory. New Journal of Physics, 2013, 15, 053009.	1.2	31
251	Electromagnetic and thermal responses in topological matter: Topological terms, quantum anomalies and D-branes. Comptes Rendus Physique, 2013, 14, 871-883.	0.3	17
252	Anti-ordinary Hall effect near the ferromagnetic quantum phase transition in NiPt_{1-x} thin films. Physical Review B, 2013, 87, .	1.1	8
253	Mechanisms of the electron paramagnetic resonance line broadening in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. Journal of Applied Physics, 2013, 113, 17D705.	1.1	7
254	Magnetization and Hall effect studies on the pyrochlore iridate Nd_2O_7 . Physical Review B, 2013, 87, .	1.1	30
255	Metamagnetic Transition in UCoAl Probed by Thermoelectric Measurements. Physical Review Letters, 2013, 110, 116404.	2.9	16
256	Thermally driven spin and charge currents in thin NiFe_2O_4 films. Physical Review B, 2013, 87, .	1.1	105
257	Scattering-independent anomalous Nernst effect in ferromagnets. Physical Review B, 2013, 87, .	1.1	61
258	Bridging semiconductor and magnetism. Journal of Applied Physics, 2013, 113, .	1.1	16
259	Electrochemically driven variation of magnetic properties in ultrathin CoPt films. Journal of Applied Physics, 2013, 113, 143904.	1.1	19

#	ARTICLE	IF	CITATIONS
260	Giant generic topological Hall resistivity of MnSi under pressure. <i>Physical Review B</i> , 2013, 87, .	1.1	98
261	Terahertz spin current pulses controlled by magnetic heterostructures. <i>Nature Nanotechnology</i> , 2013, 8, 256-260.	15.6	476
262	Exchange-Coupling-Induced Symmetry Breaking in Topological Insulators. <i>Physical Review Letters</i> , 2013, 110, 186807.	2.9	284
264	Thin Films of Magnetically Doped Topological Insulator with Carrier-Independent Long-Range Ferromagnetic Order. <i>Advanced Materials</i> , 2013, 25, 1065-1070.	11.1	246
265	Anomalous circular photogalvanic effect of the spin-polarized two-dimensional electron gas in Mg _{0.2} Zn _{0.8} O/ZnO heterostructures at room temperature. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	11
266	Theory of spin Hall magnetoresistance. <i>Physical Review B</i> , 2013, 87, .	1.1	615
268	Negative magnetoresistance and anomalous Hall effect in GeMnTe-SnMnTe spin-glass-like system. <i>Journal of Applied Physics</i> , 2013, 113, 063702.	1.1	14
269	Properties of manganite/ruthenate superlattices with ultrathin layers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 243-257.	1.2	17
270	A General Method To Measure the Hall Effect in Nanowires: Examples of FeS ₂ and MnSi. <i>Nano Letters</i> , 2013, 13, 2704-2709.	4.5	37
271	Topology-Driven Magnetic Quantum Phase Transition in Topological Insulators. <i>Science</i> , 2013, 339, 1582-1586.	6.0	206
272	Experimental Observation of the Quantum Anomalous Hall Effect in a Magnetic Topological Insulator. <i>Science</i> , 2013, 340, 167-170.	6.0	2,821
273	Magnetism and structural distortions in uranium sulfide under pressure. <i>Physical Review B</i> , 2013, 87, .	1.1	11
274	Optical Hall conductivity of systems with gapped spectral nodes. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	11
275	Quantum Anomalous Hall Effect in 2D Organic Topological Insulators. <i>Physical Review Letters</i> , 2013, 110, 196801.	2.9	292
276	Spin rectification enabled by anomalous Hall effect. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	20
277	Anomalous Hall effect in epitaxially grown ferromagnetic FeGa/Fe ₃ Ga hybrid structure: Evidence of spin carrier polarized by clusters. <i>Journal of Applied Physics</i> , 2013, 113, 17C734.	1.1	7
278	A perspective of recent progress in ZnO diluted magnetic semiconductors. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 241-254.	1.1	50
279	Detection of spin currents by a three-terminal zigzag graphene nanoribbon junction. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 035303.	0.7	1

#	ARTICLE	IF	CITATIONS
280	The anomalous Hall effect in the perpendicular Ta/CoFeB/MgO thin films. Journal of Applied Physics, 2013, 113, 17C717.	1.1	10
281	Orbit-induced spin squeezing in a spin-orbit coupled Bose-Einstein condensate. Scientific Reports, 2013, 3, 3166.	1.6	13
282	Unconventional states of bosons with the synthetic spin-orbit coupling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 134001.	0.6	155
283	Defect-induced high-temperature ferromagnetism in Si _{1-x} Mn _x (x ≈ 0.52 [±] 0.55) alloys. Europhysics Letters, 2013, 103, 57014.	0.7	18
284	Topological Magnetoelectric Effect Decay. Physical Review Letters, 2013, 111, 016801.	2.9	14
285	Strain-induced modification in the magnetic properties of Mn ₅ Ge ₃ thin films. Journal of Applied Physics, 2013, 114, .	1.1	17
286	Unconventional Quantum Hall Effect and Tunable Spin Hall Effect in Dirac Materials: Application to an Isolated MoS_2 Trilayer. Physical Review Letters, 2013, 110, 066803.	2.9	152
287	Piezomagnetism of FeSe single crystals. Europhysics Letters, 2013, 103, 47009.	0.7	7
288	Scaling of the anomalous Hall effect in perpendicular CoFeB/Pt multilayers. Journal of Applied Physics, 2013, 113, 17C119.	1.1	16
289	High spin polarization of the anomalous Hall current in Co-based Heusler compounds. New Journal of Physics, 2013, 15, 033014.	1.2	73
290	Quantum Corrections Crossover and Ferromagnetism in Magnetic Topological Insulators. Scientific Reports, 2013, 3, 2391.	1.6	43
291	Field-direction sensitive magnetization reversal in a perpendicularly exchange-coupled system. Journal Physics D: Applied Physics, 2013, 46, 445001.	1.3	5
292	NONVOLATILE FULL ADDER BASED ON A SINGLE MULTIVALUED HALL JUNCTION. Spin, 2013, 03, 1350008.	0.6	8
293	The force law of classical electrodynamics: Lorentz versus Einstein and Laub. Proceedings of SPIE, 2013, , .	0.8	7
294	Terahertz out-of-plane resonances due to spin-orbit coupling. Europhysics Letters, 2013, 104, 27005.	0.7	3
295	Enhancement of anomalous Hall effect in Si/Fe multilayers. Journal Physics D: Applied Physics, 2013, 46, 375003.	1.3	12
296	A spectral algorithm of community identification. Europhysics Letters, 2013, 101, 48001.	0.7	3
297	Ultrahigh Anomalous Hall Sensitivity in Co/Pt Multilayers by Interfacial Modification. Applied Physics Express, 2013, 6, 103007.	1.1	13

#	ARTICLE	IF	CITATIONS
298	Topological Invariants of Metals and the Related Physical Effects. Chinese Physics Letters, 2013, 30, 027101.	1.3	110
299	The Anomalous Hall Effect of $\text{Co}_{2}\text{FeAl}_{0.5}\text{Si}_{0.5}/\text{Pt}$ Multilayers with Perpendicular Magnetic Anisotropy. Applied Physics Express, 2013, 6, 113003.	1.1	15
300	Gate-tunable polarized phase of two-dimensional electrons at the $\text{LaAlO}_{3}/\text{SrTiO}_{3}$ interface. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9633-9638.	3.3	104
301	Anomalous molecular dynamics in the vicinity of a conical intersection. Europhysics Letters, 2013, 101, 43001.	0.7	3
302	HOW TO CONSTRUCT THE PROPER GAUGE-INVARIANT DENSITY MATRIX IN STEADY-STATE NONEQUILIBRIUM: APPLICATIONS TO SPIN-TRANSFER AND SPIN-ORBIT TORQUES. Spin, 2013, 03, 1330002.	0.6	20
303	Anomalous electromagnetic response of superconducting Rashba systems in trivial and topological phases. Physical Review B, 2013, 87, .	1.1	11
304	Anomalous Hall Effect from Frustration-Tuned Scalar Chirality Distribution in $\text{Ir}_{2}\text{O}_{7}$. Physical Review Letters, 2013, 111, 036602.	2.9	80
305	Quantum Oscillations of the Metallic Triangular-Lattice Antiferromagnet PdCrO_{2} . Physical Review Letters, 2013, 111, 176405.	2.9	44
306	Classical version of the non-Abelian gauge anomaly. Physical Review D, 2013, 88, .	1.6	36
307	Intrinsic photoinduced anomalous Hall effect in insulating $\text{GaAs}/\text{AlGaAs}$ quantum wells at room temperature. Applied Physics Letters, 2013, 102, 202408.	1.5	14
308	Ordinary and intrinsic anomalous Hall effects in NbFe_{2} . Physical Review B, 2013, 87, .	1.1	21
309	Charge and spin Hall effect in spin chiral ferromagnetic graphene. Applied Physics Letters, 2013, 103, 132409.	1.5	5
310	Charge-spin-coupled electrical transport properties in $\text{EuMoO}_{3}/\text{SrTiO}_{3}$ superlattices. Physical Review B, 2013, 87, .	1.1	4
311	Engineering quantum anomalous Hall phases with orbital and spin degrees of freedom. Physical Review B, 2013, 87, .	1.1	22
312	Experimental observation of spontaneous spin polarization of electrons in hybridized states of transition element impurities in semiconductors. Low Temperature Physics, 2013, 39, 384-388.	0.2	9
313	Thermodynamic measure of the magnetoelectric coupling in a three-dimensional topological insulator. Physical Review B, 2013, 87, .	1.1	3
314	Large spin splitting in the conduction band of transition metal dichalcogenide monolayers. Physical Review B, 2013, 88, .	1.1	341
315	Extrinsic anomalous Hall conductivity of a topologically nontrivial conduction band. Physical Review B, 2013, 88, .	1.1	13

#	ARTICLE	IF	CITATIONS
316	Structural ordering driven anisotropic magnetoresistance, anomalous Hall resistance, and its topological overtones in full-Heusler Co ₂ MnSi thin films. Journal of Applied Physics, 2013, 113, .	1.1	22
317	Chiral anomaly and classical negative magnetoresistance of Weyl metals. Physical Review B, 2013, 88, .	1.1	1,070
318	Testing dependence of anomalous Hall effect on resistivity in SrRuO ₃ by its increase with electron irradiation. Physical Review B, 2013, 88, .	1.1	2
319	Anomalous Hall effect and magnetoresistance behavior in Co/Pd _{1-x} Ag _x multilayers. Applied Physics Letters, 2013, 102, .	1.5	8
320	Berry phase mechanism for optical gyrotropy in stripe-ordered cuprates. Physical Review B, 2013, 87, .	1.1	58
321	Effect of interfacial structures on anomalous Hall behavior in perpendicular Co/Pt multilayers. Applied Physics Letters, 2013, 102, .	1.5	32
322	Anomalous Hall effect in heavy electron materials. Physical Review B, 2013, 87, .	1.1	12
323	Thermodynamic signatures for topological phase transitions to Majorana and Weyl superfluids in ultracold Fermi gases. Physical Review A, 2013, 87, .	1.0	19
324	Theory of metallic double perovskites with spin-orbit coupling and strong correlations: Application to ferrimagnetic Ba ₂ FeReO ₆ . Physical Review B, 2013, 88, .	1.1	15
325	Interplay between interaction and chiral anomaly: Anisotropy in the electrical resistivity of interacting Weyl metals. Physical Review B, 2013, 87, .	1.1	32
326	Temperature and Co thickness dependent sign change of the anomalous Hall effect in Co/Pd multilayers: An experimental and theoretical study. Applied Physics Letters, 2013, 102, .	1.5	33
327	Crossover of magnetoresistance in the zero-gap half-metallic Heusler alloy Fe ₂ CoSi. Europhysics Letters, 2013, 103, 37011.	0.7	77
328	Topological Insulator Materials. Journal of the Physical Society of Japan, 2013, 82, 102001.	0.7	1,386
329	Magnetic and transport properties of Mn ₂ CoAl oriented films. Applied Physics Letters, 2013, 103, .	1.5	100
330	Large enhancement of emergent magnetic fields in MnSi with impurities and pressure. Physical Review B, 2013, 88, .	1.1	25
331	Electronic Transport in the Coulomb Phase of the Pyrochlore Spin Ice. Physical Review Letters, 2013, 110, 146602.	2.9	23
332	Chiral RKKY interaction in Pr ₂ Ir ₂ O ₇ . Physical Review B, 2013, 88, .	1.1	29
333	Nonplanar ground states of frustrated antiferromagnets on an octahedral lattice. Physical Review B, 2013, 88, .	1.1	21

#	ARTICLE	IF	CITATIONS
334	Extrinsic spin Nernst effect in two-dimensional electron systems. <i>Physical Review B</i> , 2013, 87, .	1.1	15
335	Initial preorder as condition for L1 ordering in ultrathin CoPt films. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	5
336	Recovery of the chemical ordering in L1 MnAl epitaxial thin films irradiated by 2 MeV protons. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	10
337	Spin Hall and spin Nernst effect in dilute ternary alloys. <i>Physical Review B</i> , 2013, 87, .	1.1	17
338	RKKY Interactions and the Anomalous Hall Effect in Metallic Rare-Earth Pyrochlores. <i>Physical Review Letters</i> , 2013, 111, 196601.	2.9	38
339	Charge instabilities and topological phases in the extended Hubbard model on the honeycomb lattice with enlarged unit cell. <i>Physical Review B</i> , 2013, 87, .	1.1	70
340	Unconventional scaling of the anomalous Hall effect accompanying electron localization correction in the dirty regime. <i>Physical Review B</i> , 2013, 87, .	1.1	33
341	Topological aspects in the photonic-crystal analog of single-particle transport in quantum Hall systems. <i>Physical Review A</i> , 2013, 88, .	1.0	5
342	Charge transfer and interfacial magnetism in (LaNiO ₃) _n /(LaMnO ₃) ₂ superlattices. <i>Physical Review B</i> , 2013, 88, .	1.1	93
343	Three-band model for quantum Hall and spin Hall effects. <i>Physical Review B</i> , 2013, 87, .	1.1	13
344	Effective quantum theories for Bloch dynamics in inhomogeneous systems with nontrivial band structure. <i>Physical Review B</i> , 2013, 88, .	1.1	6
345	Extraordinary hall balance. <i>Scientific Reports</i> , 2013, 3, 2087.	1.6	30
346	Anisotropy of spin relaxation and transverse transport in metals. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 163201.	0.7	22
347	Relativistic effects in scattering of polarized electrons. <i>Europhysics Letters</i> , 2013, 103, 47003.	0.7	8
348	Electrically tunable topological state in [111] perovskite materials with an antiferromagnetic exchange field. <i>New Journal of Physics</i> , 2013, 15, 063031.	1.2	63
349	Spontaneous Anomalous and Spin Hall Effects Due to Spin-Orbit Scattering of Evanescent Wave Functions in Magnetic Tunnel Junctions. <i>Physical Review Letters</i> , 2013, 110, 247204.	2.9	33
350	Defects in amorphous phase-change materials. <i>Journal of Materials Research</i> , 2013, 28, 1139-1147.	1.2	40
351	Exploration of Electronic Functionalities in Metal Oxides by Combinatorial Lattice Engineering. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1341-1358.	2.0	8

#	ARTICLE	IF	CITATIONS
352	Quantum, normal and anomalous Hall effect in 2D ferromagnetic structures: GaAs/InGaAs/GaAs quantum well with remote Mn delta-layer. Journal of Physics: Conference Series, 2013, 456, 012001.	0.3	3
353	Hall effect of tetragonal and orthorhombic SrRuO ₃ films. Physica Status Solidi - Rapid Research Letters, 2013, 7, 204-206.	1.2	16
354	Local orbitals approach to the anomalous Hall and Nernst effects in itinerant ferromagnets. EPJ Web of Conferences, 2014, 75, 03005.	0.1	0
355	Contribution of Berry Curvature to Thermoelectric Effects. , 2014, , .		6
356	Anomalous Hall Effect in CeAgSb ₂ . , 2014, , .		0
357	Thickness dependence of the anomalous Hall effect in disordered face-centered cubic FePt alloy films. Chinese Physics B, 2014, 23, 017104.	0.7	2
358	Efficient algorithm to compute the Berry conductivity. New Journal of Physics, 2014, 16, 073016.	1.2	4
359	Reversible Control of Co Magnetism by Voltage-Induced Oxidation. Physical Review Letters, 2014, 113, 267202.	2.9	269
360	In-plane electric properties of [CaMnO ₃ /REMO ₃] (RE = Bi, La M = Fe, Fe _{0.8} Mn _{0.2}) superlattices grown by pulsed laser deposition method. Japanese Journal of Applied Physics, 2014, 53, 05FB20.	0.8	1
361	Epitaxial growth of MnGa/CaAs layers for diodes with spin injection. Physics of the Solid State, 2014, 56, 2131-2134.	0.2	3
362	Nonlinear optical response induced by non-Abelian Berry curvature in time-reversal-invariant insulators. Physical Review B, 2014, 90, .	1.1	24
363	Non-collinear antiferromagnets and the anomalous Hall effect. Europhysics Letters, 2014, 108, 67001.	0.7	270
364	Critical anomalous Hall behavior in Pt/Co/Pt trilayers grown on paper with perpendicular magnetic anisotropy. Applied Physics Letters, 2014, 104, .	1.5	8
365	Chemical reaction at ferromagnet/oxide interface and its influence on anomalous Hall effect. Applied Physics Letters, 2014, 105, 102401.	1.5	8
366	Highly spin-polarized current in Co-substituted Fe ₃ O ₄ epitaxial thin films at room temperature. Journal of Applied Physics, 2014, 116, 213907.	1.1	3
367	Topological metallic phases in spin-orbit coupled bilayer systems. New Journal of Physics, 2014, 16, 123015.	1.2	19
368	Hydrogen-induced anomalous Hall effect in Co-doped ZnO. New Journal of Physics, 2014, 16, 073030.	1.2	7
369	Heat transport as torsional responses and Keldysh formalism in a curved spacetime. Progress of Theoretical and Experimental Physics, 2014, 2014, 123I01-123I01.	1.8	40

#	ARTICLE	IF	CITATIONS
370	Functional Nanostructures Fabricated by Focused Electron/Ion Beam Induced Deposition. Springer Theses, 2014, , .	0.0	9
371	Anomalous Hall effect in amorphous $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$. Physical Review B, 2014, 90, .	1.1	32
372	First-principles study on the relationship between magnetic anisotropy and anomalous Hall effect of bct-Fe ₅₀ Co ₅₀ . Journal of Applied Physics, 2014, 115, .	1.1	0
373	Symmetry breaking via hybridization with conduction electrons in frustrated Kondo lattices. Physical Review B, 2014, 89, .	1.1	7
374	Competition between Kondo screening and magnetism at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Physical Review B, 2014, 90, .	1.1	42
375	Skew scattering in dilute ferromagnetic alloys. Physical Review B, 2014, 90, .	1.1	44
376	Field Induced Positional Shift of Bloch Electrons and Its Dynamical Implications. Physical Review Letters, 2014, 112, 166601.	2.9	181
377	The family of topological phases in condensed matter. National Science Review, 2014, 1, 49-59.	4.6	10
378	Reply to "Comment on Berry phase mechanism for optical gyrotropy in stripe-ordered cuprates". Physical Review B, 2014, 89, .	1.1	0
379	Magnetotransport in ferromagnetic $\text{Mn}_5\text{C}_{0.8}$ thin films. Physical Review B, 2014, 90, .	1.1	20
380	Strain-induced effects on the magnetic and electronic properties of epitaxial $\text{Fe}/\text{Co}/\text{Pt}$ thin films. Physical Review B, 2014, 89, .	1.1	21
381	Galvanomagnetic properties of partially ordered $\text{L}_{1-x}\text{Mn}_x$ alloys. Physical Review B, 2014, 89, .	1.1	1
382	Collective excitations in the metallic triangular antiferromagnet PdCr_2O_7 . Physical Review B, 2014, 90, .	1.1	7
383	Anomalous Hall effect in Co/Ni multilayers with perpendicular magnetic anisotropy. Applied Physics Letters, 2014, 104, .	1.5	18
384	Tuning magnetotransport in PdPt/Y ₃ Fe ₅ O ₁₂ : Effects of magnetic proximity and spin-orbit coupling. Applied Physics Letters, 2014, 105, 012408.	1.5	23
385	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic Y ₃ Fe ₅ O ₁₂ . Applied Physics Letters, 2014, 104, .	1.5	29
386	Graphene in proximity to magnetic insulating LaMnO ₃ . Applied Physics Letters, 2014, 105, 133111.	1.5	13
387	Scaling of the thickness dependent anomalous Hall effect in amorphous ferromagnetic thin films. Journal of Applied Physics, 2014, 115, 17C738.	1.1	4

#	ARTICLE	IF	CITATIONS
388	Systematic study of magnetic linear dichroism and birefringence in (Ga,Mn)As. Physical Review B, 2014, 89, .	1.1	34
389	Anomalous Hall effect in epitaxial $\text{Mn}_{1-x}\text{Ga}_x$ films with variable chemical ordering. Physical Review B, 2014, 89, .	1.1	43
390	Orbital magnetization in dilute ferromagnetic semiconductors. Physical Review B, 2014, 90, .	1.1	4
391	Effect of disorder on the magnetic properties of cubic $\text{Mn}_2\text{Ru}_x\text{Ga}$ compounds: A first-principles study. Journal of Applied Physics, 2014, 116, 033903.	1.1	16
392	Signatures of the helical phase in the critical fields at twin boundaries of noncentrosymmetric superconductors. Physical Review B, 2014, 89, .	1.1	11
393	Fermi sea term in the relativistic linear muffin-tin-orbital transport theory for random alloys. Physical Review B, 2014, 89, .	1.1	34
394	Growth of Metal Silicide Nanowires and Their Spintronic and Renewable Energy Applications. RSC Smart Materials, 2014, , 312-362.	0.1	2
395	Role of axion electrodynamics in a Weyl metal: Violation of Wiedemann-Franz law. Physical Review B, 2014, 90, .	1.1	31
396	Generalized Hund's rule for two-atom systems. Physical Review B, 2014, 90, .	1.1	8
397	Spin depolarization under low electric fields at low temperatures in undoped InGaAs/AlGaAs multiple quantum well. Applied Physics Letters, 2014, 105, 152103.	1.5	11
398	Spin current and inverse spin Hall effect in ferromagnetic metals probed by $\text{Y}_3\text{Fe}_5\text{O}_{12}$ -based spin pumping. Applied Physics Letters, 2014, 104, 202405.	1.5	78
399	Giant Nernst and Hall effects due to chiral superconducting fluctuations. Physical Review B, 2014, 90, .	1.1	19
400	Anomalous Nernst effect of Fe_3O_4 single crystal. Physical Review B, 2014, 90, .	1.1	100
401	Photoinduced sign inversion of the anomalous Hall effect in EuO thin films. Physical Review B, 2014, 89, .	1.1	7
402	Representation of Berry Phase by the Trajectories of Majorana Stars. Physical Review Letters, 2014, 113, 240403.	2.9	43
403	Epitaxial stabilization of ultra thin films of electron doped manganites. Applied Physics Letters, 2014, 104, 202409.	1.5	7
404	How disorder affects the Berry-phase anomalous Hall conductivity: A reciprocal-space analysis. Physical Review B, 2014, 90, .	1.1	21
405	Influence of Ga content on the structure and anomalous Hall effect of $\text{Fe}_{1-x}\text{Ga}_x$ thin films on GaSb(100). Journal of Applied Physics, 2014, 115, 17C742.	1.1	4

#	ARTICLE	IF	CITATIONS
406	Anomalous Hall effect in ferromagnets with Gaussian disorder. Physical Review B, 2014, 89, .	1.1	21
407	Effect of magnetic field on a magnetic topological insulator film with structural inversion asymmetry. Physical Review B, 2014, 89, .	1.1	13
408	Boltzmann equation approach to anomalous transport in a Weyl metal. Physical Review B, 2014, 89, .	1.1	103
409	Hall effect and transmission electron microscopy of epitaxial MnSi thin films. Physical Review B, 2014, 90, .	1.1	36
410	Magnetism of ultrathin Pd ₉₉ /Fe ₀₁ films grown on niobium. Materials Research Express, 2014, 1, 036104.	0.8	15
411	Effect of Number of Bilayers on the Anomalous Hall Effect in [Si/Fe] _N Multilayers. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	2
412	Technological Developments and Future Perspectives on Graphene-Based Metamaterials. Neurosurgery, 2014, 74, 499-516.	0.6	28
413	Ferromagnetic Iron Nanostructures Grown by Focused Electron Beam Induced Deposition. Springer Theses, 2014, , 71-93.	0.0	1
414	Signatures of the Berry curvature in the frequency dependent interlayer magnetoresistance in tilted magnetic fields. Journal of Physics Condensed Matter, 2014, 26, 085801.	0.7	2
415	Anomalous transport phenomena in Weyl metal beyond the Drude model for Landau's Fermi liquids. Science and Technology of Advanced Materials, 2014, 15, 064401.	2.8	23
417	The quantum anomalous Hall effect in a topological insulator thin film "The role of magnetic disorder. Europhysics Letters, 2014, 105, 57004.	0.7	8
418	Galvanomagnetic and thermogalvanomagnetic transport effects in ferromagnetic fcc Co_x from first principles. Physical Review B, 2014, 89, .		
419	Observation of quadrupole helix chirality and its domain structure in DyFe ₃ (BO ₃) ₄ . Nature Materials, 2014, 13, 611-618.	13.3	37
420	Anomalous Hall Effect Arising from Noncollinear Antiferromagnetism. Physical Review Letters, 2014, 112, 017205.	2.9	552
421	Anomalous and Quantum Hall Effects in Lossy Photonic Lattices. Physical Review Letters, 2014, 112, 133902.	2.9	75
422	Quantum Anomalous Hall Effect in Graphene Proximity Coupled to an Antiferromagnetic Insulator. Physical Review Letters, 2014, 112, 116404.	2.9	361
423	Hall conductivity as bulk signature of topological transitions in superconductors. Europhysics Letters, 2014, 105, 37011.	0.7	12
424	Topological response in ferromagnets. Physical Review B, 2014, 89, .	1.1	18

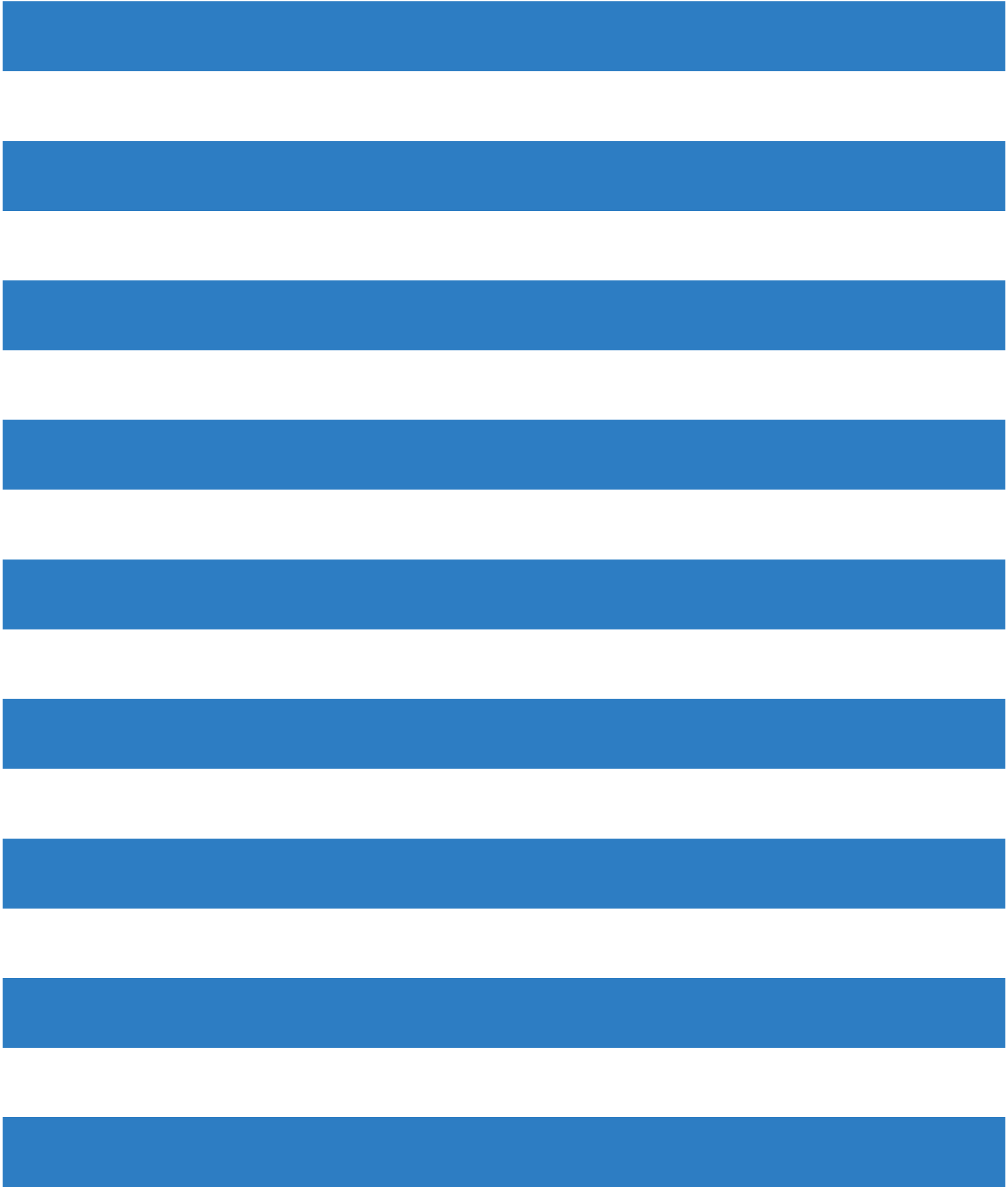
#	ARTICLE	IF	CITATIONS
425	Dilute ferromagnetic semiconductors: Physics and spintronic structures. <i>Reviews of Modern Physics</i> , 2014, 86, 187-251.	16.4	772
426	Effective anomalous Hall coefficient in an ultrathin Co layer sandwiched by Pt layers. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	8
427	Valley-Polarized Quantum Anomalous Hall Effect in Silicene. <i>Physical Review Letters</i> , 2014, 112, 106802.	2.9	316
428	Quantum anomalous Hall effect. <i>National Science Review</i> , 2014, 1, 38-48.	4.6	102
429	GMR, TMR, BMR, and Related Phenomena. , 2014, , 15-106.		3
430	Intrinsic anomalous Hall effect in magnetochiral states. <i>Physical Review B</i> , 2014, 89, .	1.1	5
431	Anomalous Hall response in two-dimensional topological insulators due to the Stark effect. <i>Physical Review B</i> , 2014, 89, .	1.1	0
432	Spin Hall effect clocking of nanomagnetic logic without a magnetic field. <i>Nature Nanotechnology</i> , 2014, 9, 59-63.	15.6	193
433	Room-temperature enantioselective C-H iodination via kinetic resolution. <i>Science</i> , 2014, 346, 451-455.	6.0	198
434	Anomalous Hall Effect in Weyl Metals. <i>Physical Review Letters</i> , 2014, 113, 187202.	2.9	291
435	Half-integer quantum Hall effect of disordered Dirac fermions at a topological insulator surface. <i>Physical Review B</i> , 2014, 90, .	1.1	36
436	Systematic variation of spin-orbit coupling with d -orbital filling: Large inverse spin Hall effect in $3d$ transition metals. <i>Physical Review B</i> , 2014, 90, .	1.1	162
437	Quantum Mechanics with a Momentum-Space Artificial Magnetic Field. <i>Physical Review Letters</i> , 2014, 113, 190403.	2.9	38
438	Spin-orbit torques in Co/Pt(111) and Mn/W(001) magnetic bilayers from first principles. <i>Physical Review B</i> , 2014, 90, .	1.1	164
439	Dependence of dynamic magnetization and magneto-transport properties of FeAlSi films with oblique sputtering studied via spin rectification effect. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	18
440	Scattering mechanisms in textured FeGe thin films: Magnetoresistance and the anomalous Hall effect. <i>Physical Review B</i> , 2014, 90, .	1.1	65
441	Relativistic Néel-Order Fields Induced by Electrical Current in Antiferromagnets. <i>Physical Review Letters</i> , 2014, 113, 157201.	2.9	377
442	Ratchet effect in graphene with trigonal clusters. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	13

#	ARTICLE	IF	CITATIONS
443	Enhanced anomalous Hall effect in Fe nanocluster assembled thin films. Physical Chemistry Chemical Physics, 2014, 16, 16623.	1.3	4
444	Hall effect and the magnetotransport properties of Co ₂ MnSi _{1-x} Al _x Heusler alloys. Journal of Applied Physics, 2014, 115, 043712.	1.1	38
445	Harnessing chirality for valleytronics. Science, 2014, 346, 422-423.	6.0	30
446	Magnetic structure of the conductive triangular-lattice antiferromagnet PdCrO ₂ . Physical Review B, 2014, 89, .	1.1	32
447	Scattering theory of spin-orbit active adatoms on graphene. Physical Review B, 2014, 90, .	1.1	48
448	Thickness dependence of the charge-density-wave transition temperature in VSe ₂ . Applied Physics Letters, 2014, 105, .	1.5	86
449	Electrical Detection of Spin-Polarized Surface States Conduction in (Bi _{0.53} Sb _{0.47}) ₂ Te ₃ Topological Insulator. Nano Letters, 2014, 14, 5423-5429.	4.5	150
450	Electrodynamics in Skyrmions Merging. Journal of the Physical Society of Japan, 2014, 83, 054717.	0.7	12
451	Exploration and prediction of topological electronic materials based on first-principles calculations. MRS Bulletin, 2014, 39, 849-858.	1.7	80
452	Large anomalous Hall effect in ferromagnetic insulator-topological insulator heterostructures. Applied Physics Letters, 2014, 105, .	1.5	109
453	Local Light-Induced Magnetization Using Nanodots and Chiral Molecules. Nano Letters, 2014, 14, 6042-6049.	4.5	88
454	Current-induced pseudospin polarization in silicene. Chinese Physics B, 2014, 23, 098503.	0.7	1
455	Prediction of novel interface-driven spintronic effects. Journal of Physics Condensed Matter, 2014, 26, 315008.	0.7	13
456	Stability of two-dimensional skyrmions in thin films of Mn _{1-x} Fe _x Si investigated by the topological Hall effect. Physical Review B, 2014, 89, .	1.1	73
457	Coupling Theory of Emergent Spin Electromagnetic Field and Electromagnetic Field. Journal of the Physical Society of Japan, 2014, 83, 074710.	0.7	4
458	Spin-Wave Spectrum of the Quantum Ferromagnet on the Pyrochlore Lattice. Physical Review Letters, 2014, 113, 047202.	1.1	43
459	Trajectory of the anomalous Hall effect towards the quantized state in a ferromagnetic topological insulator. Nature Physics, 2014, 10, 731-736.	6.5	517
460	Topological States in Ferromagnetic CdO/EuO Superlattices and Quantum Wells. Physical Review Letters, 2014, 112, 096804.	2.9	70

#	ARTICLE	IF	CITATIONS
461	Detecting topological currents in graphene superlattices. <i>Science</i> , 2014, 346, 448-451.	6.0	619
462	Revisiting galvanomagnetic effects in conducting ferromagnets. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 432201.	0.7	5
463	Scale-Invariant Quantum Anomalous Hall Effect in Magnetic Topological Insulators beyond the Two-Dimensional Limit. <i>Physical Review Letters</i> , 2014, 113, 137201.	2.9	453
464	Realization of the Meminductor. <i>ACS Nano</i> , 2014, 8, 10043-10047.	7.3	30
465	Anomalous Hall effect in two-phase semiconductor structures: The role of ferromagnetic inclusions. <i>Physical Review B</i> , 2014, 90, .	1.1	12
466	Spin-dependent phenomena and device concepts explored in (Ga,Mn)As. <i>Reviews of Modern Physics</i> , 2014, 86, 855-896.	16.4	141
467	The anomalous Hall effect in highly disordered SmCo ₅ thin films. <i>Journal of Alloys and Compounds</i> , 2014, 589, 568-571.	2.8	2
468	Real-space Berry phases: Skyrmion soccer (invited). <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	101
469	An antidamping spin-orbit torque originating from the Berry curvature. <i>Nature Nanotechnology</i> , 2014, 9, 211-217.	15.6	273
470	Spin caloritronics. <i>Energy and Environmental Science</i> , 2014, 7, 885.	15.6	361
471	Anomalous Nernst and Hall effects in magnetized platinum and palladium. <i>Physical Review B</i> , 2014, 89, .	1.1	50
472	Anomalous Hall effect in perpendicular CoFeB thin films. <i>Chinese Physics B</i> , 2014, 23, 047504.	0.7	20
473	Quantum spin Hall effect in a three-orbital tight-binding Hamiltonian. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 295601.	0.7	0
474	Anisotropic magnetothermal transport and spin Seebeck effect. <i>Physical Review B</i> , 2014, 89, .	1.1	29
475	Large topological Hall effect in the non-collinear phase of an antiferromagnet. <i>Nature Communications</i> , 2014, 5, 3400.	5.8	169
476	Anomalous thermospin effect in the low-buckled Dirac materials. <i>Physical Review B</i> , 2014, 90, .	1.1	28
477	Chemically manipulated anomalous Hall effect and perpendicular magnetic anisotropy in Co/Pt multilayers. <i>Applied Surface Science</i> , 2014, 320, 263-266.	3.1	11
478	Intrinsic ferromagnetism in iron doped magnetically topological insulator Fe _{0.015} BiSbTe ₃ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 196, 130-132.	0.8	4

#	ARTICLE	IF	CITATIONS
479	Theoretical modeling and properties of class DIII topological superconductors. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 55, 37-41.	1.3	1
480	Clustering by fast search and find of density peaks. Science, 2014, 344, 1492-1496.	6.0	3,709
481	The valley Hall effect in MoS ₂ transistors. Science, 2014, 344, 1489-1492.	6.0	1,507
482	Voltage-driven magnetic bifurcations in nanomagnet/topological insulator heterostructures. Physical Review B, 2014, 89, .	1.1	23
483	Effects of Vertex Corrections on the Chirality-Driven Anomalous Hall Effect. Journal of the Physical Society of Japan, 2014, 83, 073707.	0.7	17
484	Prediction of a Weyl semimetal in HgCdMn _{1-x-y} alloys. Physical Review B, 2014, 89, .	1.1	23
485	Thermodynamic anomalous Hall effect: The quantum regime. Low Temperature Physics, 2014, 40, 1032-1034.	0.2	2
486	Transport properties of Dirac ferromagnet. Physical Review B, 2014, 90, .	1.1	14
487	Antisymmetric Spin-Orbit Coupling in a d-p Model on a Zigzag Chain. Physics Procedia, 2015, 75, 419-425.	1.2	3
488	Quantum Entanglement in a Spin-Orbit Coupled Bose-Einstein Condensate. Communications in Theoretical Physics, 2015, 64, 644-648.	1.1	1
489	Hall Effect Induced by Spin-Wave Excitation in Metal/Ferromagnetic Insulator Bilayer. Solid State Phenomena, 2015, 233-234, 395-398.	0.3	0
490	Magneto-optical signature of broken mirror symmetry of two-dimensional conductors. JETP Letters, 2015, 102, 743-748.	0.4	2
491	Spintronic Oscillators Based on Spin-Transfer Torque and Spin-Orbit Torque. Handbook of Surface Science, 2015, 5, 297-334.	0.3	2
492	Valley-polarized quantum anomalous Hall phase and disorder-induced valley-filtered chiral edge channels. Physical Review B, 2015, 91, .	1.1	43
493	Valley order and loop currents in graphene on hexagonal boron nitride. Physical Review B, 2015, 91, .	1.1	13
494	Interaction-induced quantum anomalous Hall phase in (111) bilayer of LaCoO ₃ . Physical Review B, 2015, 91, .	1.1	4
495	Efficient conversion of light to charge and spin in Hall-bar microdevices. Physical Review B, 2015, 91, .	1.1	4
496	Intraband and interband spin-orbit torques in noncentrosymmetric ferromagnets. Physical Review B, 2015, 91, .	1.1	64

Article Continuous Hall effect and current spin polarization in Co_2 IF CITATIONS
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>
497



#	ARTICLE	IF	CITATIONS
515	Observation of two distinct negative trions in tungsten disulfide monolayers. Physical Review B, 2015, 92, .	1.1	44
516	Anomalous Hall effect driven by dipolar spin waves in uniform ferromagnets. Physical Review B, 2015, 92, .	1.1	2
517	Emergence of a Chern-insulating state from a semi-Dirac dispersion. Physical Review B, 2015, 92, .	1.1	76
518	Extraordinary Hall resistance and unconventional magnetoresistance in PtBi . Physical Review B, 2015, 92, .	1.1	104
519	Strongly coupled electronic, magnetic, and lattice degrees of freedom in LaCoO_5 under pressure. Physical Review B, 2015, 92, .	1.1	7
520	Anomalous Josephson Hall effect in magnet/triplet superconductor junctions. Physical Review B, 2015, 92, .	1.1	6
521	Noncircular skyrmion and its anisotropic response in thin films of chiral magnets under a tilted magnetic field. Physical Review B, 2015, 92, .	1.1	33
522	Linear response Kubo-Bastin formalism with application to the anomalous and spin Hall effects: A first-principles approach. Physical Review B, 2015, 92, .	1.1	39
523	Topological magnetic phase in $\text{LaMnO}_3/\text{SrTiO}_3$ bilayer. Physical Review B, 2015, 92, .	1.1	133
524	Interplay between disorder and inversion symmetry: Extreme enhancement of the mobility near the Weyl point in BiTeI. Physical Review B, 2015, 92, .	1.1	3
525	Vector spectroscopy for spin pumping. Physical Review B, 2015, 92, .	1.1	13
526	Intermixing of ordinary and anomalous Hall effect in SrRuO_3 . Physical Review B, 2015, 92, .	1.1	11
527	Tailoring of the extrinsic spin Hall effect in disordered metal alloys. Physical Review B, 2015, 92, .	1.1	6
528	Kinetic theory of spin-polarized systems in electric and magnetic fields with spin-orbit coupling. I. Kinetic equation and anomalous Hall and spin-Hall effects. Physical Review B, 2015, 92, .	1.1	8
529	Topological Valley Currents in Gapped Dirac Materials. Physical Review Letters, 2015, 114, 256601.	2.9	85
530	Optical Gyrotropy from Axion Electrodynamics in Momentum Space. Physical Review Letters, 2015, 115, 117403.	2.9	54
531	Four-Dimensional Quantum Hall Effect with Ultracold Atoms. Physical Review Letters, 2015, 115, 195303.	2.9	168
532	Thermally Driven Pure Spin and Valley Currents via the Anomalous Nernst Effect in Monolayer Group-VI Dichalcogenides. Physical Review Letters, 2015, 115, 246601.	2.9	47

#	ARTICLE	IF	CITATIONS
533	Integer and fractional quantum anomalous Hall effect in a strip of stripes model. Physical Review B, 2015, 91, .	1.1	42
534	Topological orbital magnetization and emergent Hall effect of an atomic-scale spin lattice at a surface. Physical Review B, 2015, 92, .	1.1	41
535	Topological spin Hall effect resulting from magnetic skyrmions. Physical Review B, 2015, 92, .	1.1	53
536	Spin-orbit-induced longitudinal spin-polarized currents in nonmagnetic solids. Physical Review B, 2015, 92, .	1.1	23
537	Valley Hall effect in disordered monolayer MoS_2 from first principles. Physical Review B, 2015, 92, .	1.1	23
538	Protection against a spin gap in two-dimensional insulating antiferromagnets with a Chern-Simons term. Physical Review B, 2015, 92, .	1.1	3
539	Helicons in Weyl semimetals. Physical Review B, 2015, 92, .	1.1	55
540	Evaluation of spin diffusion length of AuW alloys using spin absorption experiments in the limit of large spin-orbit interactions. Physical Review B, 2015, 92, .	1.1	13
541	Topological currents in black phosphorus with broken inversion symmetry. Physical Review B, 2015, 92, .	1.1	69
542	Berry Phase Modification to the Energy Spectrum of Excitons. Physical Review Letters, 2015, 115, 166803.	2.9	93
543	Highly Anisotropic Magnon Dispersion in CaMn_2P_2 : Evidence for Strong Spin Orbit Coupling. Physical Review Letters, 2015, 115, 247201.	2.9	34
544	Unified Topological Response Theory For Gapped and Gapless Free Fermions. Physical Review X, 2015, 5, .	2.8	11
545	Control of Dzyaloshinskii-Moriya interaction in $\text{Mn}_1-x\text{Fe}_x\text{Ge}$: a first-principles study. Scientific Reports, 2015, 5, 13302.	1.6	113
546	Manipulating effective spin orbit coupling based on proximity effect in magnetic bilayers. Applied Physics Letters, 2015, 107, .	1.5	15
547	Flexible spin-orbit torque devices. Applied Physics Letters, 2015, 107, .	1.5	26
548	Controlling and probing non-abelian emergent gauge potentials in spinor Bose-Fermi mixtures. Nature Communications, 2015, 6, 8135.	5.8	10
549	Spin and field squeezing in a spin-orbit coupled Bose-Einstein condensate. Scientific Reports, 2015, 5, 8006.	1.6	11
550	Anomalous Hall effect engineering via interface modification in Co/Pt multilayers. Applied Physics Letters, 2015, 107, 112404.	1.5	22

#	ARTICLE	IF	CITATIONS
551	Structural, magnetic, and transport properties of Fe-doped CoTiSb epitaxial thin films. Journal of Applied Physics, 2015, 118, 173905.	1.1	4
552	Effect of growth temperature on the electronic transport and anomalous Hall effect response in co-sputtered Co ₂ FeSi thin films. Journal of Applied Physics, 2015, 118, .	1.1	7
553	Interlocked chiral/polar domain walls and large optical rotation in Ni ₃ TeO ₆ . APL Materials, 2015, 3, .	2.2	18
554	Berry phase mechanism of the anomalous Hall effect in a disordered two-dimensional magnetic semiconductor structure. Scientific Reports, 2015, 5, 17158.	1.6	29
555	Anomalous Hall effect in epitaxial ferrimagnetic anti-perovskite Mn ₄ x ⁺ DyxN films. Journal of Applied Physics, 2015, 118, .	1.1	12
556	Robustness of topological Hall effect of nontrivial spin textures. Scientific Reports, 2014, 4, 5123.	1.6	19
557	Anomalous Hall Effect in 2D DMS. Solid State Phenomena, 2015, 233-234, 109-112.	0.3	1
558	Mapping motion of antiferromagnetic interfacial uncompensated magnetic moment in exchange-biased bilayers. Scientific Reports, 2015, 5, 9183.	1.6	24
559	Quantum Hall states stabilized in semi-magnetic bilayers of topological insulators. Nature Communications, 2015, 6, 8530.	5.8	53
560	Solid-Phase Epitaxial Growth of A ₂ Site-Ordered Perovskite Sr ₄ Er _x Co ₄ O ₁₂ : A Room Temperature Ferrimagnetic p-Type Semiconductor. Advanced Electronic Materials, 2015, 1, 1500199.	2.6	6
561	Anomalous Hall effect in the Dirac electron system with a split term. Journal of Physics: Conference Series, 2015, 603, 012020.	0.3	0
562	Universal Magnetic Hall Circuit Based on Paired Spin Heterostructures. Advanced Electronic Materials, 2015, 1, 1400054.	2.6	5
563	Weak Delocalization in Graphene on a Ferromagnetic Insulating Film. Small, 2015, 11, 6295-6301.	5.2	7
564	Thermopower of Doped Quantum Anomalous Hall Insulators: The case of Dirac Hamiltonian. , 2015, , .		1
565	Îµ-iron nitrides: Intrinsic anomalous Hall ferromagnets. APL Materials, 2015, 3, 026105.	2.2	4
566	Real-Space Calculation of the Conductivity Tensor for Disordered Topological Matter. Physical Review Letters, 2015, 114, 116602.	2.9	78
567	Magneto-transport and thermoelectric properties of epitaxial FeSb ₂ thin film on MgO substrate. Applied Physics Letters, 2015, 106, .	1.5	6
568	Berry phases and the intrinsic thermal Hall effect in high-temperature cuprate superconductors. Nature Communications, 2015, 6, 6518.	5.8	17

#	ARTICLE	IF	CITATIONS
569	Spin pumping and inverse spin Hall effectsâ€”Insights for future spin-orbitronics (invited). Journal of Applied Physics, 2015, 117, .	1.1	47
570	Direct Observation of Localized Spin Antiferromagnetic Transition in PdCrO2 by Angle-Resolved Photoemission Spectroscopy. Scientific Reports, 2014, 4, 3680.	1.6	43
571	Long-range spin-triplet correlations and edge spin currents in diffusive spinâ€”orbit coupled SNS hybrids with a single spin-active interface. Journal of Physics Condensed Matter, 2015, 27, 235301.	0.7	44
572	Temperature dependence of the perpendicular magnetic anisotropy in Ta/Co2FeAl/MgO structures probed by Anomalous Hall Effect. Journal of Magnetism and Magnetic Materials, 2015, 392, 79-82.	1.0	8
573	Scaling of anomalous Hall effect in amorphous CoFeB films with accompanying quantum correction. Solid State Communications, 2015, 215-216, 5-11.	0.9	11
574	FFLO Superfluids in 2D Spin-Orbit Coupled Fermi Gases. Scientific Reports, 2014, 4, 6535.	1.6	23
575	Asymmetric Andreev Reflection and Spin Hall Resonance at the Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2919-2925.	0.8	0
576	Magnetic Nanoparticles. Springer Theses, 2015, , .	0.0	6
577	Oxygen atom diffusion-driven anomalous Hall behavior in Co/Pt multilayers. Thin Solid Films, 2015, 579, 123-126.	0.8	6
578	Electric-field manipulation of coercivity in FePt/Pb(Mg _{1/3} Nb _{2/3})O ₃ â€”PbTiO ₃ heterostructures investigated by anomalous Hall effect measurement. Applied Physics Express, 2015, 8, 063006.	1.1	10
579	Thermal Hall effect of spins in a paramagnet. Physical Review B, 2015, 91, .	1.1	108
580	Chiral Spin Density Wave Order on the Frustrated Honeycomb and Bilayer Triangle Lattice Hubbard Model at Half-Filling. Physical Review Letters, 2015, 114, 216402.	2.9	14
581	Spontaneous magnetization and anomalous Hall effect in an emergent Dice lattice. Scientific Reports, 2015, 5, 11060.	1.6	10
582	Relativistic Effects on Electron Transport in Magnetic Alloys. Physics Procedia, 2015, 75, 948-955.	1.2	0
583	Spin-polarized currents and impurity-induced bound states in mesoscopic s-wave superconducting loops. Europhysics Letters, 2015, 112, 27009.	0.7	4
584	Reciprocal spin Hall effects in conductors with strong spinâ€”orbit coupling: a review. Reports on Progress in Physics, 2015, 78, 124501.	8.1	93
585	Direct writing of CoFe alloy nanostructures by focused electron beam induced deposition from a heteronuclear precursor. Nanotechnology, 2015, 26, 475701.	1.3	63
586	Spin Hall effects. Reviews of Modern Physics, 2015, 87, 1213-1260.	16.4	2,087

#	ARTICLE	IF	CITATIONS
605	Chiral anomaly and transport in Weyl metals. Journal of Physics Condensed Matter, 2015, 27, 113201.	0.7	312
606	Very large magnetoresistance in FeCr_2O_7 crystals. Physical Review B, 2015, 91, .	0.7	0.28
607	Polar Kerr effect from a time-reversal symmetry breaking unidirectional charge density wave. Physical Review B, 2015, 91, .	1.1	7
608	Anomalous hall effect in a 2D heterostructure including a GaAs/InGaAs/GaAs quantum well with a remote Mn δ -layer. JETP Letters, 2015, 100, 570-575.	0.4	6
609	Spin-Orbit-Coupled Bose-Einstein Condensates in a One-Dimensional Optical Lattice. Physical Review Letters, 2015, 114, 070401.	2.9	126
610	Post-growth purification of Co nanostructures prepared by focused electron beam induced deposition. Nanotechnology, 2015, 26, 075301.	1.3	41
611	Structural characterization and anomalous Hall effect of Rh ₂ MnGe thin films. Journal of Magnetism and Magnetic Materials, 2015, 381, 360-364.	1.0	3
612	Tb doping induced enhancement of anomalous Hall effect in NiFe films. Chinese Physics B, 2015, 24, 017101.	0.7	4
613	Enhancement of spin-orbit interaction by competition between Hund's coupling and electron hopping. Journal of Physics: Conference Series, 2015, 592, 012058.	0.3	2
614	Geometric phase in St $\frac{1}{4}$ ckelberg interferometry. Physical Review A, 2015, 91, .	1.0	10
615	Inverse spin Hall effect of antiferromagnetic MnIr in exchange biased NiFe/MnIr films. Journal Physics D: Applied Physics, 2015, 48, 345002.	1.3	8
616	Analysis of a two dimensional molecular Berry phase system. Chemical Physics Letters, 2015, 635, 224-227.	1.2	5
617	The evaluation of non-topological components in Berry phase and momentum relaxation time in a gapped 3D topological insulator. Journal of Physics Condensed Matter, 2015, 27, 335505.	0.7	1
618	Three dimensional magnetic abacus memory. Scientific Reports, 2014, 4, 6109.	1.6	33
619	Fabrication and characterization of nanostructured Fe ₃ S ₄ , an isostructural compound of half-metallic Fe ₃ O ₄ . Journal of Applied Physics, 2015, 117, .	1.1	16
620	Geometrical effects in orbital magnetic susceptibility. Physical Review B, 2015, 91, .	1.1	108
621	Thermal and thermoelectric response from Keldysh formalism with application to gapped Dirac fermions. Chinese Physics B, 2015, 24, 047401.	0.7	0
622	Artificial magnetic fields in momentum space in spin-orbit-coupled systems. Physical Review A, 2015, 91, .	1.0	5

#	ARTICLE	IF	CITATIONS
623	Evidence of the side jump mechanism in the anomalous Hall effect in paramagnets. Europhysics Letters, 2015, 110, 27002.	0.7	9
624	The anomalous Hall effect in epitaxial Fe(110) films grown on GaAs(110). Science Bulletin, 2015, 60, 1261-1265.	4.3	8
625	Scaling of anomalous Hall effects in facing-target reactively sputtered Fe ₄ N films. Physical Chemistry Chemical Physics, 2015, 17, 15435-15441.	1.3	21
626	Giant spin Hall effect and magnetotransport in a Ta/CoFeB/MgO layered structure: A temperature dependence study. Physical Review B, 2015, 91, .	1.1	71
627	Anomalous Hall Effect in (Co ₄₁ Fe ₃₉ B ₂₀) _x (Al ₅₀ Sb _{100-3x}) _{1-x} Nanocomposites: Temperature Dependence. Solid State Phenomena, 0, 233-234, 403-406.	1.3	19
628	Multivariable Scaling for the Anomalous Hall Effect. Physical Review Letters, 2015, 114, 217203.	2.9	104
629	Direct measurement of the magnetic anisotropy field in Mn ²⁺ Ga and Mn ²⁺ Co ²⁺ Ga Heusler films. Journal Physics D: Applied Physics, 2015, 48, 164006.	1.3	19
630	Anomalous Hall effect in MnSi: Intrinsic to extrinsic crossover. JETP Letters, 2015, 101, 459-464.	0.4	11
631	Competing magnetic states, disorder, and the magnetic character of $\text{Fe}_{1-x}\text{Mn}_x$. Physical Review B, 2015, 91, .	1.3	19
632	Spin-Transfer Torques Generated by the Anomalous Hall Effect and Anisotropic Magnetoresistance. Physical Review Applied, 2015, 3, .	1.5	172
633	Electric and magnetic dipoles in the Lorentz and Einstein-Laub formulations of classical electrodynamics. Proceedings of SPIE, 2015, , .	0.8	2
634	High-precision realization of robust quantum anomalous Hall state in a hard ferromagnetic topological insulator. Nature Materials, 2015, 14, 473-477.	13.3	765
635	Berry-phase effects and electronic dynamics in a noncollinear antiferromagnetic texture. Physical Review B, 2015, 91, .	1.1	25
637	Anomalous hall effect in the In _{1-x} Mn _x Sb dilute magnetic semiconductor with MnSb inclusions. JETP Letters, 2015, 101, 130-135.	0.4	13
638	Sign change of skew scattering induced anomalous Hall conductivity in epitaxial NiCo(002) films: band filling effect. Journal Physics D: Applied Physics, 2015, 48, 195004.	1.3	9
639	Current-driven dynamics of skyrmions stabilized in MnSi nanowires revealed by topological Hall effect. Nature Communications, 2015, 6, 8217.	5.8	124
640	Tuning Effects of Spin-Orbit Coupling in L ₁ ₀ Ordered and Disordered FePdPt Films. Spin, 2015, 05, 1530004.	0.6	2
641	Gate-tunable topological valley transport in bilayer graphene. Nature Physics, 2015, 11, 1027-1031.	6.5	301

#	ARTICLE	IF	CITATIONS
642	Quantum transport in Rashba spin-orbit materials: a review. Reports on Progress in Physics, 2015, 78, 106001.	8.1	163
643	Large anomalous Hall effect in a non-collinear antiferromagnet at room temperature. Nature, 2015, 527, 212-215.	13.7	1,009
644	Tunneling Anomalous and Spin Hall Effects. Physical Review Letters, 2015, 115, 056602.	2.9	49
645	Extraordinary Hall effect and universal scaling in Fe _x (ZnO) _{1-x} granular thin films at room temperature. Applied Physics Letters, 2015, 106, .	1.5	12
646	Quantum anomalous Hall effect in topological insulator memory. Journal of Applied Physics, 2015, 117, .	1.1	11
647	Tuning giant anomalous Hall resistance ratio in perpendicular Hall balance. Applied Physics Letters, 2015, 106, 152401.	1.5	11
648	Extrinsic anomalous Hall effect in epitaxial Mn ₄ N films. Applied Physics Letters, 2015, 106, .	1.5	36
649	Effect of growth temperature on structural, magnetic, and transport properties of Co ₂ Cr _{0.6} Fe _{0.4} Heusler alloy sputtered thin films. Journal of Applied Physics, 2015, 117, .	1.1	8
650	Quantum anomalous Hall effect and related topological electronic states. Advances in Physics, 2015, 64, 227-282.	35.9	374
651	Metal-to-insulator switching in quantum anomalous Hall states. Nature Communications, 2015, 6, 8474.	5.8	136
652	Anomalous transport phenomena in pn - ip superconductors. Physical Review B, 2015, 92, .	1.1	18
653	Frustrated Triangular Magnetic Structures of Mn ₃ ZnN: Applications in Thermal Expansion. Journal of Physical Chemistry C, 2015, 119, 24983-24990.	1.5	23
654	Buckled honeycomb lattice materials and unconventional magnetic responses. RSC Advances, 2015, 5, 83350-83360.	1.7	7
655	Novel Magnetic Orders and Ice Phases in Frustrated Kondo-Lattice Models. Spin, 2015, 05, 1540006.	0.6	3
656	Effect of deposition temperature on the structure, magnetic and transport properties in Co ₂ MnSi Heusler films. Applied Physics A: Materials Science and Processing, 2015, 121, 141-148.	1.1	5
657	Dzyaloshinskii-Moriya Interaction and Hall Effects in the Skyrmion Phase of $Mn_{1-x}Mg_x$. Physical Review Letters, 2015, 115, 036602.	2.9	91
658	Spin Nernst effect and intrinsic magnetization in two-dimensional Dirac materials. Low Temperature Physics, 2015, 41, 342-352.	0.2	7
659	Independent Tuning of Electronic Properties and Induced Ferromagnetism in Topological Insulators with Heterostructure Approach. Nano Letters, 2015, 15, 5835-5840.	4.5	111

#	ARTICLE	IF	CITATIONS
660	Current-direction dependence of the transport properties in single-crystalline face-centered-cubic cobalt films. <i>Journal of Applied Physics</i> , 2015, 118, 043908.	1.1	11
661	Scaling of the Anomalous Hall Effect in Ferrimagnetic $\text{Co}_{90}\text{Gd}_{10}$ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	12
662	Anomalous Hall Effect of the Co Thin Film Deposited by High-Pressure Magnetron Sputtering. <i>Advanced Materials Research</i> , 0, 1120-1121, 424-428.	0.3	0
663	Topological Bloch bands in graphene superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10879-10883.	3.3	91
664	The Hall effect and its analogs. <i>Physics-Uspekh</i> , 2015, 58, 446-454.	0.8	10
665	Anomalous Hall effect with massive Dirac fermions. <i>Europhysics Letters</i> , 2015, 111, 37004.	0.7	69
666	Atomic-Scale Magnetism of Cr-Doped Bi_2Se_3 Thin Film Topological Insulators. <i>ACS Nano</i> , 2015, 9, 10237-10243.	7.3	54
667	Giant Negative Magnetoresistance Driven by Spin-Orbit Coupling at the $\text{LaAlO}_3/\text{SrTiO}_3$ Interface. <i>Physical Review Letters</i> , 2015, 115, 016803.	2.9	63
668	Valley Hall Effect in Two-Dimensional Hexagonal Lattices. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 121006.	0.7	55
669	Generation and detection of pure valley current by electrically induced Berry curvature in bilayer graphene. <i>Nature Physics</i> , 2015, 11, 1032-1036.	6.5	347
670	Above Room Temperature Ferromagnetism in Co- and V-Doped TiO_2 – Revealing the Different Contributions of Defects and Impurities. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 805-811.	0.8	18
671	A comparative study of size-dependent magnetoresistance and Hall resistance of Sb_2Te_3 nanoflakes. <i>Physica B: Condensed Matter</i> , 2015, 459, 12-15.	1.3	8
672	Spin and valley half-metal state in MoS_2 monolayer. <i>Physica B: Condensed Matter</i> , 2015, 458, 22-26.	1.3	20
673	Spin transport study in a Rashba spin-orbit coupling system. <i>Scientific Reports</i> , 2014, 4, 4030.	1.6	11
674	Response of fermions in Chern bands to spatially local quenches. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 083103.	0.9	7
675	Macroscopic kinematics of the Hall electric field under influence of carrier magnetic moments. <i>AIP Advances</i> , 2016, 6, 065220.	0.6	1
676	Non-interferometric determination of Berry phases: Precession reversal in noiseless systems. <i>Journal of Chemical Physics</i> , 2016, 145, 184105.	1.2	2
677	Ultrasensitive Anomalous Hall Effect in Ta/CoFe/Oxide/Ta Multilayers. <i>Advances in Condensed Matter Physics</i> , 2016, 2016, 1-7.	0.4	6

#	ARTICLE	IF	CITATIONS
678	Size effect on the magnetic phase in Sr ₄ Ru ₃ O ₁₀ . New Journal of Physics, 2016, 18, 053019.	1.2	9
679	A new method to calculate Berry phase in one-dimensional quantum anomalous Hall insulator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2888-2891.	0.9	2
680	The electronic structure and spin-orbit-induced spin splitting in antimonene with vacancy defects. RSC Advances, 2016, 6, 66140-66146.	1.7	38
681	Anomalous Anisotropic Magnetoresistance of Antiferromagnetic Epitaxial Bimetallic Films: Mn ₂ Au and Mn ₂ Au/Fe Bilayers. Advanced Functional Materials, 2016, 26, 5884-5892.	7.8	16
682	Topological Insulators from Electronic Superstructures. Journal of the Physical Society of Japan, 2016, 85, 073709.	0.7	4
683	Theory of Multifarious Quantum Phases and Large Anomalous Hall Effect in Pyrochlore Iridate Thin Films. Scientific Reports, 2016, 6, 30017.	1.6	14
684	Composition induced metal-insulator quantum phase transition in the Heusler type Fe ₂ VAl. Journal of Physics Condensed Matter, 2016, 28, 285601.	0.7	5
685	Evidence for ferromagnetic coupling at the doped topological insulator/ferrimagnetic insulator interface. AIP Advances, 2016, 6, 055813.	0.6	8
686	Anomalous Hall effect in the noncollinear antiferromagnet Mn ₅ Si ₃ . AIP Advances, 2016, 6, .	0.6	33
687	Anomalous Hall effect in Zn _x Fe _{3-x} O ₄ : Universal scaling law and electron localization below the Verwey transition. AIP Advances, 2016, 6, 085208.	0.6	1
688	Competing effects of magnetic impurities in the anomalous Hall effect on the surface of a topological insulator. Physical Review B, 2016, 94, .	1.1	10
689	Remnant Geometric Hall Response in a Quantum Quench. Physical Review Letters, 2016, 117, 235302.	2.9	61
690	Electric Control of the Hall effect in Pt/Bi _{0.9} La _{0.1} FeO ₃ bilayers. Scientific Reports, 2016, 6, 20330.	1.6	34
691	Two-dimensional topological nanomaterials and related Hall effects. , 2016, , .		0
692	Perpendicular magnetic anisotropy in Co ₂ Fe _{0.4} Mn _{0.6} Si. Journal of Applied Physics, 2016, 120, .	1.1	13
693	Temperature dependence of the spin Hall angle and switching current in the nc-W(O)/CoFeB/MgO system with perpendicular magnetic anisotropy. Applied Physics Letters, 2016, 109, 142405.	1.5	23
694	Spin-orbit-coupled two-electron Fermi gases of ytterbium atoms. Physical Review A, 2016, 94, .	1.0	66
695	Effect of band filling on anomalous Hall conductivity and magneto-crystalline anisotropy in NiFe epitaxial thin films. AIP Advances, 2016, 6, 015101.	0.6	8

#	ARTICLE	IF	CITATIONS
696	Dynamical picture of spin Hall effect based on quantum spin vorticity theory. AIP Advances, 2016, 6, 025108.	0.6	5
697	Structural and proximity-induced ferromagnetic properties of topological insulator-magnetic insulator heterostructures. AIP Advances, 2016, 6, .	0.6	48
698	Enhanced Nonadiabaticity in Vortex Cores due to the Emergent Hall Effect. Physical Review Letters, 2016, 117, 277203.	2.9	29
699	Critical role of W deposition condition on spin-orbit torque induced magnetization switching in nanoscale W/CoFeB/MgO. Applied Physics Letters, 2016, 109, .	1.5	69
700	A room-temperature magnetic semiconductor from a ferromagnetic metallic glass. Nature Communications, 2016, 7, 13497.	5.8	71
701	Crossover to the anomalous quantum regime in the extrinsic spin Hall effect of graphene. Physical Review B, 2016, 94, .	1.1	14
702	Berry curvature and various thermal Hall effects. New Journal of Physics, 2016, 18, 103039.	1.2	37
703	Magneto-transport and domain wall scattering in epitaxy L1 MnAl thin film. Journal of Applied Physics, 2016, 119, .	1.1	11
704	Interface-driven topological Hall effect in SrRuO ₃ -SrIrO ₃ bilayer. Science Advances, 2016, 2, e1600304.	4.7	360
705	Perspective: Probing 2-D magnetic structures in a 3-D world. APL Materials, 2016, 4, 032402.	2.2	1
706	Giant spin-orbit torque and spin current generation in carriers at oxide interfaces. New Journal of Physics, 2016, 18, 093034.	1.2	4
707	Thickness-dependent electronic structure modulation of ferromagnetic films on shape memory alloy substrates based on a pure strain effect. Applied Physics Letters, 2016, 109, .	1.5	5
708	Nonlinear dynamics induced anomalous Hall effect in topological insulators. Scientific Reports, 2016, 6, 19803.	1.6	6
709	Semiclassical theory of nonlinear magneto-optical responses with applications to topological Dirac/Weyl semimetals. Physical Review B, 2016, 94, .	1.1	132
710	Dynamical Piezoelectric and Magnetopiezoelectric Effects in Polar Metals from Berry Phases and Orbital Moments. Physical Review Letters, 2016, 117, 257601.	2.9	30
711	Effect of IrMn inserted layer on anomalous-Hall resistance and spin-Hall magnetoresistance in Pt/IrMn/YIG heterostructures. Journal of Applied Physics, 2016, 120, .	1.1	6
712	Nonvolatile modulation of electronic structure and correlative magnetism of L10-FePt films using significant strain induced by shape memory substrates. Scientific Reports, 2016, 6, 20199.	1.6	11
713	Weyl fermions and spin dynamics of metallic ferromagnet SrRuO ₃ . Nature Communications, 2016, 7, 11788.	5.8	79

#	ARTICLE	IF	CITATIONS
714	Scaling of the anomalous Hall effect in epitaxial antiperovskite Mn _{3.5} Dy _{0.5} N involving multiple competing scattering mechanisms. Applied Physics Letters, 2016, 109, .	1.5	10
715	Hybrid magnetoresistance in Pt-based multilayers: Effect originated from strong interfacial spin-orbit coupling. Scientific Reports, 2016, 6, 20522.	1.6	6
716	Metal-insulator transition and the anomalous Hall effect in the layered magnetic materials VS ₂ and VSe ₂ . New Journal of Physics, 2016, 18, 113038.	1.2	75
717	Electrical detection of magnetization dynamics in an ultrathin CoFeB film with perpendicular anisotropy. Applied Physics Letters, 2016, 109, .	1.5	6
718	The magneto-Hall difference and the planar extraordinary Hall balance. AIP Advances, 2016, 6, 045019.	0.6	2
719	The zero-moment half metal: How could it change spin electronics?. AIP Advances, 2016, 6, .	0.6	22
720	Ferromagnetism of Mn _x Si _{1-x} (x ≈ 0.5) films grown in the shadow geometry by pulsed laser deposition method. AIP Advances, 2016, 6, .	0.6	13
721	Spin-orbit torques in ferrimagnetic GdFeCo alloys. Applied Physics Letters, 2016, 109, .	1.5	95
722	A novel method to evaluate spin diffusion length of Pt. Physica B: Condensed Matter, 2016, 488, 67-71.	1.3	0
723	Character of matter in holography: Spin-orbit interaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 104-109.	1.5	15
724	Anomalous Hall effect in the prospective spintronic material Eu _{1-x} Gd _x O integrated with Si. Journal of Physics Condensed Matter, 2016, 28, 226001.	0.7	2
725	Electric Field Effects on Spin Splitting of Two-Dimensional van der Waals Arsenene/FeCl ₂ Heterostructures. Journal of Physical Chemistry C, 2016, 120, 5613-5618.	1.5	46
726	Quantum anomalous Hall effect in time-reversal-symmetry breaking topological insulators. Journal of Physics Condensed Matter, 2016, 28, 123002.	0.7	83
727	Chiral plasmons without magnetic field. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4658-4663.	3.3	98
728	Transport Studies of the Electrical, Magnetic and Thermoelectric properties of Topological Insulator Thin Films. Springer Theses, 2016, , .	0.0	4
729	Topological phases in two-dimensional materials: a review. Reports on Progress in Physics, 2016, 79, 066501.	8.1	385
730	Quantum Anomalous Hall Effect. Springer Theses, 2016, , 87-98.	0.0	0
731	Reflection of electromagnetic waves from two-dimensional magnetoelectric conductors. Optik, 2016, 127, 7054-7061.	1.4	0

#	ARTICLE	IF	CITATIONS
732	Topology-Driven Magnetic Quantum Phase Transition. Springer Theses, 2016, , 55-86.	0.0	0
733	Two-parameter scaling theory of the longitudinal magnetoconductivity in a Weyl metal phase: Chiral anomaly, weak disorder, and finite temperature. Physical Review B, 2016, 94, .	1.1	8
734	Thermoelectric Transport Signatures of Dirac Composite Fermions in the Half-Filled Landau Level. Physical Review X, 2016, 6, .	2.8	37
735	First-principles evaluation of intrinsic, side-jump, and skew-scattering parts of anomalous Hall conductivities in disordered alloys. Physical Review B, 2016, 94, .	1.1	8
736	High-field transport properties of itinerant electron metamagnetic Co(S _{1-x} Se) ₂ . Journal of Science: Advanced Materials and Devices, 2016, 1, 179-184.	1.5	0
737	Graphene under a few-cycle circularly polarized optical field: ultrafast interferometry and Berry phase manifestation. , 2016, , .		0
738	Magnetic Tunnel Junctions Incorporating a Near-Zero-Moment Ferromagnetic Semiconductor. Physical Review Applied, 2016, 6, .	1.5	18
739	Topological phases and phase transitions on the honeycomb lattice. European Physical Journal B, 2016, 89, 1.	0.6	5
740	Microscopic theory of the residual surface resistivity of Rashba electrons. Physical Review B, 2016, 94, .	1.1	5
741	Tunable spin-orbit-coupled Bose-Einstein condensates in deep optical lattices. Physical Review A, 2016, 94, .	1.0	35
742	Creating topological interfaces and detecting chiral edge modes in a two-dimensional optical lattice. Physical Review A, 2016, 94, .	1.0	26
743	Vertical spin Hall magneto-resistance in Bi_2Se_3 3D topological insulator. Journal of Physics Condensed Matter, 2016, 28, 376001.	1.1	6
744	Dynamics of Weyl quasiparticles in an optical lattice. Physical Review A, 2016, 94, .	1.0	22
745	Nonlocal topological valley transport at large valley Hall angles. Physical Review B, 2016, 94, .	1.1	26
746	Chirality-induced spin current through spiral magnets. Physical Review B, 2016, 94, .	1.1	6
747	Large power factor and anomalous Hall effect and their correlation with observed linear magneto resistance in Co-doped Bi ₂ Se ₃ 3D topological insulator. Journal of Physics Condensed Matter, 2016, 28, 376001.	0.7	11
748	Emergence of electromotive force in precession-less rigid motion of deformed domain wall. European Physical Journal B, 2016, 89, 1.	0.6	0
749	Rashba semiconductor as spin Hall material: Experimental demonstration of spin pumping in wurtzite GaN:Si. Physical Review B, 2016, 94, .	1.1	10

#	ARTICLE	IF	CITATIONS
750	Classification of topological quantum matter with symmetries. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	1,856
751	Intrinsic anomalous Hall effect in type-II Weyl semimetals. <i>JETP Letters</i> , 2016, 103, 717-722.	0.4	145
752	Relationship between the Einstein-Laub electromagnetic force and the Lorentz force on free charge. <i>Physical Review B</i> , 2016, 94, .	1.1	9
753	Anomalous Hall effect on the surface of topological Kondo insulators. <i>Physical Review B</i> , 2016, 94, .	1.1	11
754	Anomalous Hall effect in polycrystalline Mn _x Si _{1-x} (x ≈ 0.5) films with the self-organized distribution of crystallites over their shapes and sizes. <i>JETP Letters</i> , 2016, 103, 476-483.	0.4	6
755	Fully relativistic description of spin-orbit torques by means of linear response theory. <i>Physical Review B</i> , 2016, 94, .	1.1	34
756	Influence of complex disorder on skew-scattering Hall effects in L ₁ FePt alloy. <i>Physical Review B</i> , 2016, 94, .	1.1	14
757	Quantum transport investigation of anomalous Hall resistance in four-probe magnetic nanostructures. <i>Physical Review B</i> , 2016, 94, .	1.1	2
758	Anomalous Hall effect in a ferromagnetic Fe ₃ Ge crystal with a geometrically frustrated Fe bilayer kagome lattice. <i>Physical Review B</i> , 2016, 94, .	1.1	3
759	Large anomalous Nernst effect in a skyrmion crystal. <i>Scientific Reports</i> , 2016, 6, 28076.	1.6	29
760	Topological insulator in a helicoidal magnetization field. <i>Physical Review B</i> , 2016, 94, .	1.1	3
761	Manifestation of extrinsic spin Hall effect in superconducting structures: Nondissipative magnetoelectric effects. <i>Physical Review B</i> , 2016, 94, .	1.1	28
762	Spin-orbit assisted chiral-tunneling at semiconductor tunnel junctions: study with advanced 30-band k _z methods. , 2016, , .		0
763	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. <i>Science Advances</i> , 2016, 2, e1501870.	4.7	561
764	Scaling of the anomalous Hall effect in lower conductivity regimes. <i>Europhysics Letters</i> , 2016, 114, 57004.	0.7	7
765	Spin transport at interfaces with spin-orbit coupling: Formalism. <i>Physical Review B</i> , 2016, 94, .	1.1	161
766	Large anomalous Hall effect in a half-Heusler antiferromagnet. <i>Nature Physics</i> , 2016, 12, 1119-1123.	6.5	232
767	Quantum solitons with emergent interactions in a model of cold atoms on the triangular lattice. <i>Physical Review A</i> , 2016, 93, .	1.0	21

#	ARTICLE	IF	CITATIONS
768	Spin Hall effect in a spinor dipolar Bose-Einstein condensate. Physical Review A, 2016, 93, .	1.0	8
769	Giant Anomalous Hall Effect in the Chiral Antiferromagnet Mn_3Ge . Physical Review Applied, 2016, 5, .	1.5	249
770	Spin-orbit interaction enhancement in permalloy thin films by Pt doping. Physical Review B, 2016, 93, .	1.1	35
771	Chiral plasmon in gapped Dirac systems. Physical Review B, 2016, 93, .	1.1	71
772	Scaling relation between anomalous Nernst and Hall effect in Pt. Physical Review B, 2016, 93, .	1.1	64
773	Stability of skyrmion lattices and symmetries of quasi-two-dimensional chiral magnets. Physical Review B, 2016, 93, .	1.1	65
774	Theory of the strongly disordered Weyl semimetal. Physical Review B, 2016, 93, .	1.1	43
775	Tunable angular-dependent magnetoresistance correlations in magnetic films and their implications for spin Hall magnetoresistance analysis. Physical Review B, 2016, 93, .	1.1	32
776	Magnetic oscillations of the anomalous Hall conductivity. Physical Review B, 2016, 93, .	1.1	3
777	Fermi surfaces, spin-mixing parameter, and colossal anisotropy of spin relaxation in transition metals from <i>ab initio</i> theory. Physical Review B, 2016, 93, .	1.1	21
778	Emergence of magnetic topological states in topological insulators doped with magnetic impurities. Physical Review B, 2016, 93, .	1.1	9
779	Hysteretic magnetoresistance and unconventional anomalous Hall effect in the frustrated magnet TmB_4 . Physical Review B, 2016, 93, .	1.1	22
780	Emergent ferromagnetism and linear scattering in USb_2 at high pressure. Physical Review B, 2016, 93, .	1.1	17
781	Anomalous Hall effect in USb_2 with controllable orbital two-channel Kondo effect. Physical Review B, 2016, 93, .	1.1	19
782	Chiral wave-packet scattering in Weyl semimetals. Physical Review B, 2016, 93, .	1.1	28
783	Anomalous Hall effect in localization regime. Physical Review B, 2016, 93, .	1.1	21
784	Semiclassical Landau quantization of spin-orbit coupled systems. Physical Review B, 2016, 93, .	1.1	2
785	Measurement of Chern numbers through center-of-mass responses. Physical Review B, 2016, 93, .	1.1	64

#	ARTICLE	IF	CITATIONS
786	Fermi surface versus Fermi sea contributions to intrinsic anomalous and spin Hall effects of multiorbital metals in the presence of Coulomb interaction and spin-Coulomb drag. Physical Review B, 2016, 93, .	1.1	6
787	Theory of Hall effect in two-dimensional giant Rashba systems. Physical Review B, 2016, 94, .	1.1	10
788	Anomalous Maxwell equations for inhomogeneous chiral plasma. Physical Review D, 2016, 93, .	1.6	54
789	Chiral Magnetic Effect and Anomalous Hall Effect in Antiferromagnetic Insulators with Spin-Orbit Coupling. Physical Review Letters, 2016, 116, 096401.	2.9	45
790	Predicted Quantum Topological Hall Effect and Noncoplanar Antiferromagnetism in $K_{\text{Mn}}\text{MnO}_2$. Physical Review Letters, 2016, 116, 256601.	2.9	57
791	Anomalous Hall Effect in a 2D Rashba Ferromagnet. Physical Review Letters, 2016, 117, 046601.	2.9	39
792	Spin-Torque and Spin-Hall Nano-Oscillators. Proceedings of the IEEE, 2016, 104, 1919-1945.	16.4	276
793	Momentum-space Landau levels in driven-dissipative cavity arrays. Physical Review A, 2016, 93, .	1.0	7
794	Longitudinal and transverse thermoelectric transport in MnSi. Physical Review B, 2016, 93, .	1.1	21
795	Transport properties of spin-triplet superconducting monolayer MoS_2 . Physical Review B, 2016, 93, .		
796	Graphene electrostatics in the presence of the extrinsic spin Hall effect. Physical Review B, 2016, 93, .	1.1	5
797	Noncollinear and noncoplanar magnetic order in the extended Hubbard model on anisotropic triangular lattice. Physical Review B, 2016, 93, .	1.1	11
798	Nonlinear electronic polarization and optical response in borophosphate BPO_4 . Physical Review B, 2016, 93, .		
799	Manipulation of pure spin current in ferromagnetic metals independent of magnetization. Physical Review B, 2016, 94, .	1.1	53
800	Nonlocal Anomalous Hall Effect. Physical Review Letters, 2016, 116, 136601.	2.9	26
801	Torsional Chiral Magnetic Effect in a Weyl Semimetal with a Topological Defect. Physical Review Letters, 2016, 116, 166601.	2.9	82
802	Electron Scattering on a Magnetic Skyrmion in the Nonadiabatic Approximation. Physical Review Letters, 2016, 117, 027202.	2.9	42
803	Tuning Spin Hall Angles by Alloying. Physical Review Letters, 2016, 117, 167204.	2.9	94

#	ARTICLE	IF	CITATIONS
804	Tunneling Planar Hall Effect in Topological Insulators: Spin Valves and Amplifiers. Physical Review Letters, 2016, 117, 166806.	2.9	33
805	3d Transition Metal Adsorption Induced the valley-polarized Anomalous Hall Effect in Germanene. Scientific Reports, 2016, 6, 27830.	1.6	10
806	Prediction of Quantum Anomalous Hall Insulator in half-fluorinated GaBi Honeycomb. Scientific Reports, 2016, 6, 31317.	1.6	12
807	Berry Curvature in Magnon-Phonon Hybrid Systems. Physical Review Letters, 2016, 117, 217205.	2.9	47
808	Enhanced spin Seebeck effect signal due to spin-momentum locked topological surface states. Nature Communications, 2016, 7, 11458.	5.8	91
809	Highly Efficient Domain Walls Injection in Perpendicular Magnetic Anisotropy Nanowire. Scientific Reports, 2016, 6, 24804.	1.6	23
810	Spin generation via bulk spin current in three-dimensional topological insulators. Nature Communications, 2016, 7, 10878.	5.8	30
811	Quantum transport properties of the three-dimensional Dirac semimetal Cd ₃ As ₂ single crystals. Chinese Physics B, 2016, 25, 117105.	0.7	11
812	Vortices, skyrmions, and chirality waves in frustrated Mott insulators with a quenched periodic array of impurities. Physical Review B, 2016, 94, .	1.1	41
813	Emerging magnetism and anomalous Hall effect in iridate“manganite heterostructures. Nature Communications, 2016, 7, 12721.	5.8	123
814	The spin Hall effect in single-crystalline gold thin films. Chinese Physics B, 2016, 25, 107201.	0.7	5
815	Voltage-Driven Magnetization Switching and Spin Pumping in Weyl Semimetals. Physical Review Applied, 2016, 6, .	1.5	25
816	Temperature dependence of the ordinary Hall effect in ferrimagnetic CoCo83</math>/Gd17</math> thin films. , 2016, , .		0
817	Spintronics-Based Devices to Circuits: Perspectives and challenges. IEEE Nanotechnology Magazine, 2016, 10, 13-28.	0.9	17
818	Topological nature of nonlinear optical effects in solids. Science Advances, 2016, 2, e1501524.	4.7	344
819	The role of magnetic excitations in magnetoresistance and Hall effect of slightly TM-substituted BaFe ₂ As ₂ compounds (TM = Mn, Cu, Ni). Physica C: Superconductivity and Its Applications, 2016, 531, 30-38.	0.6	1
820	Giant Hall Photoconductivity in Narrow-Gapped Dirac Materials. Nano Letters, 2016, 16, 7346-7351.	4.5	12
821	Nonlocal anomalous Hall effect in ternary alloys based on noble metals. Physical Review B, 2016, 94, .	1.1	3

#	ARTICLE	IF	CITATIONS
822	Entanglement spectrum of Su-Schrieffer-Heeger-Hubbard model. Physical Review B, 2016, 94, .	1.1	21
823	Defect Control of Conventional and Anomalous Electron Transport at Complex Oxide Interfaces. Physical Review X, 2016, 6, .	2.8	42
824	Critical phenomena of emergent magnetic monopoles in a chiral magnet. Nature Communications, 2016, 7, 11622.	5.8	97
825	Spin-Orbit-Torque Efficiency in Compensated Ferrimagnetic Cobalt-Terbium Alloys. Physical Review Applied, 2016, 6, .	1.5	214
826	Anomalous Hall effect in tetragonal antiperovskite GeNFe_3 with a frustrated ferromagnetic state. RSC Advances, 2016, 6, 104433-104437.	1.7	8
827	Highly Textured IrMn_3 (111) Thin Films Grown by Magnetron Sputtering. IEEE Magnetics Letters, 2016, 7, 1-5.	0.6	9
828	Observation of temperature-gradient-induced magnetization. Nature Communications, 2016, 7, 12265.	5.8	13
829	Anomalous and planar Righi-Leduc effects in $\text{Ni}_{80}\text{Fe}_{20}$ ferromagnets. Physical Review B, 2016, 94, .	1.1	14
830	Origin of the low critical observing temperature of the quantum anomalous Hall effect in V-doped (Bi, Sb) $_2\text{Te}_3$ film. Scientific Reports, 2016, 6, 32732.	1.6	42
831	Anomalous Hall hysteresis in Mn_3Si .	1.1	106
832	Spintronics Based on Topological Insulators. Spin, 2016, 06, 1640001.	0.6	77
833	MegaOhm extraordinary Hall effect in oxidized CoFeB. Applied Physics Letters, 2016, 109, .	1.5	10
834	Spectroscopic detectability of the molecular Aharonov-Bohm effect. Journal of Chemical Physics, 2016, 144, 024103.	1.2	9
835	Magnetotransport properties of nonstoichiometric $\text{Si}_{1-x}\text{Mn}_x$ alloys with an excess of manganese relative to silicides Mn_4Si_7 and MnSi . Journal of Communications Technology and Electronics, 2016, 61, 1379-1382.	0.2	1
836	Anomalous Hall effect in $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}/\text{SiO}_2/\text{Si}$ structures. Journal of Alloys and Compounds, 2016, 685, 454-458.	2.8	0
837	An Architecture based on Magnetic Sensors for Fault Detection in Agricultural Implements. IEEE Latin America Transactions, 2016, 14, 1582-1587.	1.2	3
838	Rashba spin-orbit coupling enhanced anomalous Hall effect in $\text{Mn}_x\text{Si}_{1-x}/\text{SiO}_2/\text{Si}$ junctions. RSC Advances, 2016, 6, 55930-55935.	1.7	4
839	Weyl points in the ferromagnetic Heusler compound Co_2MnAl . Europhysics Letters, 2016, 114, 47005.	0.7	97

#	ARTICLE	IF	CITATIONS
840	Observation of low field microwave absorption in co-doped ZnO system. Solid State Communications, 2016, 243, 60-64.	0.9	9
841	Temperature dependence of magnetoresistance in GdFeCo/Pt heterostructure. Applied Physics Express, 2016, 9, 073001.	1.1	39
842	Observation of magnon Hall-like effect for sample-edge scattering in unsaturated YIG. Physica Status Solidi (B): Basic Research, 2016, 253, 783-787.	0.7	15
843	Variation of spin-orbit coupling and related properties in skyrmionic system $Mn_{1-x}Fe_xGe$. New Journal of Physics, 2016, 18, 045006.	1.2	20
844	Potential of thermoelectric power generation using anomalous Nernst effect in magnetic materials. Scripta Materialia, 2016, 111, 29-32.	2.6	78
845	Unravelling Small-Polaron Transport in Metal Oxide Photoelectrodes. Journal of Physical Chemistry Letters, 2016, 7, 471-479.	2.1	224
846	Multicomponent Quantum Hall Ferromagnetism and Landau Level Crossing in Rhombohedral Trilayer Graphene. Nano Letters, 2016, 16, 227-231.	4.5	8
847	Tunable spin polarization and superconductivity in engineered oxide interfaces. Nature Materials, 2016, 15, 278-283.	13.3	104
848	Nernst effect in metals and superconductors: a review of concepts and experiments. Reports on Progress in Physics, 2016, 79, 046502.	8.1	144
849	Theory of spin Hall magnetoresistance (SMR) and related phenomena. Journal of Physics Condensed Matter, 2016, 28, 103004.	0.7	73
850	Generic Aspects of Skyrmion Lattices in Chiral Magnets. Springer Series in Materials Science, 2016, , 1-28.	0.4	47
851	Extrinsic spin Hall effect from anisotropic Rashba spin-orbit coupling in graphene. Physical Review B, 2016, 93, .	1.1	27
852	When Chiral Photons Meet Chiral Fermions: Photoinduced Anomalous Hall Effects in Weyl Semimetals. Physical Review Letters, 2016, 116, 026805.	2.9	143
853	Valley depolarization dynamics and valley Hall effect of excitons in monolayer and bilayer MoS_2 . Physical Review B, 2016, 93, .	1.1	27
854	Geometric Hall effects in topological insulator-heterostructures. Nature Physics, 2016, 12, 555-559.	6.5	146
855	Ballistic Anisotropic Magnetoresistance of Single-Atom Contacts. Nano Letters, 2016, 16, 1450-1454.	4.5	10
856	Role of Oxygen Ion Migration in the Electrical Control of Magnetism in $Pt/Co/Ni/HfO_2$ Films. Journal of Physical Chemistry C, 2016, 120, 1633-1639.	1.5	41
857	Evolution of anomalous Hall behavior in thin Pt/Co/Pt trilayers. Journal of Magnetism and Magnetic Materials, 2016, 405, 311-316.	1.0	1

#	ARTICLE	IF	CITATIONS
858	The magnetic monopole and the separation between fast and slow magnetic degrees of freedom. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 106001.	0.7	13
859	Exchange scattering as the driving force for ultrafast all-optical and bias-controlled reversal in ferrimagnetic metallic structures. <i>Physical Review B</i> , 2016, 93, .	1.1	16
860	Thermally stable anomalous Hall behavior in perpendicular Co/Pt multilayers sandwiched by HfO ₂ layers. <i>Applied Surface Science</i> , 2016, 360, 758-761.	3.1	10
861	Magnetic, Magnetocaloric, Magnetotransport, and Magneto-optical Properties of Ni ²⁺ /Mn ²⁺ -In-Based Heusler Alloys: Bulk, Ribbons, and Microwires. <i>Springer Series in Materials Science</i> , 2016, , 41-82.	0.4	14
862	The Quantum Anomalous Hall Effect: Theory and Experiment. <i>Annual Review of Condensed Matter Physics</i> , 2016, 7, 301-321.	5.2	421
863	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. <i>Nature Nanotechnology</i> , 2016, 11, 352-359.	15.6	212
864	Anomalous Hall effect and magnetoresistance in Ge _{1-x} Pb _x Mn _y Te cluster-glass system. <i>Journal of Alloys and Compounds</i> , 2016, 658, 265-271.	2.8	4
865	One-dimensional edge state transport in a topological Kondo insulator. <i>Nature Physics</i> , 2016, 12, 213-217.	6.5	76
866	First-principles investigations on the Berry phase effect in spin-orbit coupling materials. <i>Computational Materials Science</i> , 2016, 112, 428-447.	1.4	16
867	Spin transport for a quantum wire with coexistence of Rashba and Dresselhaus spin-orbit coupling in quantum wire and two leads. <i>Indian Journal of Physics</i> , 2016, 90, 163-171.	0.9	0
868	Spin Hall magnetoresistance in antiferromagnet/normal metal bilayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1600409.	1.2	32
869	Nanoengineering of an Si/MnGe quantum dot superlattice for high Curie-temperature ferromagnetism. <i>Nanoscale</i> , 2017, 9, 3086-3094.	2.8	13
870	Integer, fractional, and anomalous quantum Hall effects explained with Eyring's rate process theory and free volume concept. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6042-6050.	1.3	4
871	Anomalous Hall effect in one monolayer cobalt with electrical manipulation. <i>Journal of Alloys and Compounds</i> , 2017, 696, 315-320.	2.8	3
872	Spin-orbit torques in locally and globally noncentrosymmetric crystals: Antiferromagnets and ferromagnets. <i>Physical Review B</i> , 2017, 95, .	1.1	113
873	Kerr Effect from Diffractive Skew Scattering in Chiral Superconductors. <i>Physical Review Letters</i> . 2017. 118. 027001.	2.9	22
874	Effect of negative chemical pressure on the prototypical itinerant magnet MnSi. <i>Physical Review B</i> , 2017, 95, .	1.1	22
875	Progress in oxygen behaviors in two-dimensional thin films. <i>Rare Metals</i> , 2017, 36, 155-167.	3.6	8

#	ARTICLE	IF	CITATIONS
876	Anomalous Hall effects beyond Berry magnetic fields in a Weyl metal phase. Physical Review B, 2017, 95, .	1.1	5
877	Topological Hall and spin Hall effects in disordered skyrmionic textures. Physical Review B, 2017, 95, .	1.1	46
878	Robust Zero-Field Skyrmion Formation in FeGe Epitaxial Thin Films. Physical Review Letters, 2017, 118, 027201.	2.9	98
879	Quantum device prospects of superconducting nanodiamond films. , 2017, , .		1
880	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:mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>		
881	Wavepackets in inhomogeneous periodic media: Effective particle-field dynamics and Berry curvature. Journal of Mathematical Physics, 2017, 58, 021503.	0.5	10
882	Structure and physical properties of SrNiRu5O11 single crystals: An R-type ferrite based on ordered kagome nets. Physical Review B, 2017, 95, .	1.1	7
883	Shift charge and spin photocurrents in Dirac surface states of topological insulator. Physical Review B, 2017, 95, .	1.1	50
884	Cluster multipole theory for anomalous Hall effect in antiferromagnets. Physical Review B, 2017, 95, .	1.1	200
885	Perpendicular magnetic anisotropy in Co2MnGa and its anomalous Hall effect. Applied Physics Letters, 2017, 110, .	1.5	37
886	Towards a Better Understanding of the Anomalous Hall Effect. Journal of the Physical Society of Japan, 2017, 86, 011006.	0.7	38
887	Spin-triplet f-wave symmetry in superconducting monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>M</mml:mi><mml:mi>O</mml:mi><mml:msub><mml:mi>S</mml:mi><mml:mi>C</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Superlattices and Microstructures, 2017, 104, 1-9.	1.4	5
888	Economical rotatable holder for magnetotransport measurements. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2017, 35, 023201.	0.6	0
889	Magnetic logic based on diode-assisted magnetoresistance. AIP Advances, 2017, 7, .	0.6	3
890	Giant thermal Hall effect in multiferroics. Nature Materials, 2017, 16, 797-802.	13.3	91
891	Observation of anomalous Hall effect in a non-magnetic two-dimensional electron system. Nature Communications, 2017, 8, 14777.	5.8	35
892	Modeling anisotropic magnetoresistance in layered antiferromagnets. Journal of Physics Condensed Matter, 2017, 29, 235302.	0.7	1
893	Interfacial scattering effect on anomalous Hall effect in Ni/Au multilayers. Journal Physics D: Applied Physics, 2017, 50, 235002.	1.3	7

#	ARTICLE	IF	CITATIONS
894	Theory of Magnetic Response and Hall Effect in Bulk Rashba System. Journal of the Physical Society of Japan, 2017, 86, 014701.	0.7	5
895	Giant anisotropic nonlinear optical response in transition metal monpnictide Weyl semimetals. Nature Physics, 2017, 13, 350-355.	6.5	325
896	Surface current at non-magnetic metal/ferromagnetic insulator interface due to Rashba spin-orbit interaction. Journal of Magnetism and Magnetic Materials, 2017, 441, 572-577.	1.0	5
897	Superconducting Ferromagnetic Nanodiamond. ACS Nano, 2017, 11, 5358-5366.	7.3	25
898	Anomalous Hall Effect and Spontaneous Orbital Magnetization in Antiferromagnetic Weyl Metal. Journal of the Physical Society of Japan, 2017, 86, 063703.	0.7	26
899	Discovery of intrinsic quantum anomalous Hall effect in organic Mn-DCA lattice. Applied Physics Letters, 2017, 110, .	1.5	61
900	Novel domain wall dynamics in synthetic antiferromagnets. Journal of Physics Condensed Matter, 2017, 29, 303001.	0.7	27
901	Tunable perpendicular anisotropic magnetoresistance in CoO/Co/Pt heterostructures. Rare Metals, 2023, 42, 579-584.	3.6	0
902	Separation of inverse spin Hall effect and anomalous Nernst effect in ferromagnetic metals. Journal of Magnetism and Magnetic Materials, 2017, 441, 149-153.	1.0	19
903	Electrical transport properties in Fe-Cr nanocluster-assembled granular films. Journal of Magnetism and Magnetic Materials, 2017, 438, 185-192.	1.0	2
904	Atomically flat single terminated oxide substrate surfaces. Progress in Surface Science, 2017, 92, 117-141.	3.8	68
905	Scaling of anomalous Hall effect in Ta/CoFeB/MgAl ₂ O ₄ /Ta multilayers. Applied Physics Express, 2017, 10, 063003.	1.1	2
906	Magnetic skyrmions: advances in physics and potential applications. Nature Reviews Materials, 2017, 2, .	23.3	1,456
907	Route towards Dirac and Weyl antiferromagnetic spintronics. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700044.	1.2	51
908	Locality of the anomalous Hall conductivity. Physical Review B, 2017, 95, .	1.1	30
909	Effects of HfO ₂ /Co interface and Co/HfO ₂ interface on anomalous Hall behavior in perpendicular Co/Pt multilayers. Journal of Magnetism and Magnetic Materials, 2017, 433, 42-46.	1.0	6
910	Band splitting and Weyl nodes in trigonal tellurium studied by angle-resolved photoemission spectroscopy and density functional theory. Physical Review B, 2017, 95, .	1.1	56
911	Universal scaling of the anomalous Hall effect. Journal Physics D: Applied Physics, 2017, 50, 155002.	1.3	2

#	ARTICLE	IF	CITATIONS
912	Anomalous Thermal Hall Effect in a Disordered Weyl Ferromagnet. Journal of the Physical Society of Japan, 2017, 86, 054601.	0.7	7
913	Bulk Rashba Semiconductors and Related Quantum Phenomena. Advanced Materials, 2017, 29, 1605911.	11.1	28
914	Switching of a large anomalous Hall effect between metamagnetic phases of a non-collinear antiferromagnet. Scientific Reports, 2017, 7, 42982.	1.6	31
915	Electrical detection of magnetic states in crossed nanowires using the topological Hall effect. Applied Physics Letters, 2017, 110, .	1.5	8
916	Recent advances in the spin Hall effect of light. Reports on Progress in Physics, 2017, 80, 066401.	8.1	360
917	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn_3Ge and Mn_3Sn . New Journal of Physics, 2017, 19, 015008.	1.2	277
918	Gadolinium thin films as benchmark for magneto-caloric thin films. AIP Advances, 2017, 7, 056429.	0.6	3
919	Effect of intervalley interaction on band topology of commensurate graphene/EuO heterostructures. Physical Review B, 2017, 95, .	1.1	26
920	Unconventional topological Hall effect in skyrmion crystals caused by the topology of the lattice. Physical Review B, 2017, 95, .	1.1	59
921	Photonic versus electronic quantum anomalous Hall effect. Physical Review B, 2017, 95, .	1.1	23
922	Spin-orbit scattering visualized in quasiparticle interference. Physical Review B, 2017, 95, .	1.1	27
923	Concept of Quantum Geometry in Optoelectronic Processes in Solids: Application to Solar Cells. Advanced Materials, 2017, 29, 1603345.	11.1	50
924	Magnetization and anomalous Hall effect in $SiO_2/Fe/SiO_2$ trilayers. Materials Research Express, 2017, 4, 035025.	0.8	1
925	Temperature dependence of spin-orbit torques in Cu-Au alloys. Physical Review B, 2017, 95, .	1.1	39
926	Spin to Charge Interconversion Phenomena in the Interface and Surface States. Journal of the Physical Society of Japan, 2017, 86, 011001.	0.7	43
927	Canted magnetic ground state of quarter-doped manganites $R_{0.75}Ca_{0.25}MnO_3$ ($R = Y, Tb, Dy, Ho,$ and Er). Journal of Physics Condensed Matter, 2017, 29, 065802.	0.7	3
928	Magnon transport in noncollinear spin textures: Anisotropies and topological magnon Hall effects. Physical Review B, 2017, 95, .	1.1	30
929	Chemically induced large-gap quantum anomalous Hall insulator states in III-Bi honeycombs. Npj Computational Materials, 2017, 3, .	3.5	15

#	ARTICLE	IF	CITATIONS
930	Experimental evidence consistent with a magnon Nernst effect in the antiferromagnetic insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MnPS</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2017, 96, .	1.1	84
931	Dimensional Crossover-Induced Topological Hall Effect in a Magnetic Topological Insulator. Physical Review Letters, 2017, 119, 176809.	2.9	93
932	Self-organizing dynamic stability of far-from-equilibrium biological systems. Physics-Uspexhi, 2017, 60, 705-730.	0.8	14
933	Shot noise in Weyl semimetals. Physical Review B, 2017, 96, .	1.1	1
934	Hall effect spintronics for gas detection. Applied Physics Letters, 2017, 111, .	1.5	33
935	Spin Hall Effect. Springer Series in Solid-state Sciences, 2017, , 241-280.	0.3	1
936	Hall coefficient measurement for residual stress assessment in precipitation hardened IN718 nickel-base superalloy. AIP Conference Proceedings, 2017, , .	0.3	2
937	A new member of the Hall family. Nature Materials, 2017, 16, 968-969.	13.3	1
938	Carrier-controlled anomalous Hall effect in an intrinsic ferromagnetic semiconductor. Physical Review B, 2017, 96, .	1.1	14
939	Force, torque, linear momentum, and angular momentum in classical electrodynamics. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	12
940	Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095.	13.3	450
941	Emergent functions of quantum materials. Nature Physics, 2017, 13, 1056-1068.	6.5	307
942	Emergent pseudospin-1 Maxwell fermions with a threefold degeneracy in optical lattices. Physical Review A, 2017, 96, .	1.0	47
943	Some peculiarities of magnetoresistance and Hall resistance of Sb ₂ Te ₃ nanoplates. Journal of Contemporary Physics, 2017, 52, 242-248.	0.1	0
944	Interlayer exchange coupling in perpendicularly magnetized Pt/Co/Ir/Co/Pt structures. Journal Physics D: Applied Physics, 2017, 50, 465004.	1.3	22
945	Noncommutative quantum mechanics and skew scattering in ferromagnetic metals. Physical Review B, 2017, 96, .	1.1	15
946	Role of band-index-dependent transport relaxation times in anomalous Hall effect. Physical Review B, 2017, 95, .	1.1	10
947	Quantum anomalous Hall insulator phase in asymmetrically functionalized germanene. Physical Review B, 2017, 96, .	1.1	18

#	ARTICLE	IF	CITATIONS
948	Induced interactions in the BCS-BEC crossover of two-dimensional Fermi gases with Rashba spin-orbit coupling. <i>Physical Review A</i> , 2017, 95, .	1.0	7
949	Oscillating Casimir potential between two impurities in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , 2017, 96, .	1.0	1
950	Electrical detection of individual skyrmions in graphene devices. <i>Physical Review B</i> , 2017, 96, .	1.1	3
951	Nucleation and annihilation of skyrmions in Mn ₂ CoAl observed through the topological Hall effect. <i>Scientific Reports</i> , 2017, 7, 13620.	1.6	51
952	Towards properties on demand in quantum materials. <i>Nature Materials</i> , 2017, 16, 1077-1088.	13.3	560
953	Microscopic Origin of the Valley Hall Effect in Transition Metal Dichalcogenides Revealed by Wavelength-Dependent Mapping. <i>Nano Letters</i> , 2017, 17, 5719-5725.	4.5	54
954	Anomalous Hall Effect and Topological Defects in Antiferromagnetic Weyl Semimetals: Mn_3Te_2 <i>Physical Review Letters</i> , 2017, 119, 087202.	2.9	125
956	A pressure-induced topological phase with large Berry curvature in Pb _{1-x} Sn _x Te. <i>Science Advances</i> , 2017, 3, e1602510.	4.7	55
957	Conditions for the generation of spin and charge currents in bulk spin Hall devices. <i>Europhysics Letters</i> , 2017, 118, 67005.	0.7	6
958	Intrinsic and Extrinsic Spin Hall Effects of Dirac Electrons. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 094704.	0.7	10
959	A Magnetoresistance Induced by a Nonzero Berry Phase in GeTe/Sb ₂ Te ₃ Chalcogenide Superlattices. <i>Advanced Functional Materials</i> , 2017, 27, 1702243.	7.8	24
960	Magnetic two-dimensional organic topological insulator: Au ^{1,3,5} -triethynylbenzene framework. <i>Journal of Chemical Physics</i> , 2017, 147, 104704.	1.2	9
961	Size-dependent electrical transport properties in Co nanocluster-assembled granular films. <i>Scientific Reports</i> , 2017, 7, 11666.	1.6	8
962	Wigner function and kinetic phenomena for chiral plasma in a strong magnetic field. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
963	Electrical Control of Metallic Heavy-Metal Ferromagnet Interfacial States. <i>Physical Review Applied</i> , 2017, 8, .	1.5	19
964	Sub-picosecond temporal resolution of anomalous Hall currents in GaAs. <i>Scientific Reports</i> , 2017, 7, 11241.	1.6	4
965	Skyrmions in magnetic multilayers. <i>Physics Reports</i> , 2017, 704, 1-49.	10.3	412
966	Signatures of lattice geometry in quantum and topological Hall effect. <i>New Journal of Physics</i> , 2017, 19, 063042.	1.2	18

#	ARTICLE	IF	CITATIONS
985	Structure and magnetic properties of Ni-poly(p-xylylene) nanocomposites synthesized by vapor deposition polymerization. Journal of Physics and Chemistry of Solids, 2017, 111, 245-253.	1.9	11
986	Anomalous Hall effect and magnetic orderings in nanothick V_5S_8 . Physical Review B, 2017, 96, .	1.1	43
987	Relation of the Dzyaloshinskii-Moriya interaction to spin currents and to the spin-orbit field. Physical Review B, 2017, 96, .	1.1	33
988	Topological responses from chiral anomaly in multi-Weyl semimetals. Physical Review B, 2017, 96, .	1.1	64
989	Enhanced spin-orbit torque by engineering Pt resistivity in CpO_x structures. Physical Review B, 2017, 96, .	1.1	69
990	M_2H -phase M_2X		

#	ARTICLE	IF	CITATIONS
1003	Hall effect measurements of high-quality Mn_3CuN thin films and the electronic structure. <i>Physical Review B</i> , 2017, 96, .	1.1	7
1004	Evidence for the absence of electron-electron Coulomb interaction quantum correction to the anomalous Hall effect in Co_2MnSi Heusler-alloy thin films. <i>Physical Review B</i> , 2017, 96, .	1.1	22
1005	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetolectric Multiferroic. <i>Scientific Reports</i> , 2017, 7, 15460.	1.6	25
1006	Fermionic Hubbard model with Rashba or Dresselhaus spin-orbit coupling. <i>New Journal of Physics</i> , 2017, 19, 063025.	1.2	9
1007	Magnetic two-dimensional electron gas at the manganite-buffered $LaAlO_3/SrTiO_3$ interface. <i>Physical Review B</i> , 2017, 96, .	1.1	56
1008	Intrinsic Dirac half-metal and quantum anomalous Hall phase in a hexagonal metal-oxide lattice. <i>Physical Review B</i> , 2017, 96, .	1.1	161
1009	Mixed Weyl semimetals and low-dissipation magnetization control in insulators by spin-orbit torques. <i>Nature Communications</i> , 2017, 8, 1479.	5.8	42
1010	Spin-charge conversion in disordered two-dimensional electron gases lacking inversion symmetry. <i>Physical Review B</i> , 2017, 96, .	1.1	8
1011	Large negative magnetoresistance of a nearly Dirac material: Layered antimonide $EuMnSb_2$. <i>Physical Review B</i> , 2017, 96, .	1.1	50
1012	Gauge-invariant theory of quasiparticle and condensate dynamics in response to terahertz optical pulses in superconducting semiconductor quantum wells. I. s-wave superconductivity in the weak spin-orbit coupling limit. <i>Physical Review B</i> , 2017, 96, .	1.1	21
1013	Anisotropic anomalous Hall effect in triangular itinerant ferromagnet Fe_1-xMn_x . <i>Physical Review B</i> , 2017, 96, .	1.3	108
1014	Single Crystal Growth and Spin Polarization Measurements of Diluted Magnetic Semiconductor $(BaK)(ZnMn)_2As_2$. <i>Scientific Reports</i> , 2017, 7, 14473.	1.6	25
1015	Enhancement of the anomalous Nernst effect in ferromagnetic thin films. <i>Physical Review B</i> , 2017, 96, .	1.1	77
1016	Large magneto-optical effects in hole-doped blue phosphorene and gray arsenene. <i>Nanoscale</i> , 2017, 9, 17405-17414.	2.8	25
1017	Anomalous Hall effect scaling in ferromagnetic thin films. <i>Physical Review B</i> , 2017, 96, .	1.1	6
1018	Magnetotransport properties in the noncentrosymmetric itinerant ferromagnet $Cr_{11}Ge_{19}$. <i>Physical Review B</i> , 2017, 96, .	1.1	3
1019	Magnetism of Nanomaterials. , 2017, , 29-80.		0
1020	Anomalous, spin, and valley Hall effects in graphene deposited on ferromagnetic substrates. <i>2D Materials</i> , 2017, 4, 034003.	2.0	36

#	ARTICLE	IF	CITATIONS
1021	Above 400-K robust perpendicular ferromagnetic phase in a topological insulator. <i>Science Advances</i> , 2017, 3, e1700307.	4.7	138
1022	Stress Assessment in Precipitation Hardened IN718 Nickel-Base Superalloy Based on Hall Coefficient Measurements. <i>Journal of Nondestructive Evaluation</i> , 2017, 36, 1.	1.1	13
1023	Effective field theory of an anomalous Hall metal from interband quantum fluctuations. <i>Physical Review B</i> , 2017, 96, .	1.1	1
1024	Space group constraints on weak indices in topological insulators. <i>Physical Review B</i> , 2017, 96, .	1.1	8
1025	Geometric valley Hall effect and valley filtering through a singular Berry flux. <i>Physical Review B</i> , 2017, 96, .	1.1	21
1026	Electronic transport on the Shastry-Sutherland lattice in Ising-type rare-earth tetraborides. <i>Physical Review B</i> , 2017, 95, .	1.1	25
1027	Kinetic orbital moments and nonlocal transport in disordered metals with nontrivial band geometry. <i>Physical Review B</i> , 2017, 96, .	1.1	12
1028	Heusler 4.0: Tunable Materials. <i>Annual Review of Materials Research</i> , 2017, 47, 247-270.	4.3	132
1029	Large Inverse Spin Hall Effect in Co-Pt Spin-Valve Heterostructures. <i>Physical Review Applied</i> , 2017, 7, .	1.5	10
1030	Imaging Magnetization Structure and Dynamics in Ultrathin $\text{Y}_3\text{Fe}_5\text{O}_{12}$ Bilayers with High Sensitivity Using the Time-Resolved Physical Review Applied, 2017, 7, .	1.1	10
1031	Mechanical topological semimetals with massless quasiparticles and a finite Berry curvature. <i>Physical Review B</i> , 2017, 95, .	1.1	10
1032	Detection of induced paramagnetic moments in Pt on $\text{Y}_3\text{Fe}_5\text{O}_{12}$ via x-ray magnetic circular dichroism. <i>Physical Review B</i> , 2017, 95, .	1.1	10
1033	Zeno Hall Effect. <i>Physical Review Letters</i> , 2017, 118, 200401.	2.9	46
1034	Topological Fermi-liquid theory for interacting Weyl metals with time reversal symmetry breaking. <i>Physical Review B</i> , 2017, 95, .	1.1	12
1035	Anomalous Hall Coulomb drag of massive Dirac fermions. <i>Physical Review B</i> , 2017, 95, .	1.1	8
1036	Topological non-Fermi liquid. <i>Physical Review D</i> , 2017, 95, .	1.6	4
1037	Transparent magnetic semiconductor with embedded metallic glass nano-granules. <i>Materials and Design</i> , 2017, 132, 208-214.	3.3	16
1038	Interband coherence response to electric fields in crystals: Berry-phase contributions and disorder effects. <i>Physical Review B</i> , 2017, 96, .	1.1	57

#	ARTICLE	IF	CITATIONS
1039	Strong correlation effects on surfaces of topological insulators via holography. Physical Review B, 2017, 96, .	1.1	16
1040	Current-induced spin polarization of a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. Physical Review B, 2017, 95, .	1.1	13
1041	Structure, site-specific magnetism, and magnetotransport properties of epitaxial D_{22}O thin films. Physical Review B, 2017, 96, .	1.1	16
1042	Anomalous Hall effect in ion-beam sputtered Co_2FeAl full Heusler alloy thin films. Journal of Magnetism and Magnetic Materials, 2017, 442, 288-294.	1.0	20
1043	Conductivity and anomalous Hall effect in film magnetic nanocomposites based on nonstoichiometric oxides. Journal of Surface Investigation, 2017, 11, 549-553.	0.1	1
1044	Tunneling anomalous Hall effect in nanogranular CoFe-B-Al-O films near the metal-insulator transition. Physical Review B, 2017, 95, .	1.1	39
1045	Thermoelectric transport properties in magnetically ordered crystals. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, 333-345.	0.0	5
1046	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	16.4	672
1047	Scaling of the Hall effects beyond the quantum resistance threshold in oxidized CoFeB . Physical Review B, 2017, 95, .	1.1	1
1048	Nanoscale thermoelectrical detection of magnetic domain wall propagation. Physical Review B, 2017, 95, .	1.1	17
1049	Reconfigurable Magnetic Logic Combined with Nonvolatile Memory Writing. Advanced Materials, 2017, 29, 1605027.	11.1	35
1050	Tunable magneto-optical effects in hole-doped group-IIIa metal-monochalcogenide monolayers. 2D Materials, 2017, 4, 015017.	2.0	47
1051	Kinetic theory and anomalous transports in the presence of nonabelian phase-space Berry curvatures. Progress of Theoretical and Experimental Physics, 2017, 2017, .	1.8	3
1052	Weyl fermions in antiferromagnetic Mn_3Sn and Mn_3Ge . Europhysics Letters, 2017, 120, 47002.	0.7	42
1053	Observation of superparamagnetism in coexistence with quantum anomalous Hall $\nu = \pm 1$ and $\nu = 0$ Chern states. Npj Quantum Materials, 2017, 2, .	1.8	23
1054	Spin-Orbitronics at Transition Metal Interfaces. Solid State Physics, 2017, 68, 1-89.	1.3	28
1055	Sensitivity of the anomalous Hall effect to disorder correlations. Physical Review B, 2017, 96, .	1.1	26
1056	Topological spin-hedgehog crystals of a chiral magnet as engineered with magnetic anisotropy. Physical Review B, 2017, 96, .	1.1	25

#	ARTICLE	IF	CITATIONS
1057	Pressure tuning of collapse of helimagnetic structure in AuMn_2Sb . Physical Review B, 2017, 96, .		
1058	Design and Synthesis of an Artificial Perpendicular Hard Ferrimagnet with High Thermal and Magnetic Field Stabilities. Scientific Reports, 2017, 7, 16990.	1.6	8
1059	Spin injection and detection via the anomalous spin Hall effect of a ferromagnetic metal. Physical Review B, 2017, 96, .	1.1	66
1060	Quantum kinetic theory of the chiral anomaly. Physical Review B, 2017, 96, .	1.1	46
1061	Spin-orbit driven phenomena in the isoelectronic L10 -Fe(Pd,Pt) alloys from first principles. Physical Review B, 2017, 96, .	1.1	2
1062	Holographic DC conductivity and Onsager relations. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
1063	Magnetotransport properties of CrI_3/Te thin films with strong perpendicular magnetic anisotropy. AIP Advances, 2017, 7, 125116.	0.6	12
1064	Ambi-polar anomalous Nernst effect in a magnetic topological insulator. New Journal of Physics, 2017, 19, 113009.	1.2	4
1065	Modelling Magnetoresistance Effect in Limited Anisotropic Semiconductors. Chinese Physics Letters, 2017, 34, 077201.	1.3	6
1066	Structural and electronic properties of hydrogenated GaBi and InBi honeycomb monolayers with point defects. RSC Advances, 2018, 8, 7022-7028.	1.7	9
1067	Magnetotransport properties in the magnetic phase of $\text{BaFe}_2\text{As}_2(\text{T}=\text{Co,Ni})$: A magnetic excitations approach. Physical Review B, 2018, 97, .	1.1	1
1068	First-principles Theory of Magnetic Multipoles in Condensed Matter Systems. Journal of the Physical Society of Japan, 2018, 87, 041008.	0.7	56
1069	Robust emergence of a topological Hall effect in MnGa/heavy metal bilayers. Physical Review B, 2018, 97, .	1.1	19
1070	Anomalous Hall conductivity and electronic structures of Si-substituted Mn_2Te epitaxial films. Physical Review B, 2018, 97, .		
1071	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
1072	Current-induced magnetic switching with spin-orbit torque in an interlayer-coupled junction with a Ta spacer layer. Scientific Reports, 2018, 8, 3826.	1.6	31
1073	The enhancement of anomalous Hall effect by inserting MgO layer in perpendicular anisotropic Pd/Co ₂ MnSi/MgO/Pd films. AIP Advances, 2018, 8, .	0.6	5
1074	Link between the photonic and electronic topological phases in artificial graphene. Physical Review B, 2018, 97, .	1.1	14

#	ARTICLE	IF	CITATIONS
1075	Nonmonotonic and anisotropic magnetoresistance effect in antiferromagnet CaMn_2Bi_2 . Physical Review B, 2018, 97, .	1.1	6
1076	Magnetic two-dimensional electron gases with high Curie temperatures at $\text{LaAlO}_3/\text{SrTiO}_3$ interfaces. Physical Review B, 2018, 97, .	1.1	2
1077	Reversible electrical-field control of magnetization and anomalous Hall effect in Co/PMN-PT hybrid heterostructures. Applied Physics Letters, 2018, 112, .	1.5	6
1078	Transport, Magnetic, and Memristive Properties of a Nanogranular $(\text{CoFeB})_x(\text{LiNbO}_3)_{100-x}$ Composite Material. Journal of Experimental and Theoretical Physics, 2018, 126, 353-367.	0.2	55
1079	Magnetic phase dependence of the anomalous Hall effect in Mn_3Sn single crystals. Applied Physics Letters, 2018, 112, .	1.5	71
1080	Anomalous Hall effect in $\text{Co}_x\text{Si}_{1-x}$ granular films deposited by magnetron co-sputtering. Journal of Materials Science: Materials in Electronics, 2018, 29, 9814-9820.	1.1	0
1081	Taking an electron-magnon duality shortcut from electron to magnon transport. Physical Review B, 2018, 97, .	1.1	26
1082	Inducing ferromagnetism and Kondo effect in platinum by paramagnetic ionic gating. Science Advances, 2018, 4, eaar2030.	4.7	30
1083	Anomalous Hall effect in the van der Waals bonded ferromagnet Fe_3Sn_2 . Physical Review B, 2018, 97, .	1.1	43
1084	Colloquium: Strong-field phenomena in periodic systems. Reviews of Modern Physics, 2018, 90, .	16.4	192
1085	Theory of in-plane current induced spin torque in metal/ferromagnet bilayers. Journal of Physics Condensed Matter, 2018, 30, 205803.	0.7	4
1086	Universality from disorder in the random-bond Blume-Capel model. Physical Review E, 2018, 97, 040102.	0.8	24
1087	Diffusive real-time dynamics of a particle with Berry curvature. Physical Review B, 2018, 97, .	1.1	6
1088	Controlling the anomalous Hall effect by electric-field-induced piezo-strain in $\text{Fe}_{40}\text{Pt}_{60}/(001)\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_0.67\text{Ti}_{0.33}\text{O}_3$ multiferroic heterostructures. Applied Physics Letters, 2018, 112, .	1.5	7
1089	Gyrotropic effects in trigonal tellurium studied from first principles. Physical Review B, 2018, 97, .	1.1	95
1090	Experimental evidence for an anisotropic Berry-phase effect on the anomalous Hall effect in MnAs films. Physical Review B, 2018, 97, .	1.1	3
1091	Electric-field control of ferromagnetism in a Co-Fe-Ta-B amorphous alloy. Materials and Design, 2018, 143, 65-71.	3.3	7
1092	Relativistic Wigner functions in transition metal dichalcogenides. Journal of Computational Electronics, 2018, 17, 110-117.	1.3	10

#	ARTICLE	IF	CITATIONS
1093	Antiferromagnetic spintronics. <i>Reviews of Modern Physics</i> , 2018, 90, .	16.4	1,536
1094	Electric-field control of anomalous and topological Hall effects in oxide bilayer thin films. <i>Nature Communications</i> , 2018, 9, 213.	5.8	152
1095	Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. <i>Nature Photonics</i> , 2018, 12, 73-78.	15.6	260
1096	Electrical detection of single magnetic skyrmions in metallic multilayers at room temperature. <i>Nature Nanotechnology</i> , 2018, 13, 233-237.	15.6	204
1097	Fermi-level tuning of the Dirac surface state in (Bi _{1-x} Sb _x) ₂ Se ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 085501.	0.7	13
1098	Dynamical correlation functions and the related physical effects in three-dimensional Weyl/Dirac semimetals. <i>Physical Review B</i> , 2018, 97, .	1.1	25
1099	Topological Nodal Cooper Pairing in Doped Weyl Metals. <i>Physical Review Letters</i> , 2018, 120, 067003.	2.9	68
1100	Spin chirality induced skew scattering and anomalous Hall effect in chiral magnets. <i>Science Advances</i> , 2018, 4, eaap9962.	4.7	77
1101	Characteristics of chiral anomaly in view of various applications. <i>Physical Review D</i> , 2018, 97, .	1.6	6
1102	Transport properties of Rashba conducting strips coupled to magnetic moments with spiral order. <i>Physical Review B</i> , 2018, 97, .	1.1	0
1103	Weyl and Dirac semimetals in three-dimensional solids. <i>Reviews of Modern Physics</i> , 2018, 90, .	16.4	3,031
1104	Observation of unconventional anomalous Hall effect in epitaxial CrTe thin films. <i>Nano Research</i> , 2018, 11, 3116-3121.	5.8	63
1105	Semiclassical dynamics of spin density waves. <i>Physical Review B</i> , 2018, 97, .	1.1	27
1106	Magnetoresistance originated from charge-spin conversion in ferromagnet. <i>AIP Advances</i> , 2018, 8, 055916.	0.6	3
1107	A $\hat{\Gamma}^2$ -Ta system for current induced magnetic switching in the absence of external magnetic field. <i>AIP Advances</i> , 2018, 8, .	0.6	8
1108	Quantum anomalous Hall state from spatially decaying interactions on the decorated honeycomb lattice. <i>Physical Review B</i> , 2018, 97, .	1.1	13
1109	From a semimetal to a chiral Fulde-Ferrell superfluid. <i>Physical Review B</i> , 2018, 97, .	1.1	10
1110	External electric field driven modification of the anomalous and spin Hall conductivities in Fe thin films on MgO(001). <i>Physical Review B</i> , 2018, 97, .	1.1	7

#	ARTICLE	IF	CITATIONS
1111	Berry curvature dipole in Weyl semimetal materials: An <i>ab initio</i> study. Physical Review B, 2018, 97, . Inverse spin Hall effect in Cu_2S	1.1	150
1112	Topological Anomalous Hall Effect in Bi_2Se_3	1.1	26
1113	Composition-dependent magnetic response properties of $\text{Mn}_{1-x}\text{Fe}_x\text{Ge}$ alloys. Physical Review B, 2018, 97, .	1.1	11
1114	Thermally driven anomalous Hall effect transitions in FeRh. Physical Review B, 2018, 97, .	1.1	9
1115	Anomalous Nernst-Ettingshausen effect in $\text{Mn}/\text{GaAs}/\text{InGaAs}$ ferromagnetic semiconductor heterostructures. Journal of Physics: Conference Series, 2018, 993, 012015.	0.3	2
1116	Phase transition and field effect topological quantum transistor made of monolayer MoS_2 . Journal of Physics Condensed Matter, 2018, 30, 235303.	0.7	2
1117	Chiral magnetic effect of light. Physical Review B, 2018, 97, .	1.1	5
1118	Emerging two-dimensional ferromagnetism in silicene materials. Nature Communications, 2018, 9, 1672.	5.8	103
1119	Proximity-induced magnetism and an anomalous Hall effect in $\text{Bi}_2\text{Se}_3/\text{LaCoO}_3$: a topological insulator/ferromagnetic insulator thin film heterostructure. Nanoscale, 2018, 10, 10041-10049.	2.8	30
1120	Spin Hall and Spin Swapping Torques in Diffusive Ferromagnets. Physical Review Letters, 2018, 120, 176802.	2.9	46
1121	Topological thermal Hall effect due to Weyl magnons. Canadian Journal of Physics, 2018, 96, 1216-1223.	0.4	8
1122	Observation of large exchange bias and topological Hall effect in manganese nitride films. Applied Physics Letters, 2018, 112, .	1.5	18
1123	Microscopic Description of Electric and Magnetic Toroidal Multipoles in Hybrid Orbitals. Journal of the Physical Society of Japan, 2018, 87, 033709.	0.7	58
1124	Influence of surface and interface modification on the electrical transport behaviors in Co/Cu nanocomposite films. Journal of Magnetism and Magnetic Materials, 2018, 460, 34-40.	1.0	1
1125	The effects of geometry, exchange and electric fields on transport properties of nonsymmetric T-shaped silicene nanoribbons. Solid State Communications, 2018, 276, 19-23.	0.9	2
1126	Topological Materials: Quantum Anomalous Hall System. Annual Review of Condensed Matter Physics, 2018, 9, 329-344.	5.2	134
1127	Anomalous Hall effect assisted by interfacial chemical reaction in perpendicular Co/Pt multilayers. Journal of Magnetism and Magnetic Materials, 2018, 454, 264-266.	1.0	2
1128	Transport coefficients of Dirac ferromagnet: Effects of vertex corrections. Physical Review B, 2018, 97, .	1.1	2

#	ARTICLE	IF	CITATIONS
1129	Two-component anomalous Hall effect in a magnetically doped topological insulator. <i>Nature Communications</i> , 2018, 9, 1282.	5.8	40
1130	Interfacial scattering effect on anisotropic magnetoresistance and anomalous Hall effect in Ta/Fe multilayers. <i>AIP Advances</i> , 2018, 8, 055813.	0.6	2
1131	Anomalous magnon Nernst effect of topological magnonic materials. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 194001.	1.3	12
1132	<i>In situ</i> Kerr and harmonic measurement in determining current-induced effective fields in MgO/CoFeB/Ta. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 115004.	1.3	9
1133	Massive Dirac fermions in a ferromagnetic kagome metal. <i>Nature</i> , 2018, 555, 638-642.	13.7	544
1134	Multiterminal conductance at the surface of a Weyl semimetal. <i>Physical Review B</i> , 2018, 97, .	1.1	5
1135	Electrical switching of the anomalous Hall effect. <i>Nature Electronics</i> , 2018, 1, 154-155.	13.1	8
1136	Tunable anomalous Hall effect in multilayers induced by artificial interfacial scattering dots. <i>AIP Advances</i> , 2018, 8, 035206.	0.6	0
1137	Focused electron beam induced deposition meets materials science. <i>Microelectronic Engineering</i> , 2018, 185-186, 9-28.	1.1	122
1138	Approaching quantum anomalous Hall effect in proximity-coupled YIG/graphene/h-BN sandwich structure. <i>APL Materials</i> , 2018, 6, .	2.2	35
1139	Semiclassical Boltzmann theory of spin Hall effects in giant Rashba systems. <i>Frontiers of Physics</i> , 2018, 13, 1.	2.4	7
1140	Spin-polarized transport in multiterminal silicene nanodevices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 220-223.	0.9	6
1141	Atomic layer doping of Mn magnetic impurities from surface chains at a Ge/Si hetero-interface. <i>Nanoscale</i> , 2018, 10, 295-301.	2.8	4
1142	Effective interactions in a graphene layer induced by the proximity to a ferromagnet. <i>2D Materials</i> , 2018, 5, 014004.	2.0	24
1143	Interfacial chemical structure-modulated anomalous Hall effect in perpendicular Co/Pt multilayers. <i>Applied Surface Science</i> , 2018, 433, 556-559.	3.1	5
1144	Engineering of high-temperature ferromagnetic Si _{1-x} Mn _x (x=0.5) alloyed films by pulsed laser deposition: Effect of laser fluence. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 459, 206-210.	1.0	4
1145	Guidelines for the evaluation of magnetotransport parameters from measurements on thin strip-shaped samples of bulk metallic ferromagnets with finite residual resistivity. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	8
1146	Design of a multifunctional sample probe for transport measurements. <i>Turkish Journal of Physics</i> , 2018, 42, .	0.5	2

#	ARTICLE	IF	CITATIONS
1147	Impurity-induced vector spin chirality and anomalous Hall effect in ferromagnetic metals. <i>New Journal of Physics</i> , 2018, 20, 123027.	1.2	10
1148	A Self Fixing Intelligent Ant Clustering Algorithm For Graphs. , 2018, , .		2
1149	Observation of Extrinsic Photo-Induced Inverse Spin Hall Effect in a GaAs/AlGaAs Two-Dimensional Electron Gas. <i>Nanoscale Research Letters</i> , 2018, 13, 320.	3.1	1
1150	Anomalous Hall effect in thin films of the Weyl antiferromagnet Mn ₃ Sn. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	97
1151	Anomalous Hall effect in the trigonal CrMn_2S_4 single crystal. <i>Physical Review B</i> , 2018, 98, .	1.5	27
1152	Temperature independent, wide modulation of anomalous Hall effect by Mn doping in Fe ₄ N pseudo-single-crystal films. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 120305.	0.8	10
1153	Alternative to the topological interpretation of the transverse resistivity anomalies in SrRuO_3 . <i>Physical Review B</i> , 2018, 98, .	1.1	17
1154	Magnetically Doped Topological Insulator Thin Films. , 2018, , 351-366.		0
1155	Raising the Operating Temperature of (Ga,Mn)As/GaAs Spin Light Emitting Diodes by Applying Post-Growth Treatment. <i>Physics of the Solid State</i> , 2018, 60, 2182-2187.	0.2	1
1156	Scanning Tunneling Spectroscopies of Magnetic Atoms, Clusters, and Molecules. <i>Nanoscience and Technology</i> , 2018, , 25-53.	1.5	1
1157	Systematic Study of Ferromagnetism in Cr _x Sb _{2-\hat{x}} Te ₃ Topological Insulator Thin Films using Electrical and Optical Techniques. <i>Scientific Reports</i> , 2018, 8, 17024.	1.6	12
1158	Dirac points merging and wandering in a model Chern insulator. <i>Europhysics Letters</i> , 2018, 124, 67003.	0.7	2
1159	Anomalous Hall effect of the quasi-two-dimensional weak itinerant ferromagnet Cr _{4.14} Te ₈ . <i>Europhysics Letters</i> , 2018, 124, 67005.	0.7	22
1160	Spin Hall effect and current induced magnetic switching in antiferromagnetic IrMn. <i>AIP Advances</i> , 2018, 8, .	0.6	9
1161	Anomalous Nernst effect on a magnetically doped topological insulator surface: A Green's function approach. <i>Physical Review B</i> , 2018, 98, .	1.1	5
1162	Band Signatures for Strong Nonlinear Hall Effect in Bilayer WTe_2 . <i>Physical Review Letters</i> . 2018. 121. 266601.	2.9	128
1163	Higher angular momentum band inversions in two dimensions. <i>Physical Review B</i> , 2018, 98, .	1.1	6
1164	Photocontrol of magnetic structure in an itinerant magnet. <i>Physical Review B</i> , 2018, 98, .	1.1	11

#	ARTICLE	IF	CITATIONS
1165	Magnetocrystalline anisotropy and exchange probed by high-field anomalous Hall effect in fully compensated half-metallic Mn_2Te thin films. <i>Physical Review B</i> , 2018, 98, .	1.1	20
1166	Unified theory of magnetization dynamics with relativistic and nonrelativistic spin torques. <i>Physical Review B</i> , 2018, 98, .	1.1	13
1167	Corbino magnetoresistance in ferromagnetic layers: Two representative examples $\text{Ni}_{81}\text{Co}_{19}$ and $\text{Co}_{83}\text{Mn}_{17}$. <i>Physical Review B</i> , 2018, 98, .	1.1	6
1168	Anomalous Hall magnetoresistance in metastable antiferromagnetic FeMn . <i>AIP Advances</i> , 2018, 8, .	0.6	4
1169	Characterization of topological band structures away from the Fermi level by the anomalous Nernst effect. <i>Physical Review B</i> , 2018, 98, .	1.1	37
1170	Observation of the geometric phase effect in the $\text{H} + \text{HD} \rightarrow \text{H}_2 + \text{D}$ reaction. <i>Science</i> , 2018, 362, 1289-1293.	6.0	99
1171	Nontrivial topology and localization in the double exchange model with possible applications to perovskite manganites. <i>Physical Review B</i> , 2018, 98, .	1.1	6
1172	Two-Particle Collisional Coordinate Shifts and Hydrodynamic Anomalous Hall Effect in Systems without Lorentz Invariance. <i>Physical Review Letters</i> , 2018, 121, 226601.	2.9	8
1173	Anomalous Hall effect in polycrystalline Mn_3Sn thin films. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	50
1174	Epitaxial Mn_5Ge_3 (100) layer on Ge (100) substrates obtained by flash lamp annealing. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	14
1175	Memristive behavior of field-driven domain-wall motion in a width-modulated structure with multiple Hall crosses. <i>Journal of Applied Physics</i> , 2018, 124, 193902.	1.1	1
1176	Calculation of intrinsic spin Hall conductivity by Wannier interpolation. <i>Physical Review B</i> , 2018, 98, .	1.1	80
1177	Anomalous Hall effect in SmN : Influence of orbital magnetism and d -band conduction. <i>Physical Review B</i> , 2018, 98, .	1.1	12
1178	Electric Polarization in Magnetic Topological Nodal Semimetal Thin Films. <i>Condensed Matter</i> , 2018, 3, 43.	0.8	4
1179	From Colossal to Zero: Controlling the Anomalous Hall Effect in Magnetic Heusler Compounds via Berry Curvature Design. <i>Physical Review X</i> , 2018, 8, .	2.8	74
1180	Current-driven magnetization switching in ferromagnetic bulk Rashba semiconductor $(\text{Ge},\text{Mn})\text{Te}$. <i>Science Advances</i> , 2018, 4, eaat9989.	4.7	28
1181	Free-layer-thickness-dependence of the spin galvanic effect with spin rotation symmetry. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	10
1182	Interface-Generated Spin Currents. <i>Physical Review Letters</i> , 2018, 121, 136805.	2.9	161

#	ARTICLE	IF	CITATIONS
1183	Interatomic orbital magnetism: The case of 3d adatoms deposited on the Pt(111) surface. <i>Physical Review B</i> , 2018, 98, .	1.1	4
1184	Six-dimensional quantum Hall effect and three-dimensional topological pumps. <i>Physical Review B</i> , 2018, 98, .	1.1	54
1185	Tuning Anti-Klein to Klein Tunneling in Bilayer Graphene. <i>Physical Review Letters</i> , 2018, 121, 127706.	2.9	39
1186	Electronic transport and phonon properties of maximally disordered alloys: From binaries to high-entropy alloys. <i>Journal of Materials Research</i> , 2018, 33, 2857-2880.	1.2	31
1187	Deciphering the origin of nonlocal resistance in multiterminal graphene on hexagonal-boron-nitride with <i>ab initio</i> quantum transport: Fermi surface edge currents rather than Fermi sea topological valley currents. <i>JPhys Materials</i> , 2018, 1, 015006.	1.8	24
1188	Boltzmann approach to spin-orbit-induced transport in effective quantum theories. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 415002.	0.7	6
1189	Anisotropic conductivity in 2D massive Dirac Fermions: an effect of time reversal symmetry breaking in the surface states of a topological insulator. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 445302.	0.7	1
1190	Spin Transfer Torque Driven Magnetodynamical Solitons. <i>Springer Series in Solid-state Sciences</i> , 2018, , 335-356.	0.3	1
1191	Skyrmion Lattices Far from Equilibrium. <i>Springer Series in Solid-state Sciences</i> , 2018, , 151-176.	0.3	1
1192	Anomalous Hall Effect. <i>Springer Series in Solid-state Sciences</i> , 2018, , 177-207.	0.3	0
1193	Spin Hall Effect. <i>Springer Series in Solid-state Sciences</i> , 2018, , 209-237.	0.3	0
1194	Interface-Induced Anomalous Hall Conductivity in a Confined Metal. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35589-35598.	4.0	4
1195	Berry curvature dipole current in the transition metal dichalcogenides family. <i>Physical Review B</i> , 2018, 98, .	1.1	121
1196	Classification of atomic-scale multipoles under crystallographic point groups and application to linear response tensors. <i>Physical Review B</i> , 2018, 98, .	1.1	140
1197	Time-resolved Hall conductivity of pulse-driven topological quantum systems. <i>Physical Review B</i> , 2018, 98, .	1.1	15
1200	Invariance and Quantization of Charges and Currents. , 0, , 5-37.		0
1201	Review of Electronic Structure Theory. , 0, , 38-74.		0
1202	Berry Phases and Curvatures. , 0, , 75-140.		1

#	ARTICLE	IF	CITATIONS
1203	Electric Polarization. , 0 , , 141-200.		1
1204	Topological Insulators and Semimetals. , 0 , , 201-275.		0
1205	Orbital Magnetization and Axion Coupling. , 0 , , 276-315.		0
1212	Highly Secure Physically Unclonable Cryptographic Primitives Based on Interfacial Magnetic Anisotropy. Nano Letters, 2018, 18, 7211-7216.	4.5	36
1213	Temperature study of the giant spin Hall effect in the bulk limit of $W\hat{I}^2$. Physical Review B, 2018, 98, .	1.5	21
1214	Tunneling anomalous Hall effect in a ferroelectric tunnel junction. Applied Physics Letters, 2018, 113, 172405.	1.5	21
1215	Magnetotransport properties of \hat{I}^3 -FeMn thin films grown by high-temperature sputtering. AIP Advances, 2018, 8, 085018.	0.6	6
1216	Magnetic Moments and Electron Transport through Chromium-Based Antiferromagnetic Nanojunctions. Materials, 2018, 11, 2030.	1.3	3
1217	Extrinsic spin-charge coupling in diffusive superconducting systems. Physical Review B, 2018, 98, .	1.1	13
1218	Classical phase diagram of the stuffed honeycomb lattice. Physical Review B, 2018, 98, .	1.1	5
1219	Skyrmions and Antiskyrmions in Quasi-Two-Dimensional Magnets. Frontiers in Physics, 2018, 6, .	1.0	49
1220	Collective dynamics of Fermi surface fluctuations in an interacting Weyl metal phase. Physical Review B, 2018, 98, .	1.1	1
1221	Anomalous Hall and Nernst Effects in Co_2TiSn and Co_2TiSn . Physical Review Applied, 2018, 10, .	1.5	24
1222	Influence of the Dzyaloshinskii-Moriya interaction on the topological Hall effect in crossed nanowires. Applied Physics Express, 2018, 11, 113003.	1.1	3
1223	Hall and Faraday effects in interacting multiband systems with arbitrary band topology and spin-orbit coupling. Physical Review B, 2018, 98, .	1.1	12
1224	High-temperature magnetism and microstructure of a semiconducting ferromagnetic (GaSb) _{1-x} (MnSb) _x alloy. Beilstein Journal of Nanotechnology, 2018, 9, 2457-2465.	1.5	9
1225	Loss of Hall conductivity quantization in a non-Hermitian quantum anomalous Hall insulator. Physical Review B, 2018, 98, .	1.1	53
1226	Anomalous Hall Effect in 2D Dirac Materials. Physical Review Letters, 2018, 121, 126802.	2.9	33

#	ARTICLE	IF	CITATIONS
1227	Magnetic Proximity Effect and Anomalous Hall Effect in Pt/Y heterostructures. Physical Review Applied, 2018, 10, .	1.5	12
1228	Suppression of anomalous Hall effect by heavy-fermion in epitaxial antiperovskite Mn_4xGdxN films. Journal of Applied Physics, 2018, 124, .	1.1	8
1229	Control of anomalous Nernst effect in spintronic materials. Japanese Journal of Applied Physics, 2018, 57, 0902A6.	0.8	3
1230	Nonreciprocal responses from non-centrosymmetric quantum materials. Nature Communications, 2018, 9, 3740.	5.8	339
1231	Large intrinsic anomalous Hall effect in half-metallic ferromagnet $\text{Co}_3\text{Sn}_2\text{S}_2$ with magnetic Weyl fermions. Nature Communications, 2018, 9, 3681.	5.8	446
1232	Tight-binding calculations of optical matrix elements for conductivity using nonorthogonal atomic orbitals: Anomalous Hall conductivity in bcc Fe. Physical Review B, 2018, 98, .	1.1	26
1233	Structural, magnetic, and electron-transport properties of epitaxial Mn_2PtSn films. Journal of Applied Physics, 2018, 124, 103903.	1.1	11
1234	Unconventional anomalous Hall effect from antiferromagnetic domain walls of Mn_2Pt . Physical Review Letters, 2018, 121, 096802.	1.1	24
1235	Topological Transitions Induced by Antiferromagnetism in a Thin-Film Topological Insulator. Physical Review Letters, 2018, 121, 096802.	2.9	42
1236	The Story So Far. Springer Theses, 2018, , 1-30.	0.0	0
1237	Efficient Injection and Detection of Out-of-Plane Spins via the Anomalous Spin Hall Effect in Permalloy Nanowires. Nano Letters, 2018, 18, 5633-5639.	4.5	34
1238	The effect of inserted layers on the anomalous Hall effect and perpendicular magnetic anisotropy in $\text{Ta}/\text{CoFeB}/\text{MgO}$ heterostructures. AIP Advances, 2018, 8, 075103.	0.6	0
1239	Direct evidence of ferromagnetism in a quantum anomalous Hall system. Nature Physics, 2018, 14, 791-795.	6.5	65
1240	Precessional switching of antiferromagnets by electric field induced Dzyaloshinskii-Moriya torque. Physical Review B, 2018, 97, .	1.1	6
1241	Measuring the quantum geometric tensor in two-dimensional photonic and exciton-polariton systems. Physical Review B, 2018, 97, .	1.1	40
1242	Ambipolar ferromagnetism by electrostatic doping of a manganite. Nature Communications, 2018, 9, 1897.	5.8	51
1243	Pancharatnam-Berry phase and kinetic magnetoelectric effect in trigonal tellurium. Physical Review B, 2018, 97, .	1.1	29
1244	Temperature Dependence of Anomalous Hall Conductivity in Rashba-type Ferromagnets. Journal of the Physical Society of Japan, 2018, 87, 034705.	0.7	7

#	ARTICLE	IF	CITATIONS
1245	Quantum materials for spin and charge conversion. Npj Quantum Materials, 2018, 3, .	1.8	132
1246	Theory of Large Intrinsic Spin Hall Effect in Iridate Semimetals. Scientific Reports, 2018, 8, 8052.	1.6	39
1247	A high-efficiency spin polarizer based on edge and surface disordered silicene nanoribbons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1933-1936.	0.9	1
1248	Anomalous Hall effect and spin fluctuations in ionic liquid gated SrCoO_3 thin films. Physical Review B, 2018, 97, .	1.1	23
1249	Gradual pressure-induced change in the magnetic structure of the noncollinear antiferromagnet Mn_3Sb_2 . Physical Review B, 2018, 97, .	1.1	23
1250	Nonlinear anomalous photocurrents in Weyl semimetals. Physical Review B, 2018, 97, .	1.1	60
1251	Tunable Berry curvature and valley and spin Hall effect in bilayer MoS_2 . Physical Review B, 2018, 98, .	1.1	68
1252	Electrically switchable Berry curvature dipole in the monolayer topological insulator WTe_2 . Nature Physics, 2018, 14, 900-906.	6.5	249
1253	<i>Ab initio</i> calculation of the shift photocurrent by Wannier interpolation. Physical Review B, 2018, 97, .	1.1	98
1254	Ferrimagnetic Heterostructures for Applications in Magnetic Recording. , 2018, , 267-331.		12
1255	Second Chern number of a quantum-simulated non-Abelian Yang monopole. Science, 2018, 360, 1429-1434.	6.0	96
1256	Photogalvanic effect in Weyl semimetals from first principles. Physical Review B, 2018, 97, .	1.1	77
1257	Reorientable Spin Direction for Spin Current Produced by the Anomalous Hall Effect. Physical Review Applied, 2018, 9, .	1.5	67
1258	Carrier density control of magnetism and Berry phases in doped EuTiO_3 . APL Materials, 2018, 6, .	2.2	24
1259	Magnetic Metal-Nonstoichiometric Oxide Nanocomposites: Structure, Transport, and Memristive Properties. , 2018, , 427-464.		2
1260	Spontaneous valley splitting and valley pseudospin field effect transistors of monolayer VAgP_2Se_6 . Nanoscale, 2018, 10, 13986-13993.	2.8	50
1261	Giant anomalous Nernst effect and quantum-critical scaling in a ferromagnetic semimetal. Nature Physics, 2018, 14, 1119-1124.	6.5	366
1262	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	6.5	876

#	ARTICLE	IF	CITATIONS
1263	Heusler, Weyl and Berry. Nature Reviews Materials, 2018, 3, 244-256.	23.8	250
1264	Strain Effect in Epitaxial Oxide Heterostructures. , 0, , .		4
1265	Transmission and reflection coefficients and Faraday/Kerr rotations as a function of applied magnetic fields in spin-orbit coupled Dirac metals. Physical Review B, 2018, 98, .	1.1	4
1266	Relativistic torques induced by currents in magnetic materials: physics and experiments. RSC Advances, 2018, 8, 25079-25093.	1.7	3
1267	Electronic phase engineering induced thermoelectric enhancement in manganites. Journal of Applied Physics, 2018, 124, 034501.	1.1	1
1268	Spontaneous Hall effect in the Weyl semimetal candidate of all-in all-out pyrochlore iridate. Nature Communications, 2018, 9, 3032.	5.8	59
1269	Electric-field tuning of magnetism in spin gapless semiconductor (SGS)-like CoFeMnSi thin film. Applied Physics Letters, 2018, 112, .	1.5	15
1270	Complex transport properties of the Ni _{1.92} Mn _{1.56} Sn _{0.52} Heusler alloy and its magnetic behavior. Journal of Magnetism and Magnetic Materials, 2018, 466, 260-266.	1.0	17
1271	Electrically tuneable nonlinear anomalous Hall effect in two-dimensional transition-metal dichalcogenides WTe ₂ and MoTe ₂ . 2D Materials, 2018, 5, 044001.	2.0	108
1272	Effective Theory of Nonadiabatic Quantum Evolution Based on the Quantum Geometric Tensor. Physical Review Letters, 2018, 121, 020401.	2.9	41
1273	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
1274	Thickness-dependent magneto-optical effects in hole-doped GaS and GaSe multilayers: a first-principles study. New Journal of Physics, 2018, 20, 043048.	1.2	14
1275	Anomalous Hall and Nernst Effects in 2D Systems: Role of Cubic Rashba Spin-Orbit Coupling. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800232.	1.2	2
1276	Defect-Induced Anomalous Transverse Resistivity in an Itinerant Ferromagnetic Oxide. Physica Status Solidi (B): Basic Research, 2018, 255, 1800175.	0.7	24
1277	Clear evidence of interfacial anomalous Hall effect in epitaxial L_{10} FePt and FePd films. Physical Review B, 2018, 98, .		
1278	Spin-Nernst effect in the paramagnetic regime of an antiferromagnetic insulator. Physical Review B, 2018, 98, .	1.1	21
1279	Exchange-biasing topological charges by antiferromagnetism. Nature Communications, 2018, 9, 2767.	5.8	61
1280	Anomalous Hall effect derived from multiple Weyl nodes in high-mobility EuTiO ₃ films. Science Advances, 2018, 4, eaar7880.	4.7	83

#	ARTICLE	IF	CITATIONS
1281	First-principles study on thermoelectric properties of half-Heusler compounds CoM_2Sb ($M = \text{Sc, Ti, V, Cr, and Mn}$). Applied Physics Letters, 2018, 113, .	1.5	22
1282	Measurement of the Berry curvature of solids using high-harmonic spectroscopy. Nature Communications, 2018, 9, 916.	5.8	218
1283	Theory of the Interfacial Dzyaloshinskii-Moriya Interaction in Rashba Antiferromagnets. Physical Review Letters, 2018, 120, 197202.	2.9	32
1284	Anomalous Hall effect in semiconductor quantum wells in proximity to chiral p-wave superconductors. Physical Review B, 2018, 97, .	1.1	5
1285	The family of topological Hall effects for electrons in skyrmion crystals. European Physical Journal B, 2018, 91, 1.	0.6	25
1286	Galvanomagnetic methods of Curie temperature determination in $(\text{Ga,Mn})\text{As}$. Journal of Magnetism and Magnetic Materials, 2018, 467, 120-128.	1.0	2
1287	Measurement of the Hall effect at nanoscale with three probes. Review of Scientific Instruments, 2018, 89, 083904.	0.6	1
1288	Large topological hall effect observed in tetragonal Mn_2PtSn Heusler thin film. Applied Physics Letters, 2018, 113, 062406.	1.5	22
1289	Ferromagnetism in a topological semimetal. Nature Materials, 2018, 17, 750-751.	13.3	3
1290	Symmetry-Protected Topological Metals. Physical Review Letters, 2018, 121, 086810.	2.9	25
1291	Anomalous Hall effect in Weyl semimetal half-Heusler compounds RPtBi ($R = \text{Gd and Nd}$). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9140-9144.	3.3	126
1292	Momentum space Aharonov-Bohm interferometry in Rashba spin-orbit coupled Bose-Einstein condensates. Europhysics Letters, 2018, 123, 10005.	0.7	0
1293	Large anomalous Hall effect in the chiral-lattice antiferromagnet CoNb_3S_6 . Nature Communications, 2018, 9, 3280.	5.8	102
1294	Artificial gauge fields in materials and engineered systems. Comptes Rendus Physique, 2018, 19, 394-432.	0.3	143
1295	Anomalous Hall effect in $\text{Pt/Tb}_3\text{Fe}_5\text{O}_{12}$ heterostructure: Effect of compensation point. Journal of Magnetism and Magnetic Materials, 2018, 468, 235-240.	1.0	20
1296	Generalized Fourier law and anomalous Righi-Leduc effect in a ferromagnet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3115-3119.	0.9	3
1297	Quantum gyroelectric effect: Photon spin-1 quantization in continuum topological bosonic phases. Physical Review A, 2018, 98, .	1.0	36
1298	Spin Hall effect emerging from a noncollinear magnetic lattice without spin-orbit coupling. New Journal of Physics, 2018, 20, 073028.	1.2	65

#	ARTICLE	IF	CITATIONS
1299	Thermoelectric effects of resonant magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2018, 465, 237-245.	1.0	2
1300	Tunneling Spin Valves Based on $\text{Fe}_3/\text{GeTe}_2/\text{hBN}/\text{Fe}_3/\text{GeTe}_2$ van der Waals Heterostructures. Nano Letters, 2018, 18, 4303-4308.	4.5	319
1301	Spin-orbit torque in a completely compensated synthetic antiferromagnet. Physical Review B, 2018, 97, .	1.1	73
1302	Helical magnetic structure and the anomalous and topological Hall effects in epitaxial B_2O films. Physical Review B, 2018, 97, .	1.1	50
1303	Berry curvature in monolayer MoS_2 with broken mirror symmetry. Physical Review B, 2018, 97, .	1.1	10
1304	Quantized transport and steady states of Floquet topological insulators. Physical Review B, 2018, 97, .	1.1	41
1305	Pure spin currents in magnetically ordered insulator/normal metal heterostructures. Journal Physics D: Applied Physics, 2018, 51, 313001.	1.3	41
1306	Structural and magneto-transport properties of $\text{Mn}_{1+x}\text{Co}_{1-x}\text{Sn}$ ($x \approx 0.0$) alloys. Journal of Magnetism and Magnetic Materials, 2018, 465, 360-364.	1.0	11
1307	Anomalous Hall magnetoresistance in a ferromagnet. Nature Communications, 2018, 9, 2255.	5.8	39
1308	Chiral surface and edge plasmons in ferromagnetic conductors. Physical Review B, 2018, 97, .	1.1	7
1309	Strong anomalous Nernst effect in collinear magnetic Weyl semimetals without net magnetic moments. Physical Review B, 2018, 97, .	1.1	34
1310	Charge and spin conductivity of a two-dimensional electron gas with a random Rashba interaction. Physical Review B, 2018, 97, .	1.1	7
1311	Effective gauge field theory of spintronics. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 106, 208-238.	1.3	62
1312	^1H -NMR study on the square lattice antiferromagnet		
1313	Quadratic magneto-optic Kerr effect spectroscopy of Fe epitaxial films on $\text{MgO}(001)$ substrates. Physical Review B, 2019, 100, .	1.1	11
1314	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. Physical Review Letters, 2019, 123, 067601.	2.9	52
1315	Skyrmion lattice with a giant topological Hall effect in a frustrated triangular-lattice magnet. Science, 2019, 365, 914-918.	6.0	418
1316	Gate-tunable anomalous transverse voltage at the superconducting $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Applied Physics Letters, 2019, 115, 061603.	1.5	2

#	ARTICLE	IF	CITATIONS
1317	Anomalous Casimir effect in axion electrodynamics. Physical Review D, 2019, 100, .	1.6	23
1318	Electronic entropy change in Ni-doped FeRh. Materials Today Physics, 2019, 9, 100129.	2.9	7
1319	Low-Frequency Noise of Magnetic Sensors Based on the Anomalous Hall Effect in FePt Alloys. Sensors, 2019, 19, 3537.	2.1	20
1320	Spin chirality fluctuation in two-dimensional ferromagnets with perpendicular magnetic anisotropy. Nature Materials, 2019, 18, 1054-1059.	13.3	85
1321	Families of magnetic semiconductors – an overview. Journal of Semiconductors, 2019, 40, 080301.	2.0	52
1322	Influence of orbital two-channel Kondo effect on anomalous Hall effect in ferrimagnetic composites of LaNiO ₃ and CoFe ₂ O ₄ . Journal of Physics Condensed Matter, 2019, 31, 255702.	0.7	1
1323	Switching-current shift in spin Hall effect with perpendicular magnetic field. Physical Review B, 2019, 100, .	1.1	1
1324	Berry curvature unravelled by the anomalous Nernst effect in Mn_3Ge . Physical Review B, 2019, 100, .	1.1	23
1325	Interplay of Lorentz-Berry forces in position-momentum spaces for valley-dependent impurity scattering in Mn_3Sn lattices. Physical Review B, 2019, 99, .	1.1	23
1326	Electrical current switching of the noncollinear antiferromagnet Mn ₃ GaN. Applied Physics Letters, 2019, 115, .	1.5	44
1327	Thickness dependence of anomalous Hall conductivity in LaO/FePt thin film. Journal Physics D: Applied Physics, 2019, 52, 43LT02.	1.3	5
1328	Magnetic anisotropy and topological Hall effect in the trigonal chromium tellurides Cr_3Te_2 . Physical Review B, 2019, 100, .	1.1	1
1329	Fluctuation-Induced Torque on a Topological Insulator out of Thermal Equilibrium. Physical Review Letters, 2019, 123, 055901.	2.9	23
1330	Bulk photovoltaic effects in the presence of a static electric field. Physical Review B, 2019, 100, .	1.1	43
1331	Origin of the anomalous Hall effect in SrCoO_3 thin films. Physical Review B, 2019, 100, .	1.1	1
1332	Layer-dependent intrinsic anomalous Hall effect in Fe_3Sn . Physical Review B, 2019, 100, .	1.1	1
1333	Complex magnetic phase diagram of metamagnetic MnPtSi. Physical Review B, 2019, 100, .	1.1	4
1334	Strain Engineering of the Berry Curvature Dipole and Valley Magnetization in Monolayer MoS_2 . Physical Review Letters, 2019, 123, 036806.	2.9	108

#	ARTICLE	IF	CITATIONS
1335	Strain effect on thermoelectric properties of SrRuO ₃ epitaxial thin films. Applied Physics Letters, 2019, 115, .	1.5	14
1336	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd ₂ As ₂ . Science Advances, 2019, 5, eaaw4718.	4.7	122
1337	Disorder-induced nonlinear Hall effect with time-reversal symmetry. Nature Communications, 2019, 10, 3047.	5.8	140
1338	AC anomalous Hall effect in topological insulator Josephson junctions. Physical Review B, 2019, 100, .	1.1	3
1339	Controlling Chiral Spin States of a Triangular Lattice Magnet by Cooling in a Magnetic Field. Advanced Functional Materials, 2019, 29, 1900947.	7.8	4
1340	Anomalous Hall effect in the noncollinear antiferromagnetic antiperovskite Mn_2B_2N . Physical Review B, 2019, 100, .		
1341	Anomalous Hall effect in magnetic topological insulators: Semiclassical framework. Physical Review B, 2019, 100, .	1.1	3
1342	The <i>s-d</i> exchange model as the underlying mechanism of magnetoresistance in ZnO doped with alkali metals. Journal of Physics Condensed Matter, 2019, 31, 345801.	0.7	2
1343	Valley-contrasting orbital magnetic moment induced negative magnetoresistance. Physical Review B, 2019, 100, .	1.1	12
1344	Emergent ferromagnetism near three-quarters filling in twisted bilayer graphene. Science, 2019, 365, 605-608.	6.0	1,106
1345	Anomalous spin-orbit torques in magnetic single-layer films. Nature Nanotechnology, 2019, 14, 819-824.	15.6	130
1346	Valley Acoustoelectric Effect. Physical Review Letters, 2019, 122, 256801.	2.9	31
1347	Magnon-polaron excitations in the noncollinear antiferromagnet Mn ₃ Ge. Physical Review B, 2019, 99, .	1.1	18
1348	Computation of intrinsic spin Hall conductivities from first principles using maximally localized Wannier functions. Physical Review B, 2019, 99, .	1.1	26
1349	Recent advances in the spin Nernst effect. Journal of Magnetism and Magnetic Materials, 2019, 491, 165526.	1.0	19
1350	Terahertz conductivity of the magnetic Weyl semimetal Mn ₃ Sn films. Applied Physics Letters, 2019, 115, .	1.5	26
1351	Pressure-induced modification of the anomalous Hall effect in layered $Mn_3Fe_2Sb_2$. Physical Review B, 2019, 100, .	1.1	12
1352	Large Anomalous Hall Effect in Topological Insulators with Proximitized Ferromagnetic Insulators. Physical Review Letters, 2019, 123, 016804.	2.9	79

#	ARTICLE	IF	CITATIONS
1371	Large Anomalous Nernst Effect in a van der Waals Ferromagnet Fe ₃ GeTe ₂ . Nano Letters, 2019, 19, 8250-8254.	4.5	87
1372	Pressure-tunable large anomalous Hall effect of the ferromagnetic kagome-lattice Weyl semimetal Co ₃ Sn ₂ S ₂ . Physical Review B, 2019, 100, .	1.1	25
1373	Multiple magnon modes in the Co ₃ Sn ₂ S ₂ Weyl semimetal candidate. Europhysics Letters, 2019, 127, 57002.	0.7	14
1374	Critical Spin Fluctuation Mechanism for the Spin Hall Effect. Physical Review Letters, 2019, 123, 196603.	2.9	10
1375	Three-Dimensional Resonant Exciton in Monolayer Tungsten Diselenide Actuated by Spin-Orbit Coupling. ACS Nano, 2019, 13, 14529-14539.	7.3	10
1376	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
1377	Signs of anisotropic magnetoresistance in Co ₂ MnGa Heusler alloy epitaxial thin films based on current direction. Applied Physics Express, 2019, 12, 103005.	1.1	18
1378	Stimulating Oxide Heterostructures: A Review on Controlling SrTiO ₃ -Based Heterointerfaces with External Stimuli. Advanced Materials Interfaces, 2019, 6, 1900772.	1.9	56
1379	Ferromagnetic phase transition in topological crystalline insulator thin films: Interplay of anomalous Hall angle and magnetic anisotropy. Physical Review B, 2019, 100, .	1.1	11
1380	Theory of nonlinear Hall effects: Modified semiclassics from quantum kinetics. Physical Review B, 2019, 100, .	1.1	68
1381	Tuning the topological surface states in Sb ₂ Te ₃ /CrSb heterostructures by interface spacing. Japanese Journal of Applied Physics, 2019, 58, 080910.	0.8	2
1382	Interaction-driven topological phase transition in a p -orbital honeycomb optical lattice. Physical Review A, 2019, 100, .	1.0	3
1383	Hidden Chern number in one-dimensional non-Hermitian chiral-symmetric systems. Physical Review B, 2019, 100, .	1.1	27
1384	Strong magnetoresistance modulation by Ir insertion in a Ta/Ir/CoFeB trilayer. Physical Review B, 2019, 100, .	1.1	6
1385	Electrically Controlled Magnetoresistance in Ion-Gated Platinum Thin Films. Journal of the Korean Physical Society, 2019, 75, 398-403.	0.3	1
1386	Heavy fermion quantum criticality at dilute carrier limit in CeNi ₂ (As _{1-x} P _x) ₂ . Scientific Reports, 2019, 9, 12307.	1.6	5
1387	Anomalous spin Hall angle of a metallic ferromagnet determined by a multiterminal spin injection/detection device. Applied Physics Letters, 2019, 115, .	1.5	9
1388	Rational Design Principles of the Quantum Anomalous Hall Effect in Superlattice-like Magnetic Topological Insulators. Physical Review Letters, 2019, 123, 096401.	2.9	104

#	ARTICLE	IF	CITATIONS
1407	Anomalous Hall Effect in Frustrated Magnets. Physics of the Solid State, 2019, 61, 1622-1626.	0.2	1
1408	Discovery of topological Weyl fermion lines and drumhead surface states in a room temperature magnet. Science, 2019, 365, 1278-1281.	6.0	374
1409	Sign Change in the Anomalous Hall Effect and Strong Transport Effects in a 2D Massive Dirac Metal Due to Spin-Charge Correlated Disorder. Physical Review Letters, 2019, 123, 126603.	2.9	15
1410	Interfacial mechanism in the anomalous Hall effect of Co_3O_4 . Physical Review Letters, 2019, 123, 127201.	1.1	5
1411	Topology analysis for anomalous Hall effect in the noncollinear antiferromagnetic states of Mn_3N . Physical Review Letters, 2019, 123, 127202.		

#	ARTICLE	IF	CITATIONS
1443	Nonreciprocal Directional Dichroism Induced by the Quantum Metric Dipole. Physical Review Letters, 2019, 122, 227402.	2.9	48
1444	Re-doping induced suppression of the second magnetic transition in Sr_2RuO_6 . Physical Review Letters, 2019, 122, 227402.	1.1	2
1445	Control of spin diffusion and suppression of the Hanle oscillation by the coexistence of spin and valley Hall effects in Dirac materials. Physical Review B, 2019, 99, .	1.1	4
1446	Charge-induced ferromagnetic phase transition and anomalous Hall effect in full d -band nonmagnetic metals. Physical Review B, 2019, 99, .	1.1	9
1447	Large spin-orbit torque observed in epitaxial SrIrO ₃ thin films. Applied Physics Letters, 2019, 114, .	1.5	37
1448	Experimental Realization of an Intrinsic Magnetic Topological Insulator Cu_2S . Chinese Physics Letters, 2019, 36, 076801.	1.3	457
1449	Thermal stability of NDR-assisted anomalous Hall effect based magnetic device. Journal of Applied Physics, 2019, 125, 203901.	1.1	4
1450	Weak coupling theory of topological Hall effect. Physical Review B, 2019, 99, .	1.1	19
1451	Topological nonlinear anomalous Nernst effect in strained transition metal dichalcogenides. Physical Review B, 2019, 99, .	1.1	44
1452	Semiclassical dynamics and nonlinear charge current. Frontiers of Physics, 2019, 14, 1.	2.4	35
1453	Magnetic field induced martensitic transition in Fe doped Ni-Mn-Sn-B shape memory ribbons. Intermetallics, 2019, 111, 106493.	1.8	13
1454	Evaluation of spin diffusion length and spin Hall angle of the antiferromagnetic Weyl semimetal Mn_3Sn . Physical Review B, 2019, 99, .	1.1	47
1455	Topological and Chiral Spin Hall Effects. Physica Status Solidi (B): Basic Research, 2019, 256, 1900033.	0.7	7
1456	Anomalous hall effect in nickel thin film at low temperatures. AIP Conference Proceedings, 2019, , .	0.3	1
1457	Strain-fluctuation-induced near quantization of valley Hall conductivity in graphene systems. Physical Review B, 2019, 99, .	1.1	3
1458	Skew scattering dominated anomalous Nernst effect in $\text{La}_{1-x}\text{Na}_x\text{MnO}_3$. Journal of Applied Physics, 2019, 125, .	1.1	7
1459	Theory of Magnetoresistance in Two-Dimensional Giant Rashba Systems. Journal of the Physical Society of Japan, 2019, 88, 054705.	0.7	3
1460	Topological Hall effect in ferrimagnetic CoTb single layer. Journal of Magnetism and Magnetic Materials, 2019, 487, 165316.	1.0	17

#	ARTICLE	IF	CITATIONS
1461	Large topological Hall effect in a geometrically frustrated kagome magnet Fe ₃ Sn ₂ . Applied Physics Letters, 2019, 114, .	1.5	68
1462	Ferromagnetic Co ₃ Sn ₂ S ₂ thin films fabricated by co-sputtering. Japanese Journal of Applied Physics, 2019, 58, 050912.	0.8	26
1463	Unconventional anomalous Hall effect driven by oxygen-octahedra-tailoring of the SrRuO ₃ structure. JPhys Materials, 2019, 2, 034008.	1.8	21
1464	Low temperature divergence in the AHE and AMR of ultra-thin Pt/Co/Pt trilayers. Journal of Magnetism and Magnetic Materials, 2019, 485, 314-319.	1.0	1
1465	Direct observation of valley-coupled topological current in MoS ₂ . Science Advances, 2019, 5, eaau6478.	4.7	34
1466	Spin-orbit torque from a ferromagnetic metal. Physical Review B, 2019, 99, .	1.1	49
1467	Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. Physical Review B, 2019, 99, .	1.1	4
1468	Photo-induced anomalous Hall effect in nickel thin films. Journal of Magnetism and Magnetic Materials, 2019, 485, 82-84.	1.0	5
1469	Exceptionally High, Strongly Temperature Dependent, Spin Hall Conductivity of SrRuO ₃ . Nano Letters, 2019, 19, 3663-3670.	4.5	40
1470	Metamagnetic texture in a polar antiferromagnet. Nature Physics, 2019, 15, 671-677.	6.5	24
1471	Magnetoelectric effect in band insulator-ferromagnet heterostructures. Physical Review B, 2019, 99, .	1.1	1
1472	Ferromagnetic Anomalous Hall Effect in Cr-Doped Bi ₂ Se ₃ Thin Films via Surface-State Engineering. Nano Letters, 2019, 19, 3409-3414.	4.5	13
1473	Angular evolution of thickness-related unidirectional magnetoresistance in Co/Pt multilayers. AIP Advances, 2019, 9, .	0.6	3
1474	Magnetic Conductive Outer Layer in Oxygen-Deficient TiO ₂ Single Crystals. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900160.	1.2	2
1475	Phononic thermal Hall effect in diluted terbium oxides. Physical Review B, 2019, 99, .	1.1	20
1476	Anomalous Nernst effect beyond the magnetization scaling relation in the ferromagnetic Heusler compound Co ₂ MnGa. NPG Asia Materials, 2019, 11, .	3.8	190
1477	Anomalous Hall Effect in a Magnetic Topological Insulator (BiMn) ₂ Te ₃ . IEEE Transactions on Magnetism, 2019, 55, 1-6.	1.2	3
1478	In-plane anisotropy of the photon-helicity induced linear Hall effect in few-layer WTe ₂ . Physical Review B, 2019, 99, .		

#	ARTICLE	IF	CITATIONS
1479	Large anomalous Hall and Nernst effects from nodal line symmetry breaking in FeMn_2X ($\text{X} = \text{Te, Se}$)	1.1	1
1480	Edge modes and Fabry-Perot plasmonic resonances in anomalous-Hall thin films. <i>Physical Review B</i> , 2019, 99, .	1.1	1
1481	Superconducting spin properties of Majorana nanowires and the associated spin-orbit coupling driven transverse supercurrent. <i>Physical Review B</i> , 2019, 99, .	1.1	3
1482	Field-induced topological Hall effect in the noncoplanar triangular antiferromagnetic geometry of Mn_3X ($\text{X} = \text{Te, Se}$)	1.1	75
1483	High Contrast Thermal Conductivity Change in NiMnIn Heusler Alloys near Room Temperature. <i>Advanced Engineering Materials</i> , 2019, 21, 1801342.	1.6	22
1484	Topological photonics. <i>Reviews of Modern Physics</i> , 2019, 91, .	16.4	2,190
1485	Orientation-dependent direct and inverse spin Hall effects in $\text{Co}_6\text{Fe}_2\text{O}_{20}$. <i>Physical Review B</i> , 2019, 99, .	1.1	19
1486	Energy-harvesting materials based on the anomalous Nernst effect. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 262-275.	2.8	122
1487	Weak localization and small anomalous Hall conductivity in ferromagnetic Weyl semimetal Co_2TiGe . <i>Scientific Reports</i> , 2019, 9, 3342.	1.6	26
1488	Magnetoconductance properties of magnetic Ni-Mn-Sn-B shape memory ribbons and magnetic field sensor aspects operating at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 366-371.	1.0	16
1489	Topological transitions among skyrmion- and hedgehog-lattice states in cubic chiral magnets. <i>Nature Communications</i> , 2019, 10, 1059.	5.8	112
1490	Magnetoconductance and anomalous Hall effect in micro-ribbons of the magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	22
1491	Current induced magnetization switching in Pt/Co/Cr structures with enhanced perpendicular magnetic anisotropy and spin Hall effect. <i>Applied Physics Express</i> , 2019, 12, 043001.	1.1	3
1492	Anomalous Hall Effect and Anisotropic Magnetoconductance in Perpendicularly Magnetized $\text{FePt}_{1-x}\text{Pd}_x$ Films. <i>Journal of the Magnetism Society of Japan</i> , 2019, 43, 29-33.	0.5	4
1493	A gap-protected zero-Hall effect state in the quantum limit of the non-symmorphic metal KHgSb . <i>Nature Materials</i> , 2019, 18, 443-447.	13.3	14
1494	Interface effects on the magnetic-proximity-induced quantized Hall response in heterostructures based on three-dimensional topological insulators. <i>Physical Review B</i> , 2019, 99, .	1.1	8
1495	Anomalous Hall Effect in Epitaxial NiMnGa Thin Films Grown on $\text{MgO}(001)$ Substrate during the Martensitic Transformation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3183-3189.	0.8	3
1496	Band structure engineering in 3D topological insulators. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 183001.	0.7	4

#	ARTICLE	IF	CITATIONS
1497	Spin-order dependent anomalous Hall effect and magneto-optical effect in the noncollinear antiferromagnets $N\text{Mn}_3\text{X}_2\text{Ga}$ with spin-gapless semiconducting nature of Co-rich Zn-eg. of Mn. Physical Review B, 2019, 99, .	1.1	55
1498	Asymmetric Spin-Orbit-Torque-Induced Magnetization Switching With a Noncollinear In-Plane Assisting Magnetic Field. Physical Review Applied, 2019, 11, .	1.5	20
1500	The ultrasensitive anomalous Hall effect induced by interfacial oxygen atoms redistribution. Journal of Applied Physics, 2019, 125, .	1.1	5
1501	Localization trajectory and Chern-Simons axion coupling for bilayer quantum anomalous Hall systems. Physical Review B, 2019, 99, .	1.1	4
1502	Ferromagnetism Near Room Temperature in the Cleavable van der Waals Crystal Fe_5GeTe_2 . ACS Nano, 2019, 13, 4436-4442.	7.3	266
1503	Fe-Sn nanocrystalline films for flexible magnetic sensors with high thermal stability. Scientific Reports, 2019, 9, 3282.	1.6	26
1504	Berry phase induced valley level crossing in bilayer graphene quantum dots. Physical Review B, 2019, 99, .	1.1	16
1505	Magnetic and Transport Properties of $\text{Co}_1+\text{FeV}_1\hat{\text{A}}^{\text{r}}\text{Si}$ Epitaxial Films Grown by Molecular Beam Epitaxy. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	1
1506	Functional-renormalization-group aided density functional analysis for the correlation energy of the two-dimensional homogeneous electron gas. Physical Review B, 2019, 99, .	1.1	9
1507	Low-field formation of room-temperature biskyrmions in centrosymmetric MnPdGa magnet. Applied Physics Letters, 2019, 114, .	1.5	27
1508	Transport of Topological Semimetals. Annual Review of Materials Research, 2019, 49, 207-252.	4.3	155
1509	Anisotropic topological Hall effect with real and momentum space Berry curvature in the antiskyrmion-hosting Heusler compound Mn_2PtSn . Physical Review B, 2019, 99, .	1.1	34
1510	Distinct magnetotransport and orbital fingerprints of chiral bobbers. Physical Review B, 2019, 99, .	1.1	22
1511	Observation of the topological Hall effect and signature of room-temperature antiskyrmions in Mn-Ni-Ga Heusler magnets. Physical Review B, 2019, 99, .	1.1	26
1512	Large nonlinear Hall effect in $(\text{FeCo})_{0.67}\text{Ge}_{0.33}/\text{Ge}$ heterojunctions. International Journal of Modern Physics B, 2019, 33, 1950121.	1.0	3
1513	Enhanced magneto-transport and thermoelectric properties of MnP nanorod thin films grown on Si ($1\hat{\text{A}}\text{E}0$). Journal of Magnetism and Magnetic Materials, 2019, 482, 287-291.	1.0	5
1514	Gyrotropic Hall effect in Berry-curved materials. Physical Review B, 2019, 99, .	1.1	48

#	ARTICLE	IF	CITATIONS
1515	Anomalous Nernst effect in epitaxial Fe and Fe _x Ni _{1-x} alloy thin films. AIP Advances, 2019, 9, 035227.	0.6	4
1516	Improvement of Large Anomalous Hall Effect in Polycrystalline Antiferromagnetic Mn _{3+x} Sn Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	15
1517	Orbital magnetization and anomalous Hall effect in interacting Weyl semimetals. Physical Review B, 2019, 99, .	1.1	13
1518	Anomalous Hall Effectâ€œLike Behavior with Inâ€œPlane Magnetic Field in Noncollinear Antiferromagnetic Mn ₃ Sn Films. Advanced Electronic Materials, 2019, 5, 1800818.	2.6	56
1519	Anomalous Nonreciprocal Electrical Transport on Chiral Magnetic Order. Physical Review Letters, 2019, 122, 057206.	2.9	72
1520	Topological thermal Hall effect driven by spin-chirality fluctuations in frustrated antiferromagnets. Physical Review B, 2019, 99, .	1.1	19
1521	Electric Field-Controlled Magnetization in GaAs/AlGaAs Heterostructuresâ€œChiral Organic Molecules Hybrids. Journal of Physical Chemistry Letters, 2019, 10, 1139-1145.	2.1	33
1522	Nonlinear anomalous Hall effect in few-layer WTe ₂ . Nature Materials, 2019, 18, 324-328.	13.3	281
1523	Tuning spinâ€œorbit torques at magnetic domain walls in epitaxial Pt/Co/Pt _{1-x} Au _x trilayers. Nanotechnology, 2019, 30, 234003.	1.3	15
1524	Magnetic bimerons as skyrmion analogues in in-plane magnets. Physical Review B, 2019, 99, .	1.1	118
1525	Diffuson contribution to anomalous Hall effect in disordered Co ₂ FeSi thin films. Journal of Magnetism and Magnetic Materials, 2019, 481, 194-202.	1.0	9
1526	Drastic violation of the basic correlation between the Hall effect and resistivity in the Heusler alloy Ni ₄₅ Cr ₅ Mn ₃₇ In ₁₃ . Journal of Magnetism and Magnetic Materials, 2019, 481, 25-28.	1.0	5
1527	Transport properties of ferrimagnetic Mn ₂ CoSn Heusler alloy. Journal of Magnetism and Magnetic Materials, 2019, 485, 193-196.	1.0	8
1528	Spin-orbit coupling induced valley Hall effects in transition-metal dichalcogenides. Communications Physics, 2019, 2, .	2.0	56
1529	Magnetoelectric effect and orbital magnetization in skyrmion crystals: Detection and characterization of skyrmions. Physical Review B, 2019, 99, .	1.1	26
1530	Observation of quantum topological Hall effect in the Weyl semimetal candidate HgSe. Journal of Physics Condensed Matter, 2019, 31, 405706.	0.7	8
1531	Strain-Engineered Nonlinear Hall Effect in HgTe. Spin, 2019, 09, .	0.6	6
1532	Chiral Topological Phases in Designed Mechanical Networks. Frontiers in Physics, 2019, 7, .	1.0	2

#	ARTICLE	IF	CITATIONS
1533	Ideal Weyl semimetal induced by magnetic exchange. Physical Review B, 2019, 100, .	1.1	130
1534	Anomalous Hall effect in LaMnO_3 compounds. Physical Review B, 2019, 100, .	1.1	9
1535	Natural van der Waals heterostructural single crystals with both magnetic and topological properties. Science Advances, 2019, 5, eaax9989.	4.7	193
1536	Linear Response in Topological Materials. Applied Sciences (Switzerland), 2019, 9, 4832.	1.3	9
1537	Terahertz Emission from Anomalous Hall Effect in a Single-Layer Ferromagnet. Physical Review Applied, 2019, 12, .	1.5	36
1538	Antiparallel spin Hall current in a bilayer with skew scattering. Physical Review B, 2019, 100, .	1.1	6
1539	Berry Phase of Phonons and Thermal Hall Effect in Nonmagnetic Insulators. Physical Review Letters, 2019, 123, 255901.	2.9	31
1540	Interface-driven unusual anomalous Hall effect in Pt/GaMnBi bilayers. Physical Review B, 2019, 100, .	1.1	9
1541	Mutual control of coherent spin waves and magnetic domain walls in a magnonic device. Science, 2019, 366, 1121-1125.	6.0	115
1542	A nonlinear, geometric Hall effect without magnetic field. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24475-24479.	3.3	9
1543	Magnus Hall Effect. Physical Review Letters, 2019, 123, 216802.	2.9	30
1544	Metal to marginal-metal transition in two-dimensional ferromagnetic electron gases. Physical Review B, 2019, 100, .	1.1	7
1545	Magneto-optic and transverse-transport properties of noncollinear antiferromagnets. Physical Review B, 2019, 100, .	1.1	12
1546	Anisotropic magnetoresistance and nontrivial spin Hall magnetoresistance in Pt/Co bilayers. Physical Review B, 2019, 100, .	1.1	35
1547	Effects of transition metal spacers on spin-orbit torques, spin Hall magnetoresistance, and magnetic anisotropy of Pt/Co bilayers. Physical Review B, 2019, 100, .	1.1	29
1548	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	1.1	9
1549	Ferromagnetic state above room temperature in a proximitized topological Dirac semimetal. Physical Review B, 2019, 100, .	1.1	18
1550	Intrinsic Anomalous Nernst Effect Amplified by Disorder in a Half-Metallic Semimetal. Physical Review X, 2019, 9, .	2.8	45

#	ARTICLE	IF	CITATIONS
1551	Optical Properties of px + ipy Superconductors with Strong Impurities. JETP Letters, 2019, 110, 804-809.	0.4	0
1552	Ferroelectric nonlinear anomalous Hall effect in few-layer WTe ₂ . Npj Computational Materials, 2019, 5, .	3.5	61
1553	A Modified Drude-Lorentz Model That Enables Taking into Account Topological Characteristics of a Medium. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 127, 871-877.	0.2	5
1554	Doping-induced enhancement of anomalous Hall coefficient in Fe-Sn nanocrystalline films for highly sensitive Hall sensors. APL Materials, 2019, 7, .	2.2	9
1555	Spin-charge conversion in NiMnSb Heusler alloy films. Science Advances, 2019, 5, eaaw9337.	4.7	11
1556	Films of rhombohedral graphite as two-dimensional topological semimetals. Communications Physics, 2019, 2, .	2.0	22
1557	Anomalous Hall effect at a PtOx/Co interface. Physical Review B, 2019, 100, .	1.1	10
1558	X-ray magnetic linear dichroism as a probe for non-collinear magnetic state in ferrimagnetic single layer exchange bias systems. Scientific Reports, 2019, 9, 18169.	1.6	14
1559	Nonlinear Nernst effect in bilayer WTe_2 . Physical Review B, 2019, 100, .	1.1	10
1560	Nonlinear Hall Acceleration and the Quantum Rectification Sum Rule. Physical Review Letters, 2019, 123, 246602.	2.9	67
1561	Strain-tunable magnetism at oxide domain walls. Nature Physics, 2019, 15, 269-274.	6.5	65
1562	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. Nature, 2019, 565, 337-342.	13.7	372
1563	Relation between spin Hall effect and anomalous Hall effect in d -ferromagnetic metals. Physical Review B, 2019, 99, .	1.1	10
1564	Magnetotransport properties and giant anomalous Hall angle in the half-Heusler compound TbPtBi. Physical Review B, 2019, 99, .	1.1	37
1565	Absence of strong skew scattering in crystals with multi-sheeted Fermi surfaces. Journal of Physics Condensed Matter, 2019, 31, 085803.	0.7	3
1566	Magnetotransport Anomaly in Room-Temperature Ferrimagnetic NiCo ₂ O ₄ Thin Films. Advanced Materials, 2019, 31, e1805260.	11.1	47
1567	Significance of Lorentz Force and Thermoelectric on the Flow of 29-nm CuO-Water Nanofluid on an Upper Horizontal Surface of a Paraboloid of Revolution. Journal of Heat Transfer, 2019, 141, .	1.2	60
1568	Unraveling the physical properties and superparamagnetism in anti-site disorder controlled Fe ₂ TiSn. Journal of Physics Condensed Matter, 2019, 31, 045801.	0.7	6

#	ARTICLE	IF	CITATIONS
1569	Ten States of Nonvolatile Memory through Engineering Ferromagnetic Remanent Magnetization. <i>Advanced Functional Materials</i> , 2019, 29, 1806460.	7.8	15
1570	Efficient algorithm to compute the second Chern number in four dimensional systems. <i>Quantum Science and Technology</i> , 2019, 4, 014009.	2.6	13
1571	Room-temperature magnetic Heusler compound Fe ₂ Ti _{0.5} Co _{0.5} Si with semiconducting behavior. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 474, 343-346.	1.0	2
1572	Diagrammatic approach to nonlinear optical response with application to Weyl semimetals. <i>Physical Review B</i> , 2019, 99, .	1.1	110
1573	Effect of Ru substitution on structural, magnetic and transport behavior of Ni ₅₀ Mn ₃₈ Sb ₁₂ . <i>Journal of Alloys and Compounds</i> , 2019, 783, 977-989.	2.8	6
1574	Tunability of magnetic anisotropy of Co on two-dimensional materials by tetrahedral bonding. <i>Physical Review B</i> , 2019, 99, .	1.1	9
1575	Diluted Oxide Interfaces with Tunable Ground States. <i>Advanced Materials</i> , 2019, 31, e1805970.	11.1	28
1576	Magnetic and magnetic inverse spin Hall effects in a non-collinear antiferromagnet. <i>Nature</i> , 2019, 565, 627-630.	13.7	252
1577	Spin caloric transport from density-functional theory. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 073001.	1.3	13
1578	Electric Field Control of Magnetic Order: From FeRh to Topological Antiferromagnetic Spintronics. <i>Advanced Electronic Materials</i> , 2019, 5, 1800466.	2.6	62
1579	Thickness dependence of transverse thermoelectric voltage in Co ₄₀ Fe ₆₀ /YIG magnetic junctions. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 439-443.	1.0	7
1580	Annealing Temperature Effects on Spin Hall Magnetoresistance in Perpendicularly Magnetized W/CoFeB Bilayers. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	1.2	5
1581	Multiple Q Magnetic States in Spin-Orbit Coupled Metals. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-7.	1.2	8
1582	Enhanced spin-orbit torque in Pt/Co/Pt multilayers with inserting Ru layers. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 472, 14-19.	1.0	9
1583	Review of Quantum Hall Trio. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 2-23.	1.9	10
1584	Recent advances in spin-orbit coupled quantum gases. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 75-86.	1.9	20
1585	Coulomb drag in topological materials. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 54-64.	1.9	2
1586	Hall Effects and Berry Phase. , 2020, , 25-53.		0

#	ARTICLE	IF	CITATIONS
1587	Magnetism in Topological Insulators. , 2020, , .		7
1588	Anomalous Hall and Nernst effects in a two-dimensional electron gas with an anisotropic cubic Rashba spin-orbit interaction. Journal of Magnetism and Magnetic Materials, 2020, 497, 165919.	1.0	1
1589	Anomalous Hall effect with variable-range hopping in Mn _{4-x} AuxN (x = 0, 0.5) epitaxial films. Materials Research Bulletin, 2020, 122, 110646.	2.7	9
1590	Wannier90 as a community code: new features and applications. Journal of Physics Condensed Matter, 2020, 32, 165902.	0.7	807
1591	Hannay angles in magnetic dynamics. Annals of Physics, 2020, 412, 168010.	1.0	4
1592	Pseudo-electromagnetic fields in 3D topological semimetals. Nature Reviews Physics, 2020, 2, 29-41.	11.9	76
1593	Topological Phononics: From Fundamental Models to Real Materials. Advanced Functional Materials, 2020, 30, 1904784.	7.8	143
1594	Anomalous Nernst effect in Co ₂ MnGa thin films with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2020, 500, 166397.	1.0	15
1595	First-principles calculations of charge carrier mobility and conductivity in bulk semiconductors and two-dimensional materials. Reports on Progress in Physics, 2020, 83, 036501.	8.1	176
1596	Itinerant ferromagnetism and intrinsic anomalous Hall effect in amorphous iron-germanium. Physical Review B, 2020, 101, .	1.1	10
1597	Atomic and nanoscale spin dynamics. Journal of Magnetism and Magnetic Materials, 2020, 502, 166279.	1.0	1
1598	Giant topological Hall effect of ferromagnetic kagome metal Fe ₃ Sn ₂ *. Chinese Physics B, 2020, 29, 017101.	0.7	23
1599	Experimental measurement of the quantum geometric tensor using coupled qubits in diamond. National Science Review, 2020, 7, 254-260.	4.6	59
1600	Electrical Control of Perpendicular Magnetic Anisotropy and Spin-Orbit Torque-Induced Magnetization Switching. Advanced Electronic Materials, 2020, 6, 1900782.	2.6	8
1601	Magnetic and magnetotransport study of Si/Ni multilayers correlated with structural and microstructural properties. Journal of Magnetism and Magnetic Materials, 2020, 497, 166053.	1.0	6
1602	Ferroic tunnel junctions and their application in neuromorphic networks. Applied Physics Reviews, 2020, 7, .	5.5	91
1603	Atomic-Scale Metal-Insulator Transition in SrRuO ₃ Ultrathin Films Triggered by Surface Termination Conversion. Advanced Materials, 2020, 32, e1905815.	11.1	25
1604	Experimental Observation of the Gate-Controlled Reversal of the Anomalous Hall Effect in the Intrinsic Magnetic Topological Insulator MnBi ₂ Te ₄ Device. Nano Letters, 2020, 20, 709-714.	4.5	60

#	ARTICLE	IF	CITATIONS
1605	Nonvolatile Electric Control of the Anomalous Hall Effect in an Ultrathin Magnetic Metal. <i>Advanced Electronic Materials</i> , 2020, 6, 1901084.	2.6	15
1606	Anomalous Hall effect of MnBi films with perpendicular magnetic anisotropy. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153080.	2.8	1
1607	Signatures of the Magnetic Entropy in the Thermopower Signals in Nanoribbons of the Magnetic Weyl Semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Nano Letters</i> , 2020, 20, 300-305.	4.5	23
1608	Voltage-controlled ON switching and manipulation of magnetization via the redox transformation of Fe^{2+} -FeOOH nanoplatelets. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 084001.	1.3	10
1609	Coherent magnetic behaviors of bcc $\text{Fe}_{1-x}\text{Mn}_x$ films on MgO (0001). <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 501, 166376.	1.0	0
1610	Origin of large spin Hall magnetoresistance in Fe/CuO bilayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126198.	0.9	3
1611	Imaging the valley and orbital Hall effect in monolayer MoS_2 . <i>Physical Review B</i> , 2020, 102, .	1.1	7
1612	Enhancement of spin-charge current interconversion by oxidation of rhenium. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 516, 167298.	1.0	5
1613	One-dimensional antilocalization of electrons from spin disorder probed by nonlinear Hall effect. <i>Physical Review B</i> , 2020, 102, .	1.1	2
1614	Giant magneto-optical responses in magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Nature Communications</i> , 2020, 11, 4619.	5.8	92
1615	Spin Hall effect in the $\hat{\Gamma}_\pm$ and $\hat{\Gamma}_2$ phases of $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Physical Review Letters</i> , 2020, 125, 176601.	1.1	16
1616	Manipulation of the interlayer exchange coupling in perpendicular magnetized thin films via tunable magnetic-layer and spacer thicknesses. <i>Physical Review B</i> , 2020, 102, .	1.1	8
1617	Valley pumping via edge states and the nonlocal valley Hall effect in two-dimensional semiconductors. <i>Physical Review B</i> , 2020, 102, .	1.1	1
1618	Enhanced Mobility and Large Linear Nonsaturating Magnetoresistance in the Magnetically Ordered States of TmNiC . <i>Physical Review Letters</i> , 2020, 125, 176601.	2.9	11
1619	Current-induced out-of-plane effective magnetic field in antiferromagnet/heavy metal/ferromagnet/heavy metal multilayer. <i>Applied Physics Letters</i> , 2020, 117, 092404.	1.5	9
1620	Anomalous Hall effect in d_{3d} multilayers mediated by interface scattering and nonlocal spin conductivity. <i>Physical Review B</i> , 2020, 102, .	1.1	14
1621	Valley Hall effect caused by the phonon and photon drag. <i>Physical Review B</i> , 2020, 102, .	1.1	18
1622	Robust ferromagnetism in wafer-scale monolayer and multilayer Fe_3GeTe_2 . <i>Npj 2D Materials and Applications</i> , 2020, 4, .	3.9	37

#	ARTICLE	IF	CITATIONS
1623	Quantum transport evidence of Weyl fermions in an epitaxial ferromagnetic oxide. Nature Communications, 2020, 11, 4969.	5.8	71
1624	Asymmetric Magnetization Reversal Behaviors Driven by Exchange Coupling between All-in-All-out Magnetic Domains and Domain Walls in a $\text{Eu}_2\text{Ir}_2\text{O}_7$ Single Crystal. Journal of Physical Chemistry C, 2020, 124, 22656-22662.	1.5	8
1625	Mode decomposed chiral magnetic effect and rotating fermions. Physical Review D, 2020, 102, .	1.6	8
1626	Static and dynamic origins of interfacial anomalous Hall effect in W/YIG heterostructures. Applied Physics Letters, 2020, 117, 122405.	1.5	6
1627	Quantum-limit Chern topological magnetism in TbMn_6Sn_6 . Nature, 2020, 583, 533-536.	13.7	253
1628	Magnetic topological insulator $\text{MnBi}_6\text{Te}_{10}$ with a zero field ferromagnetic state and gapped Dirac surface states. Physical Review B, 2020, 102, .	1.1	50
1629	Theory of wave-packet transport under narrow gaps and spatial textures: Nonadiabaticity and semiclassicality. Physical Review B, 2020, 102, .	1.1	4
1630	High Curie Temperature Ferromagnetism and High Hole Mobility in Tensile Strained Mn-Doped SiGe Thin Films. Advanced Functional Materials, 2020, 30, 2002513.	7.8	20
1631	Tuning magnetic anisotropy and magnetization switching in FeN ferromagnetic films by crystal regulation. Thin Solid Films, 2020, 709, 138231.	0.8	1
1632	Temperature dependence of the anomalous Nernst coefficient for $\text{Ni}_8\text{OFe}_{20}$ determined with metallic nonlocal spin valves. AIP Advances, 2020, 10, .	0.6	6
1633	Unconventional Hall effect induced by Berry curvature. National Science Review, 2020, 7, 1879-1885.	4.6	19
1634	Large tunable anomalous Hall effect in the kagome antiferromagnet URu_4Mn_8 . Physical Review B, 2020, 102, .	1.1	8
1635	Strain engineering of the magnetic multipole moments and anomalous Hall effect in pyrochlore iridate thin films. Science Advances, 2020, 6, eabb1539.	4.7	24
1636	Observation of Weyl fermions in a magnetic non-centrosymmetric crystal. Nature Communications, 2020, 11, 3356.	5.8	55
1637	2D electron gas in chalcogenide multilayers. , 2020, , 189-234.		1
1638	MnPS_3 spin-flop transition-induced anomalous Hall effect in graphite flake via van der Waals proximity coupling. Nanoscale, 2020, 12, 23266-23273.	2.8	10
1639	Tunable Magnetic Scattering Effects at the $\text{LaAlO}_3/\text{SrTiO}_3$ Interface by Ionic Liquid Gating. ACS Applied Electronic Materials, 2020, 2, 3837-3842.	2.0	2
1640	Non-Abelian Bloch oscillations in higher-order topological insulators. Nature Communications, 2020, 11, 5942.	5.8	23

#	ARTICLE	IF	CITATIONS
1641	In-plane Hall effect in two-dimensional helical electron systems. <i>Physical Review B</i> , 2020, 102, .	1.1	13
1642	Spontaneous time-reversal symmetry breaking without magnetism in an S=1 spin chain. <i>Physical Review B</i> , 2020, 102, .	1.1	1
1643	Emergent Topological Hall Effect at a Chargeâ€ Transfer Interface. <i>Small</i> , 2020, 16, e2004683.	5.2	14
1644	Spin Polarizations in a Covariant Angular-Momentum-Conserved Chiral Transport Model. <i>Physical Review Letters</i> , 2020, 125, 062301.	2.9	59
1645	Observation of compact ferrimagnetic skyrmions in DyCo₃ film. <i>Nanoscale</i> , 2020, 12, 18137-18143.	2.8	13
1646	Magnetic transition behavior and large topological Hall effect in hexagonal Mn2âˆ³xFe1+xSn (xâ€™=â€™0.1) magnet. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	9
1647	Anomalous Hall effect in $\hat{\rho}$-type organic antiferromagnets. <i>Physical Review B</i> , 2020, 102, .	1.1	35
1648	Trion fine structure and anomalous Hall effect in monolayer transition metal dichalcogenides. <i>Physical Review B</i> , 2020, 102, .	1.1	6
1649	Robust topological Hall effect driven by tunable noncoplanar magnetic state in Mn-Pt-In inverse tetragonal Heusler alloys. <i>Physical Review B</i> , 2020, 102, .	1.1	16
1650	Transport Properties in Dense QCD Matter. <i>Symmetry</i> , 2020, 12, 366.	1.1	1
1651	Chirality-induced tunneling asymmetry at a semiconductor interface. <i>Physical Review B</i> , 2020, 102, .	1.1	3
1652	Metallic antiferromagnets. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	57
1653	Spin-glass phase transition revealed in transport measurements. <i>Physical Review B</i> , 2020, 102, .	1.1	8
1654	Giant, unconventional anomalous Hall effect in the metallic frustrated magnet candidate, KV₃ Sb₅. <i>Science Advances</i> , 2020, 6, eabb6003.	4.7	295
1655	Stanene: A good platform for topological insulator and topological superconductor. <i>Frontiers of Physics</i> , 2020, 15, 1.	2.4	28
1656	Noncollinear frustrated antiferromagnetic Mn3P monolayer and its tunability via a spin degree of freedom. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11369-11375.	2.7	3
1657	Quantum anomalous Hall insulator phases in Fe-doped GaBi honeycomb. <i>Chinese Journal of Physics</i> , 2020, 67, 246-252.	2.0	9
1658	Symmetrized decomposition of the Kubo-Bastin formula. <i>Physical Review B</i> , 2020, 102, .	1.1	15

#	ARTICLE	IF	CITATIONS
1659	Electrical detection of ferroelectriclike metals through the nonlinear Hall effect. <i>Physical Review B</i> , 2020, 102, .	1.1	22
1660	Symmetry-protected spinful magnetic Weyl nodal loops and multi-Weyl nodes in 5d cubic double perovskites (n=1,2). <i>Physical Review B</i> , 2020, 102, .	1.1	7
1661	Giant photogalvanic effect and second-harmonic generation in magnetic axion insulators. <i>Physical Review B</i> , 2020, 102, .	1.1	39
1662	Regulating the anomalous Hall and Nernst effects in Heusler-based trilayers. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	7
1663	Semiclassical theory of the circular photogalvanic effect in gyrotropic systems. <i>Physical Review B</i> , 2020, 102, .	1.1	22
1664	Controllable synthesis of Gd-doped SmB ₆ nanobelt arrays for modulating their surface transport behaviors. <i>Materials Today Nano</i> , 2020, 12, 100097.	2.3	2
1665	Transport Properties of Magnetic Nanogranular Composites with Dispersed Ions in an Insulating Matrix. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 131, 160-176.	0.2	24
1666	Contrasting lattice geometry dependent versus independent quantities: Ramifications for Berry curvature, energy gaps, and dynamics. <i>Physical Review B</i> , 2020, 102, .	1.1	18
1667	Platinum composition dependence of spin-orbit torque in (Fe _{0.8} Mn _{0.2}) ^{1-x} Pt ^x single-layer ferromagnet. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	1
1668	Spontaneous (Anti)meron Chains in the Domain Walls of van der Waals Ferromagnetic Fe _{5-x} GeTe ₂ . <i>Advanced Materials</i> , 2020, 32, e2005228.	11.1	53
1669	Anomalous Kerr effect in SrRuO ₃ thin films. <i>Physical Review B</i> , 2020, 102, .	1.1	10
1670	Geometry-induced quantum Hall effect and Hall viscosity. <i>Physical Review B</i> , 2020, 102, .	1.1	2
1671	Longitudinal and anomalous Hall conductivity of a general two-band model. <i>Physical Review B</i> , 2020, 102, .	1.1	17
1672	Interfacial spin-orbit torques. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	37
1673	Multiscattering effects in disordered two-dimensional anisotropic Weyl fermions. <i>Physical Review B</i> , 2020, 102, .	1.1	2
1674	Intrinsic nonreciprocal reflection and violation of Kirchhoff's law of radiation in planar type-I magnetic Weyl semimetal surfaces. <i>Physical Review B</i> , 2020, 102, .	1.1	69
1675	Spin treacle in a frustrated magnet observed with spin current. <i>Physical Review B</i> , 2020, 102, .	1.1	2
1676	Anomalous and topological Hall effect in Cu doped Sb ₂ Te ₃ topological insulator. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	9

#	ARTICLE	IF	CITATIONS
1677	Surface currents in Hall devices. Journal of Applied Physics, 2020, 128, 054501.	1.1	4
1678	Evidence of Ba-substitution induced spin-canting in the magnetic Weyl semimetal $\text{Cd}_3\text{V}_2\text{Sb}_5$. Physical Review B, 2020, 102, .		
1679	Large topological Hall effect in an easy-cone ferromagnet ($\text{Cr}_{0.9}\text{B}_{0.1}$)Te. Applied Physics Letters, 2020, 117, .	1.5	15
1680	Direct Observation of the Statics and Dynamics of Emergent Magnetic Monopoles in a Chiral Magnet. Physical Review Letters, 2020, 125, 137202.	2.9	34
1681	Tunable and enhanced Rashba spin-orbit coupling in iridate-manganite heterostructures. Physical Review B, 2020, 102, .	1.1	21
1682	Demonstration of Dissipative Quasihelical Edge Transport in Quantum Anomalous Hall Insulators. Physical Review Letters, 2020, 125, 126801.	2.9	14
1683	Phonon Angular Momentum Hall Effect. Nano Letters, 2020, 20, 7694-7699.	4.5	31
1684	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
1685	A Comprehensive Review of Integrated Hall Effects in Macro-, Micro-, Nanoscales, and Quantum Devices. Sensors, 2020, 20, 4163.	2.1	25
1686	Anomalous Hall effect in the half-metallic Heusler compound Co_2MnSi (Co_2MnSi) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 377 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")		
1687	Oxygen Vacancy Engineering for Highly Tunable Ferromagnetic Properties: A Case of SrRuO_3 Ultrathin Film with a SrTiO_3 Capping Layer. Advanced Functional Materials, 2020, 30, 2001486.	7.8	26
1688	Topological Kagome Magnet $\text{Co}_3\text{Sn}_2\text{S}_2$ Thin Flakes with High Electron Mobility and Large Anomalous Hall Effect. Nano Letters, 2020, 20, 7476-7481.	4.5	54
1689	Correlation Mechanism of the Insulator-Metal Transition in V_2O_3 Films. Physics of the Solid State, 2020, 62, 1451-1459.	0.2	2
1690	Hall effect in ferromagnetic nanomagnets: Magnetic field dependence as evidence of inverse spin Hall effect contribution. Physical Review B, 2020, 102, .	1.1	4
1691	Anomalous Hall effect in $\text{Ni}_{47.3}\text{Mn}_{30.6}\text{Ga}_{22.1}/\text{MgO}(001)$ thin films. Physical Review B, 2020, 102, .	1.1	2
1692	Near Fermi level electronic structure of Ti_3SiC_2 revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2020, 102, .	1.1	4
1693	Quantum field theory of topological spin dynamics. Physical Review B, 2020, 102, .	1.1	9
1694	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
1695	Nonsaturating magnetoresistance, anomalous Hall effect, and magnetic quantum oscillations in the ferromagnetic semimetal PrAlSi. <i>Physical Review B</i> , 2020, 102, .	1.1	29
1696	Magnetic and transport properties of amorphous, B2 and L21 Co ₂ MnGa thin films. <i>AIP Advances</i> , 2020, 10, 085020.	0.6	16
1697	Electrical readout of the antiferromagnetic state of IrMn through anomalous Hall effect. <i>Journal of Applied Physics</i> , 2020, 128, 053904.	1.1	5
1698	Intrinsic Mechanism for Anisotropic Magnetoresistance and Experimental Confirmation in Co_2MnGa Single-Crystal Films. <i>Physical Review Letters</i> , 2020, 125, 097201.	2.9	38
1699	Bulk valley transport and Berry curvature spreading at the edge of flat bands. <i>Nature Communications</i> , 2020, 11, 5548.	5.8	21
1700	Competing interactions and spin-vector chirality in spin chains. <i>Physical Review B</i> , 2020, 102, .	1.1	2
1701	From MTJ Device to Hybrid CMOS/MTJ Circuits: A Review. <i>IEEE Access</i> , 2020, 8, 194105-194146.	2.6	40
1702	Antiferromagnetic chiral spin density wave and strain-induced Chern insulator in the square lattice Hubbard model with frustration. <i>Physical Review B</i> , 2020, 102, .	1.1	5
1703	Magnus Nernst and thermal Hall effect. <i>Physical Review B</i> , 2020, 102, .	1.1	19
1704	Room temperature anomalous Hall effect in antiferromagnetic Mn ₃ SnN films. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	20
1705	Electronic correlations in the van der Waals ferromagnet Mn_3Sn revealed by its charge dynamics. <i>Physical Review B</i> , 2020, 102, .	1.1	10
1706	Effect of disorder on the transverse magnetoresistance of Weyl semimetals. <i>Physical Review B</i> , 2020, 102, .	1.1	10
1707	Sign of longitudinal magnetoconductivity and the planar Hall effect in Weyl semimetals. <i>Physical Review B</i> , 2020, 102, .	1.1	18
1708	Suppression of the field-like torque for efficient magnetization switching in a spin-orbit ferromagnet. <i>Nature Electronics</i> , 2020, 3, 751-756.	13.1	23
1709	Insulator-to-conductor transition driven by the Rashba-Zeeman effect. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	15
1710	Electrical Signature of Noncollinear Magnetic Textures in Synthetic Antiferromagnets. <i>Physical Review Applied</i> , 2020, 14, .	1.5	4
1711	Berry phase manipulation in ultrathin SrRuO ₃ films. <i>Physical Review B</i> , 2020, 102, .	1.1	26
1712	Generalized Spin Drift-Diffusion Formalism in the Presence of Spin-Orbit Interaction of Ferromagnets. <i>Physical Review Letters</i> , 2020, 125, 207205.	2.9	23

#	ARTICLE	IF	CITATIONS
1713	Orbitronics with uniform and nonuniform magnetic structures. Solid State Physics, 2020, 71, 1-38.	1.3	1
1714	Anomalous Nernst effect in ferromagnetic Mn ₅ Ge ₃ C thin films on insulating sapphire. Journal of Applied Physics, 2020, 128, .	1.1	6
1715	Photoinduced anomalous Hall and nonlinear Hall effect in borophene. Solid State Communications, 2020, 322, 114092.	0.9	12
1716	Large Anomalous Hall Effect and Slow Relaxation of the Magnetization in Fe _{1/3} Ta ₂ . Journal of Physical Chemistry C, 2020, 124, 24984-24994.	1.5	15
1717	Magnetization direction dependent spin Hall effect in ferromagnets. Physical Review B, 2020, 102, .	4.0	20
1718	Topological Hall Effect in Traditional Ferromagnet Embedded with Black-Phosphorus-Like Bismuth Nanosheets. ACS Applied Materials & Interfaces, 2020, 12, 25135-25142.	4.0	21
1719	Cluster Multipole Dynamics in Noncollinear Antiferromagnets. , 2020, , .		1
1720	Anomalous Hall effect, magneto-optical properties, and nonlinear optical properties of twisted graphene systems. Npj Computational Materials, 2020, 6, .	3.5	42
1721	Large anisotropic topological Hall effect in a hexagonal non-collinear magnet Fe ₅ Sn ₃ . Applied Physics Letters, 2020, 116, .	1.5	23
1722	Anomalous Nernst Effect in Epitaxial L ₁ CoPd Alloy Films: Berry Curvature and Thermal Spin Current. Physical Review Applied, 2020, 13, .	1.5	14
1723	Finite-temperature violation of the anomalous transverse Wiedemann-Franz law. Science Advances, 2020, 6, eaaz3522.	4.7	50
1724	Spin-orbit torque in antiferromagnetically coupled Co and Tb multilayers. Physica Scripta, 2020, 95, 075802.	1.2	2
1725	Scaling analysis of anomalous Hall resistivity in the Co ₂ TiAl Heusler alloy. Journal of Physics Condensed Matter, 2020, 32, 365703.	0.7	7
1726	Spin Hall effect in antiferromagnets. Physical Review B, 2020, 101, .	1.1	4
1727	Engineering covalently bonded 2D layered materials by self-intercalation. Nature, 2020, 581, 171-177.	13.7	185
1728	Spin filtering and spin separation in 2D materials by topological spin Hall effect. Journal of Physics Condensed Matter, 2020, 32, 405803.	0.7	5
1729	Anomalous transverse response of Co ₂ and universality of the room-temperature $\hat{\mu}$ Physical Review B, 2020, 101, .	1.1	59
1730	Temperature dependent inverse spin Hall effect in Co/Pt spintronic emitters. Applied Physics Letters, 2020, 116, .	1.5	17

#	ARTICLE	IF	CITATIONS
1731	Spin Hall conductivity in topological Dirac semimetals. <i>Physical Review B</i> , 2020, 101, .	1.1	10
1732	Structure and strain tunings of topological anomalous Hall effect in cubic noncollinear antiferromagnet Mn ₃ Pt epitaxial films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	11
1733	Origin of magnetic inhomogeneity in Cr- and V-doped topological insulators. <i>Physical Review B</i> , 2020, 101, .	1.1	6
1734	High-Temperature Anomalous Hall Effect in a Transition Metal Dichalcogenide Ferromagnetic Insulator Heterostructure. <i>ACS Nano</i> , 2020, 14, 7077-7084.	7.3	15
1735	Oxygen Vacancy-Induced Topological Hall Effect in a Nonmagnetic Band Insulator. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000021.	1.8	9
1736	Spin, charge and lattice dynamics of magnetization processes in frustrated Shastry-Sutherland system TmB ₄ . <i>Solid State Sciences</i> , 2020, 105, 106210.	1.5	2
1737	Noise characterization of ultrasensitive anomalous Hall effect sensors based on Co ₄₀ Fe ₄₀ B ₂₀ thin films with compensated in-plane and perpendicular magnetic anisotropies. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	7
1738	Anomalous Hall Effect in Layered Ferrimagnet MnSb ₂ Te ₄ *. <i>Chinese Physics Letters</i> , 2020, 37, 047301.	1.3	33
1739	Tunable Flux Vortices in Two-Dimensional Dirac Superconductors. <i>Physical Review Letters</i> , 2020, 124, 207006.	2.9	1
1740	Materials with strong spin-textured bands. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	13
1741	Anomalous electrical magnetochiral effect by chiral spin-cluster scattering. <i>Nature Communications</i> , 2020, 11, 2986.	5.8	27
1742	Anomalous photon thermal Hall effect. <i>Physical Review B</i> , 2020, 101, .	1.1	33
1743	Overview and advances in a layered chiral helimagnet Cr _{1/3} NbS ₂ . <i>Materials Today Advances</i> , 2020, 7, 100080.	2.5	32
1744	Magnetic and topological properties in hydrogenated transition metal dichalcogenide monolayers. <i>Chinese Journal of Physics</i> , 2020, 66, 15-23.	2.0	25
1745	Transport, magnetic and optical properties of Weyl materials. <i>Nature Reviews Materials</i> , 2020, 5, 621-636.	23.3	96
1746	Electrically Tunable Wafer-Sized Three-Dimensional Topological Insulator Thin Films Grown by Magnetron Sputtering*. <i>Chinese Physics Letters</i> , 2020, 37, 057301.	1.3	9
1747	Controlling the electrical and magnetic ground states by doping in the complete phase diagram of titanate $\text{Eu}_{1-x}\text{Mn}_x\text{Ti}_2\text{O}_7$ thin films. <i>Physical Review B</i> , 2020, 101, .	1.1	7
1748	Crystal time-reversal symmetry breaking and spontaneous Hall effect in collinear antiferromagnets. <i>Science Advances</i> , 2020, 6, eaaz8809.	4.7	177

#	ARTICLE	IF	CITATIONS
1749	Time-reversal asymmetry without local moments via directional scalar spin chirality. Journal of Physics Condensed Matter, 2020, 32, 255604.	0.7	2
1750	Electronic and magnetic properties of stoichiometric CeAuBi ₂ . Physical Review B, 2020, 101, .	1.1	5
1751	The role of low Gd concentrations on magnetisation behaviour in rare earth:transition metal alloy films. Scientific Reports, 2020, 10, 9767.	1.6	10
1752	Inverse spin Hall photocurrent in thin-film MoTe ₂ . Applied Physics Letters, 2020, 116, 222103.	1.5	1
1753	Room-temperature skyrmions in strain-engineered FeGe thin films. Physical Review B, 2020, 101, .	1.1	15
1754	Spin-dependent transport in uranium. Physical Review B, 2020, 101, .	1.1	6
1755	Trompe Lâ€™oeil Ferromagnetism. Npj Quantum Materials, 2020, 5, .	1.8	21
1756	Crystal Hall and crystal magneto-optical effect in thin films of SrRuO ₃ . Journal of Applied Physics, 2020, 127, .	1.1	37
1757	Electrical magnetotransport properties in RCo_2 compounds ($T_{ETQ} \propto \rho_{BT} / \rho_{lock} \propto T^d$) (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block")	1.1	12
1758	2D materials for spintronic devices. Npj 2D Materials and Applications, 2020, 4, .	3.9	269
1759	Magnetic field direction dependence of topological Hall effect like features in synthetic ferromagnetic and antiferromagnetic multilayers. Applied Physics Letters, 2020, 116, 242403.	1.5	9
1760	Electronic Inhomogeneity Influence on the Anomalous Hall Resistivity Loops of SrRuO ₃ Epitaxially Interfaced with 5d Perovskites. ACS Omega, 2020, 5, 5824-5833.	1.6	16
1761	Single crystal growth and ferromagnetism of Cr-doped Sb ₄ Te ₃ . Journal of Physics Condensed Matter, 2020, 32, 235801.	0.7	1
1762	Programmable Spinâ€‘Orbitâ€‘Torque Logic Device with Integrated Bipolar Bias Field for Chirality Control. Advanced Electronic Materials, 2020, 6, 1901090.	2.6	13
1763	Spin-orbit related power-law dependence of the diffusive conductivity on the carrier density in disordered Rashba two-dimensional electron systems. Physical Review B, 2020, 101, .	1.1	3
1764	Emerging chiral edge states from the confinement of a magnetic Weyl semimetal in Co_3S_2 (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block")	1.1	48
1765	Unusual Field Dependence of the Anomalous Hall Effect in $TaMo_2Tb$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block")	1.5	18
1766	Topological metals induced by the Zeeman effect. Physical Review B, 2020, 101, .	1.1	19

#	ARTICLE	IF	CITATIONS
1767	Effects of magnetic and structural phase transitions on the normal and anomalous Hall effects in Ni-Mn-In-B Heusler alloys. <i>Physical Review B</i> , 2020, 101, .	1.1	24
1768	Spintronics on chiral objects. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	39
1769	Giant Anomalous Hall Conductivity at the PtCrO_3 Interface. <i>Physical Review Applied</i> , 2020, 13, .	1.5	14
1770	Controllable Thickness Inhomogeneity and Berry Curvature Engineering of Anomalous Hall Effect in SrRuO_3 Ultrathin Films. <i>Nano Letters</i> , 2020, 20, 2468-2477.	4.5	74
1771	Defect-implantation for the all-electrical detection of non-collinear spin-textures. <i>Nature Communications</i> , 2020, 11, 1602.	5.8	12
1772	Topological orders of monopoles and hedgehogs: From electronic and magnetic spin-orbit coupling to quarks. <i>Physical Review B</i> , 2020, 101, .	1.1	4
1773	Influence of interactions on the anomalous quantum Hall effect. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 195002.	0.7	10
1774	Magneto-optical Kerr effect in a non-collinear antiferromagnet Mn_3Ge . <i>Applied Physics Letters</i> , 2020, 116, .	1.5	31
1775	High-frequency rectification via chiral Bloch electrons. <i>Science Advances</i> , 2020, 6, eaay2497.	4.7	100
1776	Engineering of the topological magnetic moment of electrons in bilayer graphene using strain and electrical bias. <i>Physical Review B</i> , 2020, 101, .	1.1	17
1777	The current modulation of anomalous Hall effect in van der Waals $\text{Fe}_3\text{GeTe}_2/\text{WTe}_2$ heterostructures. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	28
1778	Casimir force between Weyl semimetals in a chiral medium. <i>Physical Review B</i> , 2020, 101, .	1.1	21
1779	Giant anomalous Hall and Nernst effect in magnetic cubic Heusler compounds. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	57
1780	Large Zeeman splitting induced anomalous Hall effect in ZrTe_5 . <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	29
1781	Unconventional spin-orbit torque in transition metal dichalcogenide ferromagnet bilayers from first-principles calculations. <i>Physical Review B</i> , 2020, 102, .	1.1	29
1782	Optimization of spin Hall magnetoresistance in heavy-metal/ferromagnetic-metal bilayers. <i>Scientific Reports</i> , 2020, 10, 10767.	1.6	6
1783	Giant enhancement of perpendicular magnetic anisotropy and induced quantum anomalous Hall effect in graphene/ $\text{Ni}_2\text{Mn}_2\text{Te}$ heterostructures via tuning the van der Waals interlayer distance. <i>Physical Review B</i> , 2020, 101, .	1.1	37
1784	33% Giant Anomalous Hall Current Driven by Both Intrinsic and Extrinsic Contributions in Magnetic Weyl Semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Advanced Functional Materials</i> , 2020, 30, 2000830.	7.8	44

#	ARTICLE	IF	CITATIONS
1785	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal Co ₂ MnAl. Nature Communications, 2020, 11, 3476.	5.8	127
1786	Exact muffin-tin orbital based fully relativistic simulation of device materials: Electronic charge and spin current. Physical Review B, 2020, 102, .	1.1	10
1787	Interfacial tuning of chiral magnetic interactions for large topological Hall effects in LaMnO ₃ /SrIrO ₃ heterostructures. Science Advances, 2020, 6, eaaz3902.	4.7	50
1788	Tailoring the Hybrid Anomalous Hall Response in Engineered Magnetic Topological Insulator Heterostructures. Nano Letters, 2020, 20, 1731-1737.	4.5	26
1789	Thickness dependence of the anomalous Nernst effect and the Mott relation of Weyl semimetal thin films. Physical Review B, 2020, 101, .	1.1	40
1790	MnB ₂ i ₂ T ₄ . Physical Review B, 2020, 101, .	1.1	23
1791	Spin-orbit coupling in the presence of strong atomic correlations. New Journal of Physics, 2020, 22, 013050.	1.2	2
1792	Compensated Quantum and Topological Hall Effects of Electrons in Polyatomic Stripe Lattices. Physica Status Solidi (B): Basic Research, 2020, 257, 1900518.	0.7	1
1793	Thermal generation of shift electric current. New Journal of Physics, 2020, 22, 013005.	1.2	6
1794	Identifying anomalous Floquet edge modes via bulk "edge correspondence". Chinese Physics B, 2020, 29, 047301.	0.7	3
1795	Extraordinary Hall balance in ultrathin SrRuO ₃ bilayers. JPhys Materials, 2020, 3, 025005.	1.8	8
1796	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear antiferromagnet Mn ₃ Sn. Physical Review B, 2020, 101, .	1.1	68
1797	Spin Hall angle and spin diffusion length of permalloy. AIP Advances, 2020, 10, .	0.6	3
1798	Fabrication and evaluation of highly c-plane oriented Mn ₃ Sn thin films. AIP Advances, 2020, 10, 015310.	0.6	15
1799	Magnetization-Induced Band Shift in Ferromagnetic Weyl Semimetal Co ₂ MnAl. Physical Review Letters, 2020, 124, 077403.	1.1	48
1800	Highly Tunable Nonlinear Hall Effects Induced by Spin-Orbit Couplings in Strained Polar Transition-Metal Dichalcogenides. Physical Review Applied, 2020, 13, .	1.5	49
1801	Magnetism and anomalous transport in the Weyl semimetal PrAlGe: possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, .	1.8	78
1802	Resonant Photovoltaic Effect in Doped Magnetic Semiconductors. Physical Review Letters, 2020, 124, 087402.	2.9	34

#	ARTICLE	IF	CITATIONS
1803	Interlayer exchange coupling and interface magnetic anisotropy with crossed in-plane and perpendicular magnetic anisotropies. <i>AIP Advances</i> , 2020, 10, .	0.6	1
1804	Strain tuned topology in the Haldane and the modified Haldane models. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 225501.	0.7	12
1805	Transport properties of doped permalloy via <i>ab initio</i> calculations: Effect of host disorder. <i>Physical Review B</i> , 2020, 101, .	1.1	4
1806	Observation of planar Hall effect in the ferromagnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166547.	1.0	25
1807	Berry Phase Effects in Dipole Density and the Mott Relation. <i>Physical Review Letters</i> , 2020, 124, 066601.	2.9	17
1808	Nonlinear Anomalous Hall Effect for Néel Vector Detection. <i>Physical Review Letters</i> , 2020, 124, 067203.	2.9	52
1809	Room-temperature terahertz anomalous Hall effect in Weyl antiferromagnet Mn ₃ Sn thin films. <i>Nature Communications</i> , 2020, 11, 909.	5.8	70
1810	Butterfly-shaped magnetoresistance in triangular-lattice antiferromagnet Ag ₂ CrO ₂ . <i>Scientific Reports</i> , 2020, 10, 2525.	1.6	6
1811	Zeeman-splitting-induced topological nodal structure and anomalous Hall conductivity in $ZrTe_{5-x}Mn_x$. <i>Physical Review B</i> , 2020, 101, .	1.1	14
1812	Spin curvature induced resistivity in epitaxial half-metallic CrO ₂ thin films. <i>Nanoscale</i> , 2020, 12, 3958-3964.	2.8	3
1813	Field-sweep-rate and time dependence of transverse resistivity anomalies in ultrathin SrRuO ₃ films. <i>Physical Review B</i> , 2020, 101, .	1.1	12
1814	Antisymmetric linear magnetoresistance and the planar Hall effect. <i>Nature Communications</i> , 2020, 11, 216.	5.8	21
1815	Correlating the Nanoscale Structural, Magnetic, and Magneto-Transport Properties in SrRuO ₃ -Based Perovskite Thin Films: Implications for Oxide Skyrmion Devices. <i>ACS Applied Nano Materials</i> , 2020, 3, 1182-1190.	2.4	26
1816	Coexistence of Surface and Bulk Ferromagnetism Mimics Skyrmion Hall Effect in a Topological Insulator. <i>Physical Review X</i> , 2020, 10, .	2.8	29
1817	Self-doped Mott insulator for parent compounds of nickelate superconductors. <i>Physical Review B</i> , 2020, 101, .	1.1	146
1818	Large anomalous Hall effect in L1 ₂ -ordered antiferromagnetic Mn ₃ Ir thin films. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	41
1819	Multi-level anomalous Hall resistance in a single Hall cross for the applications of neuromorphic device. <i>Scientific Reports</i> , 2020, 10, 1285.	1.6	5
1820	Emergence of a spin-valley Dirac semimetal in a strained group-VA monolayer. <i>Nanoscale</i> , 2020, 12, 3950-3957.	2.8	19

#	ARTICLE	IF	CITATIONS
1821	Transport in two-dimensional topological materials: recent developments in experiment and theory. 2D Materials, 2020, 7, 022007.	2.0	92
1822	Tailored Flux Pinning in Superconductor-Ferromagnet Multilayers with Engineered Magnetic Domain Morphology From Stripes to Skyrmions. Physical Review Applied, 2020, 13, .	1.5	17
1823	Transition from intrinsic to extrinsic anomalous Hall effect in the ferromagnetic Weyl semimetal PrAlGe11Si. APL Materials, 2020, 8, .	2.2	41
1824	Electric field induced modulation of transverse resistivity anomalies in ultrathin SrRuO ₃ epitaxial films. Physical Review B, 2020, 101, .	1.1	8
1825	Spin-Dependent Thermoelectric Transport in Cobalt-Based Heusler Alloys. Annalen Der Physik, 2020, 532, 1900456.	0.9	18
1826	Conserved spin current with a perpendicular magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126454.	0.9	0
1827	Spin-orbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. Nature Electronics, 2020, 3, 309-315.	13.1	45
1828	Anomalous Nernst effect in Co (MgO)1 granular thin films. Applied Physics Letters, 2020, 116, .	1.5	12
1829	Epitaxial growth and orientation-dependent anomalous Hall effect of noncollinear antiferromagnetic Mn ₃ Ni _{0.35} Cu _{0.65} N films. Journal of Applied Physics, 2020, 127, 113907.	1.1	4
1830	Disorder-driven non-Fermi liquid behavior in itinerant ferromagnet $\text{Ir-Co}_5\text{Ge}_3$. Journal of Physics Condensed Matter, 2020, 32, 155802.	0.7	1
1831	Giant anomalous Nernst effect in the Co_2MnAl . Physical Review Letters, 2020, 125, 077201.	1.1	64
1832	Methods of electron transport in ab initio theory of spin stiffness. Physical Review B, 2020, 101, .	1.1	4
1833	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
1834	Dynamical mean-field study of Vanadium diselenide monolayer ferromagnetism. 2D Materials, 2020, 7, 035023.	2.0	14
1835	Large nonreciprocal absorption and emission of radiation in type-I Weyl semimetals with time reversal symmetry breaking. Physical Review B, 2020, 101, .	1.1	84
1836	Nonreciprocal Landau-Zener tunneling. Communications Physics, 2020, 3, .	2.0	25
1837	Large anomalous Hall effect in a hexagonal ferromagnetic Fe_5S_3 . Physical Review Letters, 2020, 125, 077201.	1.1	18
1838	Tunable Room-Temperature Ferromagnetism in Two-Dimensional Cr_2Te_3 . Nano Letters, 2020, 20, 3130-3139.	4.5	175

#	ARTICLE	IF	CITATIONS
1839	Iron-based binary ferromagnets for transverse thermoelectric conversion. <i>Nature</i> , 2020, 581, 53-57.	13.7	162
1840	First-principles study of anomalous Nernst effect in half-metallic iron dichloride monolayer. <i>APL Materials</i> , 2020, 8, .	2.2	12
1842	Complicated magnetic structure and its strong correlation with the anomalous Hall effect in Mn_3Sb_2 . <i>Physical Review B</i> , 2020, 101, .	1.1	17
1843	Nontrivial topological phases on the stuffed honeycomb lattice. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 025601.	0.7	3
1844	Quantum kinetic theory of thermoelectric and thermal transport in a magnetic field. <i>Physical Review B</i> , 2020, 101, .	1.1	14
1845	Chiral Hall effect in the kink states in topological insulators with magnetic domain walls. <i>Physical Review B</i> , 2020, 101, .	1.1	3
1846	Non-adiabatic Hall effect at Berry curvature hot spot. <i>2D Materials</i> , 2020, 7, 045004.	2.0	6
1847	Spin Logical and Memory Device Based on the Nonvolatile Ferroelectric Control of the Perpendicular Magnetic Anisotropy in $\text{PbZr}_{0.2}\text{Ti}_{0.8}\text{O}_3/\text{Co}/\text{Pt}$ Heterostructure. <i>Advanced Electronic Materials</i> , 2020, 6, 2000102.	2.6	12
1848	Anomalous Hall Effect, Robust Negative Magnetoresistance, and Memory Devices Based on a Noncollinear Antiferromagnetic Metal. <i>ACS Nano</i> , 2020, 14, 6242-6248.	7.3	34
1849	Electrical manipulation of a topological antiferromagnetic state. <i>Nature</i> , 2020, 580, 608-613.	13.7	212
1850	Piezostain control of anomalous Hall resistivity of $[\text{Co}/\text{Pt}]_3\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3/\text{PbTiO}_3$ heterostructure. <i>AIP Advances</i> , 2020, 10, 045318.	0.6	1
1851	Numerical study of disorder on the orbital magnetization in two dimensions. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 335302.	0.7	2
1852	Spin-torque switching of noncollinear antiferromagnetic antiperovskites. <i>Physical Review B</i> , 2020, 101, .	1.1	21
1853	Temperature Dependence of the Anomalous Hall Effect from Electron Interactions. <i>Physical Review Letters</i> , 2020, 124, 156802.	2.9	3
1854	Enhanced Thermal Hall Effect in Nearly Ferroelectric Insulators. <i>Physical Review Letters</i> , 2020, 124, 167601.	2.9	47
1855	The effect of Mn_2Sb_2 and Mn_2Sb secondary phases on magnetism in $(\text{GaMn})\text{Sb}$ thin films. <i>PLoS ONE</i> , 2020, 15, e0231538.	1.1	3
1856	Fluctuational anomalous Hall and Nernst effects in superconductors. <i>Annals of Physics</i> , 2020, 417, 168137.	1.0	5
1857	Anomalous Hall Effect and Magnetoresistance in Sputter-Deposited Magnetic Weyl Semimetal Co_2TiGe Thin Films. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000067.	0.7	4

#	ARTICLE	IF	CITATIONS
1858	Topological Quantum Materials from the Viewpoint of Chemistry. <i>Chemical Reviews</i> , 2021, 121, 2780-2815.	23.0	70
1859	Magnetic Skyrmion Materials. <i>Chemical Reviews</i> , 2021, 121, 2857-2897.	23.0	292
1860	Superconductivity and quantum criticality linked by the Hall effect in a strange metal. <i>Nature Physics</i> , 2021, 17, 58-62.	6.5	13
1861	Enhanced Spin Hall Effect in δ -Implanted Pt. <i>Advanced Quantum Technologies</i> , 2021, 4, .	1.8	15
1862	Magnetic properties and anomalous Hall effect in antiferromagnetic Mn ₃ Sn films. <i>Physica B: Condensed Matter</i> , 2021, 604, 412692.	1.3	6
1863	van der Waals Magnets: Material Family, Detection and Modulation of Magnetism, and Perspective in Spintronics. <i>Advanced Science</i> , 2021, 8, 2002488.	5.6	55
1864	2D Polarized Materials: Ferromagnetic, Ferrovalley, Ferroelectric Materials, and Related Heterostructures. <i>Advanced Materials</i> , 2021, 33, e2004469.	11.1	45
1865	Compositional Investigations on the Spin Thermoelectric Effect in Ta _{100-x} Cu _x /Yttrium Iron Garnet Thin Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000464.	1.2	1
1866	Topological Hall Effect in a Topological Insulator Interfaced with a Magnetic Insulator. <i>Nano Letters</i> , 2021, 21, 84-90.	4.5	28
1867	Anisotropic magnetoresistance: A 170-year-old puzzle solved. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	1
1868	High-temperature quantum anomalous Hall regime in a MnBi ₂ Te ₄ /Bi ₂ Te ₃ superlattice. <i>Nature Physics</i> , 2021, 17, 36-42.	6.5	99
1869	Electronic Structure: Metals and Insulators. , 2021, , 1-73.		0
1870	Anomalous Hall resistivity and possible topological Hall effect in the EuAl_4 antiferromagnet. <i>Physical Review B</i> , 2021, 103, .		
1871	Interface-induced sign reversal of the anomalous Hall effect in magnetic topological insulator heterostructures. <i>Nature Communications</i> , 2021, 12, 79.	5.8	31
1872	Domain structure and domain wall dynamics in topological chiral antiferromagnets from the viewpoint of magnetic octupole. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	6
1873	Skyrmion Phase in MnSi Thin Films Grown on Sapphire by a Conventional Sputtering. <i>Nanoscale Research Letters</i> , 2021, 16, 7.	3.1	6
1874	Reservoir Computing Based on Spintronics Technology. <i>Natural Computing Series</i> , 2021, , 331-360.	2.2	7
1875	Tunable anomalous Hall transport in bulk and two-dimensional CrTe_2 : A first-principles study. <i>Physical Review B</i> , 2021, 103, .	1.1	24

#	ARTICLE	IF	CITATIONS
1876	Chiral Photocurrent in Parity-Violating Magnet and Enhanced Response in Topological Antiferromagnet. <i>Physical Review X</i> , 2021, 11, .	2.8	73
1877	Topological insulators-based magnetic heterostructures. <i>Advances in Physics: X</i> , 2021, 6, .	1.5	3
1878	Terahertz Spin-to-Charge Conversion by Interfacial Skew Scattering in Metallic Bilayers. <i>Advanced Materials</i> , 2021, 33, e2006281.	11.1	44
1879	Perspectives of spin-textured ferroelectrics. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 113001.	1.3	53
1880	Enhanced negative magnetoresistance near the charge neutral point in Cr doped topological insulator. <i>RSC Advances</i> , 2021, 11, 13964-13969.	1.7	2
1881	High-harmonic generation in solids. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2021, , 103-156.	2.3	3
1882	Fingerprints of the electron skew scattering on paramagnetic impurities in semiconductor systems. <i>Applied Physics Letters</i> , 2021, 118, 032105.	1.5	1
1883	Spin-orbit torque switching of chiral magnetization across a synthetic antiferromagnet. <i>Communications Physics</i> , 2021, 4, .	2.0	23
1884	Spintronics. , 2021, , 305-424.		1
1885	Berry curvature-induced emerging magnetic response in two-dimensional materials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 127303.	0.2	2
1886	Seebeck-driven transverse thermoelectric generation. <i>Nature Materials</i> , 2021, 20, 463-467.	13.3	102
1887	Anomalous Hall effect in the weak-itinerant ferrimagnet FeCr_2 . <i>Physical Review B</i> , 2021, 103, .		
1888	Twisting the thermoelectric potential. <i>Nature Materials</i> , 2021, 20, 451-452.	13.3	3
1889	Magnetotransport. , 2021, , 1-41.		0
1890	Room-temperature nonlinear Hall effect and wireless radiofrequency rectification in Weyl semimetal TaIrTe ₄ . <i>Nature Nanotechnology</i> , 2021, 16, 421-425.	15.6	91
1891	Topological Hall effect and magnetic states in the Nowotny chimney ladder compound Cr ₁₁ Ge ₁₉ . <i>Physical Review B</i> , 2021, 103, .	1.1	3
1892	Dilute Magnetic Materials. , 2021, , 1-56.		1
1893	Giant anomalous Hall effect from spin-chirality scattering in a chiral magnet. <i>Nature Communications</i> , 2021, 12, 317.	5.8	40

#	ARTICLE	IF	CITATIONS
1894	Chiral Spin Textures in Amorphous Iron-Germanium Thick Films. <i>Advanced Materials</i> , 2021, 33, e2004830.	11.1	13
1895	Geometrical Hall effect and momentum-space Berry curvature from spin-reversed band pairs. <i>Physical Review B</i> , 2021, 103, .	1.1	8
1896	Current-Driven Magnetization Reversal in Orbital Chern Insulators. <i>Physical Review Letters</i> , 2021, 126, 056801.	2.9	15
1897	Nanometric skyrmion lattice from anisotropic exchange interactions in a centrosymmetric host. <i>New Journal of Physics</i> , 2021, 23, 023039.	1.2	50
1898	Low-temperature ferromagnetism in perovskite SrIrO_3 films. <i>Physical Review B</i> , 2021, 103, .	1.1	10
1899	Giant topological Hall effect around room temperature in noncollinear ferromagnet NdMn_2Ge_2 single crystal. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	18
1900	Transport Properties in Magnetized Compact Stars. <i>Particles</i> , 2021, 4, 63-74.	0.5	0
1901	High performance Wannier interpolation of Berry curvature and related quantities with WannierBerri code. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	46
1902	Critical thickness for the emergence of Weyl features in $\text{Co}_3\text{Sn}_2\text{S}_2$ thin films. <i>Communications Materials</i> , 2021, 2, .	2.9	23
1903	Magnetic dynamics with Weyl fermions. <i>Physical Review B</i> , 2021, 103, .	1.1	5
1904	First Principles Investigation of Anomalous Hall and Spin Hall Effects in Ferromagnetic CoPt . <i>Journal of the Physical Society of Japan</i> , 2021, 90, 024707.	0.7	6
1905	Enhanced anomalous Nernst effect in disordered Dirac and Weyl materials. <i>Physical Review B</i> , 2021, 103, .	1.1	19
1906	Omnidirectional Control of Large Electrical Output in a Topological Antiferromagnet. <i>Advanced Functional Materials</i> , 2021, 31, 2008971.	7.8	26
1907	Magnetic and electron transport properties of CoMn_2O_7 nanomagnets. <i>Physical Review Materials</i> , 2021, 5, .		
1908	Pressure-controlled anomalous Hall conductivity in the half-Heusler antiferromagnet GdPtBi . <i>Physical Review B</i> , 2021, 103, .	1.1	7
1909	Unconventional anomalous Hall effect in magnetic topological insulator MnBi_4Te_7 device. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7
1910	Charge-spin interconversion and its applications in magnetic sensing. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	5
1911	First-principles study of the anomalous Hall effect based on exact muffin-tin orbitals. <i>Physical Review B</i> , 2021, 103, .	1.1	5

#	ARTICLE	IF	CITATIONS
1912	Transport phenomena in spin caloritronics. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2021, 97, 69-88.	1.6	50
1913	Berry curvature origin of the thickness-dependent anomalous Hall effect in a ferromagnetic Weyl semimetal. Npj Quantum Materials, 2021, 6, .	1.8	26
1914	Giant spontaneous Hall effect in a nonmagnetic Weyl-Kondo semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	53
1915	Post-synthesis control of Berry phase driven magnetotransport in SrRuO_3 films. Physical Review B, 2021, 103, .	4.1	40
1916	Berry Phase Engineering in SrRuO_3 / SrIrO_3 / SrTiO_3 Superlattices Induced by Band Structure Reconstruction. ACS Nano, 2021, 15, 5086-5095.	7.3	19
1917	Unconventional Transverse Transport above and below the Magnetic Transition Temperature in Weyl Semimetal EuCd_2As_2 . Physical Review Letters, 2021, 126, 076602.	2.9	40
1918	Role of Magnetic Exchange Interactions in Chiral-Type Hall Effects of Epitaxial MnPtSn Films. ACS Applied Electronic Materials, 2021, 3, 1323-1333.	2.0	11
1919	Symmetry-Driven Spin-Wave Gap Modulation in Nanolayered SrRuO_3 / SrTiO_3 Heterostructures: Implications for Spintronic Applications. ACS Applied Nano Materials, 2021, 4, 2160-2166.	2.4	12
1920	Magnetic order and surface state gap in $(\text{Sb}_{0.95}\text{Cr}_{0.05})_2\text{Te}_3$. Physical Review B, 2021, 103, .	1.1	7
1921	The effect of $\hat{\Gamma}^3$ -ray irradiation on the SOT magnetic films and Hall devices. Journal of Semiconductors, 2021, 42, 024102.	2.0	3
1922	Controllable Spin-Orbit Torque Efficiency in Pt/Co/Ru/Co/Pt Multilayers with Interlayer Exchange Couplings. ACS Applied Electronic Materials, 2021, 3, 611-618.	2.0	14
1923	Type-III Weyl semimetals: $\text{Co}_3\text{Sn}_2\text{S}_2$. Physical Review B, 2021, 103, .	5.2	52
1924	Hall effects in artificially corrugated bilayer graphene without breaking time-reversal symmetry. Nature Electronics, 2021, 4, 116-125.	18.1	49
1925	Robust perpendicular magnetic anisotropy of $\text{Co}_3\text{Sn}_2\text{S}_2$ phase in sulfur deficient sputtered thin films. Physical Review Materials, 2021, 5, .	0.9	7
1926	Granular Hall Sensors for Scanning Probe Microscopy. Nanomaterials, 2021, 11, 348.	1.9	6
1927	Interfacial Crystal Hall Effect Reversible by Ferroelectric Polarization. Physical Review Applied, 2021, 15, .	1.5	20
1928	Anisotropic magnetoelastic response in the magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	14
1929	Spin-valley coupling in a two-dimensional Si_2N_4 monolayer. Physical Review B, 2021, 103, .	1.4	14

#	ARTICLE	IF	CITATIONS
1930	Micron-Scale Anomalous Hall Sensors Based on FePt \hat{x} Thin Films with a Large Hall Angle and near the Spin-Reorientation Transition. <i>Nanomaterials</i> , 2021, 11, 854.	1.9	6
1931	Spin Hall effect in amorphous YPt alloy. <i>Applied Physics Express</i> , 2021, 14, 043002.	1.1	3
1932	Tailoring the anomalous Hall effect of SrRuO ₃ thin films by strain: A first principles study. <i>Journal of Applied Physics</i> , 2021, 129, 093904.	1.1	5
1933	Topology and Symmetry of Quantum Materials via Nonlinear Optical Responses. <i>Annual Review of Condensed Matter Physics</i> , 2021, 12, 247-272.	5.2	54
1934	Intrinsic Hall conductivities induced by the orbital magnetic moment. <i>Physical Review B</i> , 2021, 103, .	1.1	13
1935	Magnetotransport Properties of Thin Ni _{49.7} Fe _{17.4} Co _{4.2} Ga _{28.7} Films. <i>Journal of Experimental and Theoretical Physics</i> , 2021, 132, 457-462.	0.2	1
1936	Probing topological quantum matter with scanning tunnelling microscopy. <i>Nature Reviews Physics</i> , 2021, 3, 249-263.	11.9	60
1937	Ultrafast non-excitonic valley Hall effect in MoS ₂ /WTe ₂ heterobilayers. <i>Nature Communications</i> , 2021, 12, 1635.	5.8	8
1938	Crossover between short- and long-range proximity effects in superconductor/ferromagnet/superconductor junctions with Ni-based ferromagnets. <i>Physical Review B</i> , 2021, 103, .	1.1	2
1939	Quantum Graphs with Vertices Violating the Time Reversal Symmetry. <i>Physics of Particles and Nuclei</i> , 2021, 52, 330-336.	0.2	1
1940	Intrinsic contribution to nonlinear thermoelectric effects in topological insulators. <i>Physical Review B</i> , 2021, 103, .	1.1	9
1941	Ferromagnetism in two-dimensional CrTe ₂ epitaxial films down to a few atomic layers. <i>AIP Advances</i> , 2021, 11, .	0.6	19
1942	First-principles calculations for topological quantum materials. <i>Nature Reviews Physics</i> , 2021, 3, 283-297.	11.9	48
1943	Frequency-independent Terahertz Anomalous Hall Effect in DyCo ₅ , Co ₃₂ Fe ₆₈ , and Gd ₂₇ Fe ₇₃ Thin Films from DC to 40 THz. <i>Advanced Materials</i> , 2021, 33, e2007398.	11.1	20
1944	Noncollinear ferromagnetic Weyl semimetal with anisotropic anomalous Hall effect. <i>Physical Review B</i> , 2021, 103, .	1.1	42
1945	Artificial electric field and electron hydrodynamics. <i>Physical Review Research</i> , 2021, 3, .	1.3	5
1946	Colossal anomalous Nernst effect in a correlated noncentrosymmetric kagome ferromagnet. <i>Science Advances</i> , 2021, 7, .	4.7	61
1947	Tunable intrinsic spin Hall conductivity in bilayer PtTe ₂ by controlling the stacking mode. <i>Physical Review B</i> , 2021, 103, .	1.1	10

#	ARTICLE	IF	CITATIONS
1948	Inversion of angular-dependent planar magnetoresistance in epitaxial Pt/Fe ₂ -Fe ₄ N bilayers. Applied Physics Letters, 2021, 118, 111601.	1.5	2
1949	Domain wall skew scattering in ferromagnetic Weyl metals. Physical Review B, 2021, 103, .	1.1	7
1950	Anomalous Nernst effect in the ceramic and thin film samples of $\text{La}_{0.7}\text{MnO}_3$ perovskite. Physical Review Materials, 2021, 5, .	0.9	6
1951	Quantification of the interfacial and bulk contributions to the longitudinal spin Seebeck effect. Applied Physics Letters, 2021, 118, .	1.5	14
1952	Anomalous Nernst and Seebeck Effects in NiCo ₂ O ₄ Films. Journal of the Magnetism Society of Japan, 2021, 45, 37-40.	0.5	3
1953	The Layer-Inserting Growth of Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ Based on Symmetry and Its X-ray Photoelectron Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1485-1493.	0.8	6
1954	Anomalous Hall effect in graphene coupled to a layered magnetic semiconductor. Physical Review B, 2021, 103, .	1.1	8
1955	Giant Anomalous Hall Effect due to Double-Degenerate Quasiflat Bands. Physical Review Letters, 2021, 126, 106601.	2.9	16
1956	2D Berry Curvature-Driven Large Anomalous Hall Effect in Layered Topological Nodal Line MnAlGe. Advanced Materials, 2021, 33, e2006301.	11.1	28
1957	Photoinduced anomalous Hall effect in two-dimensional transition metal dichalcogenides. Physical Review B, 2021, 103, .	1.1	9
1958	Large topological Hall effect near room temperature in noncollinear ferromagnet Mn_2Ti single crystal. Physical Review Materials, 2021, 5, .	1.1	11
1959	Symmetry Breaking and Nonlinear Electric Transport in van der Waals Nanostructures. Annual Review of Condensed Matter Physics, 2021, 12, 201-223.	5.2	30
1960	Transition metal dichalcogenide monolayers in an ultrashort optical pulse: Femtosecond currents and anisotropic electron dynamics. Physical Review B, 2021, 103, .	1.1	1
1961	Designing nonlinear thermal devices and metamaterials under the Fourier law: A route to nonlinear thermotics. Frontiers of Physics, 2021, 16, 1.	2.4	40
1962	Controllable field-free switching of perpendicular magnetization through bulk spin-orbit torque in symmetry-broken ferromagnetic films. Nature Communications, 2021, 12, 2473.	5.8	59
1963	Transverse Transport in Two-Dimensional Relativistic Systems with Nontrivial Spin Textures. Physical Review Letters, 2021, 126, 147203.	2.9	19
1964	Giant c-axis nonlinear anomalous Hall effect in Td-MoTe ₂ and WTe ₂ . Nature Communications, 2021, 12, 2049.	5.8	41
1965	Intrinsic Anomalous Hall Conductivity in a Nonuniform Electric Field. Physical Review Letters, 2021, 126, 156602.	2.9	18

#	ARTICLE	IF	CITATIONS
1966	Disentangling Spin, Anomalous, and Planar Hall Effects in Ferromagnetic "Heavy-Metal Nanostructures. <i>Physical Review Applied</i> , 2021, 15, .	1.5	16
1967	Low Gilbert damping in epitaxial thin films of the nodal-line semimetal $\text{D}_{0.1}\text{Fe}_{0.9}\text{Ga}_3$. <i>Physical Review B</i> , 2021, 103, .	1.1	5
1968	Transverse thermoelectric generation using magnetic materials. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	56
1969	Manipulating Berry curvature of SrRuO_3 thin films via epitaxial strain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	41
1970	Large anomalous Hall effect in the kagome ferromagnet LiMn_6Sn_6 . <i>Physical Review B</i> , 2021, 103, .	1.1	35
1971	Emergent Ferromagnetism with Fermi-Liquid Behavior in Proton Intercalated CaRuO_3 . <i>Physical Review X</i> , 2021, 11, .	2.8	10
1972	Topological Properties in a \hat{V} -Type Dice Model. <i>Crystals</i> , 2021, 11, 467.	1.0	1
1973	Colossal Anomalous Hall Effect in Ferromagnetic van der Waals CrTe_2 . <i>ACS Nano</i> , 2021, 15, 9759-9763.	7.3	30
1974	Topological and geometrical aspects of band theory. <i>JPhys Materials</i> , 2021, 4, 034007.	1.8	41
1975	Chiral spintronics. <i>Nature Reviews Physics</i> , 2021, 3, 328-343.	11.9	191
1976	(Quasi-)Quantization of the electrical, thermal, and thermoelectrical conductivities in two and three dimensions. <i>Journal of Physics Communications</i> , 2021, 5, 045007.	0.5	2
1977	Evolution of ferromagnetism coupled by magneto-transport in compressively strained $\text{Sr}_{1-x}\text{Pb}_x\text{RuO}_3$ thin films. <i>Physical Review Materials</i> , 2021, 5, .	0.9	1
1978	Magnetic passivation using chiral molecules. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7
1979	Ultralow-current magnetization switching in nearly compensated synthetic antiferromagnetic frames using sandwiched spin sources. <i>Acta Materialia</i> , 2021, 208, 116708.	3.8	4
1980	First-principles discovery of novel quantum physics and materials: From theory to experiment. <i>Computational Materials Science</i> , 2021, 190, 110262.	1.4	8
1981	Non-Planar Geometrical Effects on the Magnetoelectrical Signal in a Three-Dimensional Nanomagnetic Circuit. <i>ACS Nano</i> , 2021, 15, 6765-6773.	7.3	16
1982	Thermal and field-rate dependence of multi-step magnetization switching of synthetic antiferromagnetic multilayers. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	3
1983	Orbital magnetic states in moiré graphene systems. <i>Nature Reviews Physics</i> , 2021, 3, 367-382.	11.9	51

#	ARTICLE	IF	CITATIONS
1984	Room Temperature Quantum Anomalous Hall Insulator in a Honeycomb Kagome Lattice, Ta_2O_3 , with Huge Magnetic Anisotropy Energy. ACS Applied Electronic Materials, 2021, 3, 1826-1833.	2.0	11

1985
kagome lattice structures: Application to
hexagonal
mml:math
mml:mrow
mml:msub
mml:mi

#	ARTICLE	IF	CITATIONS
2002	Magnetic Anisotropy and Damping Constant of Ferrimagnetic GdCo Alloy near Compensation Point. <i>Materials</i> , 2021, 14, 2604.	1.3	10
2003	Hard magnet topological semimetals in XPt ₃ compounds with the harmony of Berry curvature. <i>Communications Physics</i> , 2021, 4, .	2.0	8
2004	Giant Anomalous Hall Conductivity in the Itinerant Ferromagnet LaCrSb ₃ and the Effect of f _d Electrons. <i>Advanced Quantum Technologies</i> , 2021, 4, 2100023.	1.8	3
2005	Correlated Magnetic Weyl Semimetal State in Strained Pr ₂ Ir ₂ O ₇ . <i>Advanced Materials</i> , 2021, 33, e2008528.	11.1	21
2006	Quantum kinetics of anomalous and nonlinear Hall effects in topological semimetals. <i>Annals of Physics</i> , 2021, 435, 168492.	1.0	8
2007	Terahertz detection based on nonlinear Hall effect without magnetic field. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	40
2008	Electrical and thermal generation of spin currents by magnetic bilayer graphene. <i>Nature Nanotechnology</i> , 2021, 16, 788-794.	15.6	71
2009	Emergence of Room Temperature Magnetotransport Anomaly in Epitaxial Pt ³ -Fe ₄ N/MgO Heterostructures toward Noncollinear Spintronics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26639-26648.	4.0	3
2010	Large anomalous Hall effect induced by gapped nodal lines in GdZn and GdCd. <i>Physical Review B</i> , 2021, 103, .	1.1	3
2011	Interplay of sample composition and anomalous Hall effect in $S_{Co_xMn_{1-x}}$. <i>Physical Review B</i> , 2021, 103, .	1.1	15
2012	Carrier density and thickness-dependent proximity effect in doped-topological-insulator-metallic-ferromagnet bilayers. <i>Physical Review B</i> , 2021, 103, .	1.1	1
2013	Calculation of Berry curvature using non-orthogonal atomic orbitals. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 325503.	0.7	5
2014	Berry Curvature Effects on Quasiparticle Dynamics in Superconductors. <i>Physical Review Letters</i> , 2021, 126, 187001.	2.9	13
2015	Possible Topological Hall Effect above Room Temperature in Layered Cr _{1.2} Te ₂ Ferromagnet. <i>Nano Letters</i> , 2021, 21, 4280-4286.	4.5	35
2016	Topological Nernst effect, anomalous Nernst effect, and anomalous thermal Hall effect in the Dirac semimetal S_{FeMn_3} . <i>Physical Review B</i> , 2021, 103, .	1.1	24
2017	First-principles investigation of magnetic and transport properties in hole-doped shandite compounds S_{CoMn_3} . <i>Physical Review B</i> , 2021, 103, .	1.3	21
2018	Super skew scattering in two-dimensional Dirac material systems with a flat band. <i>Physical Review B</i> , 2021, 103, .	1.1	7
2019	Reconfigurable Magnetic Origami Actuators with On-Board Sensing for Guided Assembly. <i>Advanced Materials</i> , 2021, 33, e2008751.	11.1	39

#	ARTICLE	IF	CITATIONS
2020	Observation of a chiral wave function in the twofold-degenerate quadruple Weyl system BaPtGe. Physical Review B, 2021, 103, .	1.1	10
2021	Site mixing induced ferrimagnetism and anomalous transport properties of the Weyl semimetal candidate MnSb . Physical Review B, 2021, 103, .	1.1	13
2022	Third-order nonlinear Hall effect induced by the Berry-connection polarizability tensor. Nature Nanotechnology, 2021, 16, 869-873.	15.6	50
2023	Unconventional anomalous Hall effect from magnetization parallel to the electric field. Physical Review B, 2021, 103, .	1.1	10
2024	Two-Dimensional Chromium Bismuthate: A Room-Temperature Ising Ferromagnet with Tunable Magneto-Optical Response. Physical Review Applied, 2021, 15, .	1.5	14
2025	In-plane magnetic field-induced skyrmion crystal in frustrated magnets with easy-plane anisotropy. Physical Review B, 2021, 103, .	1.1	33
2026	Magnus Hall Effect in Two-Dimensional Materials. Chinese Physics Letters, 2021, 38, 057301.	1.3	6
2027	Tailoring Dzyaloshinskii-Moriya interaction in a transition metal dichalcogenide by dual-intercalation. Nature Communications, 2021, 12, 3639.	5.8	28
2028	Topological Hall effect in magnetic topological insulator films. Journal of Magnetism and Magnetic Materials, 2021, 528, 167700.	1.0	2
2029	Electronic and heat transport phenomena in the nanogranular thiospinel FeMn_3S_4 . Physical Review B, 2021, 103, .	1.1	2
2030	Theory for electrical detection of the magnon Hall effect induced by dipolar interactions. Physical Review B, 2021, 103, .	1.1	2
2031	Large intrinsic anomalous Hall effect in SrIrO ₃ induced by magnetic proximity effect. Nature Communications, 2021, 12, 3283.	5.8	34
2032	Comparison of the magnetic properties of bismuth substituted thulium iron garnet and yttrium iron garnet films. AIP Advances, 2021, 11, 065113.	0.6	6
2033	Interface-driven electrical magnetochiral anisotropy in Pt/PtMnGa bilayers. Applied Physics Letters, 2021, 118, 252403.	1.5	1
2034	Recent Progress in Proximity Coupling of Magnetism to Topological Insulators. Advanced Materials, 2021, 33, e2007795.	11.1	36
2035	Perpendicular Magnetic Anisotropy Electric Field Modulation in Magnetron-Sputtered Pt/Co/X/MgO Ultrathin Structures With Chemically Tailored Top Interface. IEEE Transactions on Magnetics, 2021, 57, 1-10.	1.2	1
2036	Observation of the Anomalous Hall Effect in NdTiO ₃ /SrTiO ₃ Heterostructures. Journal of Physical Chemistry C, 2021, 125, 12968-12974.	1.5	2
2037	Nonlinear Hall effect in two-dimensional class-AI metals. Physical Review B, 2021, 103, .	1.1	6

#	ARTICLE	IF	CITATIONS
2038	Floquet topological phase transition in two-dimensional quadratic band crossing system*. Chinese Physics B, 2021, 30, 067304.	0.7	0
2039	Influence of heavy-metal capping layers on perpendicular magnetic anisotropy and spin-orbit torques of Pt/Co/HM stacks structures. Solid State Communications, 2021, 332, 114340.	0.9	1
2040	Gate-Controlled Magnetic Phase Transition in a van der Waals Magnet Fe_5GeTe_2 . Nano Letters, 2021, 21, 5599-5605.	4.5	45
2041	Local Spin Ice Order Induced Planar Hall Effect in NdSn Artificial Honeycomb Lattice. Advanced Electronic Materials, 2021, 7, 2100079.	2.6	1
2042	Predicting and Synthesizing Interface Stabilized 2D Layers. Chemistry of Materials, 2021, 33, 5076-5084.	3.2	4
2043	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
2044	Magnetism in curved geometries. Journal of Applied Physics, 2021, 129, .	1.1	29
2045	Nonlinear transport in Weyl semimetals induced by Berry curvature dipole. Physical Review B, 2021, 103, .	1.1	35
2046	Experimental observation of topological Hall effects in compensated ferrimagnet-heavy metal layered structures. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	8
2047	Anomalous Hall effect in the distorted Kagome magnets (Nd,Sm) $\langle \text{Mn}_6\text{Sn}_6 \rangle$. Physical Review B, 2021, 103, .	1.1	17
2048	Generating a Topological Anomalous Hall Effect in a Nonmagnetic Conductor: An In-Plane Magnetic Field as a Direct Probe of the Berry Curvature. Physical Review Letters, 2021, 126, 256601.	2.9	35
2049	Moment divergence from Slater-Pauling curve of epitaxial $\text{Co}_{100-x}\text{Mn}_x$ films on $\text{MgO}(001)$. Journal of Magnetism and Magnetic Materials, 2021, 527, 167729.	1.0	0
2050	Anomaly-induced sound absorption in Weyl semimetals. Physical Review B, 2021, 103, .	1.1	9
2051	Multifunctional antiperovskites driven by strong magnetostructural coupling. Npj Computational Materials, 2021, 7, .	3.5	22
2052	Chirality-Dependent Hall Effect and Antisymmetric Magnetoresistance in a Magnetic Weyl Semimetal. Physical Review Letters, 2021, 126, 236601.	2.9	24
2053	Rare Earth Engineering in $\langle \text{R}_2\text{Mn}_6 \rangle$		

#	ARTICLE	IF	CITATIONS
2056	Absence of Hall effect due to Berry curvature in phase space. <i>Scientific Reports</i> , 2021, 11, 12065.	1.6	2
2057	Theory of Magnetic-Texture-Induced Anomalous Hall Effect on the Surface of Topological Insulators. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 063703.	0.7	5
2058	Charge transport in magnetic topological ultra-thin films: the effect of structural inversion asymmetry. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 325702.	0.7	1
2059	Quantum anomalous Hall effect in a three-dimensional topological-insulator thin-film-ferromagnetic-metal heterostructure. <i>Physical Review B</i> , 2021, 103, .	1.1	2
2060	Crossover behavior of the anomalous Hall effect in $\text{P}_{1-x}\text{Ga}_x\text{MnAs}$. <i>Physical Review B</i> , 2021, 103, .	1.1	3
2061	All-Electrical Magnon Transport Experiments in Magnetically Ordered Insulators. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100130.	1.2	12
2062	Topological insulators and semimetals in classical magnetic systems. <i>Physics Reports</i> , 2021, 915, 1-64.	10.3	56
2063	Eshelby-twisted three-dimensional moiré superlattices. <i>Physical Review B</i> , 2021, 103, .	1.1	11
2064	Thermal induced spin-polarized current protected by spin-momentum locking in ZrTe_5 nanowires. <i>Physical Review B</i> , 2021, 104, .	1.1	3
2065	Large Anomalous Hall and Nernst Effects in High Curie-Temperature Iron-Based Heusler Compounds. <i>Advanced Science</i> , 2021, 8, e2100782.	5.6	20
2066	The deterministic field-free magnetization switching of perpendicular ferrimagnetic Tb-Co alloy film induced by interfacial spin current. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	6
2067	Ferroelectric control of the perpendicular magnetic anisotropy in PtCoRu/Hf _{0.5} Zr _{0.5} O ₂ heterostructure. <i>Applied Physics Letters</i> , 2021, 119, 022405.	1.5	3
2068	Large linear non-saturating magnetoresistance and high mobility in ferromagnetic MnBi. <i>Nature Communications</i> , 2021, 12, 4576.	5.8	22
2069	Spin and anomalous Hall effects emerging from topological degeneracy in the Dirac fermion system CuMnAs. <i>Physical Review B</i> , 2021, 104, .	1.1	2
2070	Topological quantum matter to topological phase conversion: Fundamentals, materials, physical systems for phase conversions, and device applications. <i>Materials Science and Engineering Reports</i> , 2021, 145, 100620.	14.8	23
2071	Roadmap of Spin-Orbit Torques. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-39.	1.2	225
2072	The atomic ordering dependence of magnetic and magneto-transport properties for polycrystalline Fe ₃ Si films. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 530, 167904.	1.0	4
2073	Microscopic theory of magnetoconductivity at low magnetic fields in terms of Berry curvature and orbital magnetic moment. <i>Physical Review Research</i> , 2021, 3, .	1.3	5

#	ARTICLE	IF	CITATIONS
2074	Ferroelectric gate control of Rashba-Dresselhaus spin-orbit coupling in ferromagnetic semiconductor (Zn, Co)O. Applied Physics Letters, 2021, 119, 012403.	1.5	1
2075	Ferromagnetic-electrodes-induced Hall effect in topological Dirac semimetals. Physical Review Research, 2021, 3, .	1.3	2
2076	Magnetic-field-induced robust zero Hall plateau state in MnBi ₂ Te ₄ Chern insulator. Nature Communications, 2021, 12, 4647.	5.8	43
2077	Layer Hall effect in a 2D topological axion antiferromagnet. Nature, 2021, 595, 521-525.	13.7	136
2078	Concurrence of anomalous Hall effect and charge density wave in a superconducting topological kagome metal. Physical Review B, 2021, 104, .	1.1	202
2079	Observation of Zero-Field Transverse Resistance in AlO _x /SrTiO ₃ Interface Devices. Physical Review Letters, 2021, 127, 036801.	2.9	3
2080	Voltage control of ferrimagnetic order and voltage-assisted writing of ferrimagnetic spin textures. Nature Nanotechnology, 2021, 16, 981-988.	15.6	45
2081	Nonlinear Hall Effect with Time-Reversal Symmetry: Theory and Material Realizations. Advanced Quantum Technologies, 2021, 4, 2100056.	1.8	36
2082	Thermal transport in CuCr_2O_7 (Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422 Td) (X)	1.1	6
2083	Physical Review B, 2021, 104, . Epitaxial growth of Bi(110) and Bi ₂ Se ₃ thin films on a ferromagnetic insulator substrate of Cr ₂ Ge ₂ Te ₆ . Journal of Physics Condensed Matter, 2021, 33, 415001.	0.7	3
2084	Magnetic order and magnetotransport in half-metallic ferrimagnetic Mn_2O_7 thin films. Physical Review B, 2021, 104, .	1.1	9
2085	Anomalous Hall effect in antiferromagnetic Cr thin films. Physical Review B, 2021, 104, .	1.1	11
2087	Rare-Earth Permanent Magnet SmCo ₅ for Chiral Interfacial Spin-Orbitronics. Advanced Functional Materials, 2021, 31, 2104426.	7.8	12
2088	Anomalous Hall effect in ferrimagnetic metal RMn ₆ Sn ₆ (R = Tb, Dy, Ho) with clean Mn kagome lattice. Applied Physics Letters, 2021, 119, .	1.5	29
2089	Berry curvature and quantum metric in N -band systems: An eigenprojector approach. Physical Review B, 2021, 104, .	1.1	16
2090	$\text{Mn}_{0.74}\text{Co}_{0.57}\text{Al}_{0.69}$		
2091	Growth and characterization of the dynamical axion insulator candidate Mn_2O_7 intrinsic antiferromagnetism. Physical Review B, 2021, 104, .		
2092	Magnetoelectric effects in superconductors due to spin-orbit scattering: Nonlinear J_f -model description. Physical Review B, 2021, 104, .	1.1	6

#	ARTICLE	IF	CITATIONS
2093	Spin-orbit dependence of anisotropic current-induced spin polarization. <i>Physical Review B</i> , 2021, 104, .	1.1	10
2094	Anomalous ultrafast all-optical Hall effect in gapped graphene. <i>Nanophotonics</i> , 2021, 10, 3677-3685.	2.9	4
2095	Probing the magnetization switching with in-plane magnetic anisotropy through field-modified magnetoresistance measurement. <i>Chinese Physics B</i> , 2022, 31, 017502.	0.7	1
2096	Revealing the non-adiabatic and non-Abelian multiple-band effects via anisotropic valley Hall conduction in bilayer graphene. <i>2D Materials</i> , 2021, 8, 045012.	2.0	1
2097	Topological spin crystals by itinerant frustration. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 443001.	0.7	60
2098	Modulating the Verwey Transition of Epitaxial Magnetite Thin Films by Ionic Gating. <i>Advanced Functional Materials</i> , 2021, 31, 2104816.	7.8	1
2099	Prediction of double-Weyl points in the iron-based superconductor $\text{CaKFe}_4\text{As}_5$. <i>Physical Review B</i> , 2021, 104, .	1.1	5
2100	Intermediate anomalous Hall states induced by noncollinear spin structure in the magnetic topological insulator MnBi . <i>Physical Review B</i> , 2021, 104, .	1.1	7
2101	Multipole classification in 122 magnetic point groups for unified understanding of multiferroic responses and transport phenomena. <i>Physical Review B</i> , 2021, 104, .	1.1	42
2102	Vertical transverse transport induced by hidden in-plane Berry curvature in two dimensions. <i>Physical Review B</i> , 2021, 104, .	1.1	1
2103	Giant Topological Hall Effect in van der Waals Heterostructures of $\text{CrTe}_2/\text{Bi}_2\text{Te}_3$. <i>ACS Nano</i> , 2021, 15, 15710-15719.	7.3	34
2104	Orbitronics: Orbital currents in solids. <i>Europhysics Letters</i> , 2021, 135, 37001.	0.7	77
2105	Linear magnetization dependence and large intrinsic anomalous Hall effect in FeB_{13} metallic glasses. <i>Physical Review B</i> , 2021, 104, .	1.1	1
2106	Large Hall and Nernst responses from thermally induced spin chirality in a spin-trimer ferromagnet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
2107	Structural characterization and magnetic response of poly(p-xylylene) MnSb and MnSb films deposited at cryogenic temperature. <i>Scientific Reports</i> , 2021, 11, 16004.	1.6	6
2108	The Magneto-Transport Properties of $\text{Cr}_{1/3}\text{TaS}_2$ with Chiral Magnetic Solitons. <i>Advanced Electronic Materials</i> , 2021, 7, 2100424.	2.6	18
2109	Stable valley-layer coupling and design principle in 2D lattice. <i>Applied Physics Letters</i> , 2021, 119, 073101.	1.5	2
2110	Quantum theory of the nonlinear Hall effect. <i>Nature Communications</i> , 2021, 12, 5038.	5.8	55

#	ARTICLE	IF	CITATIONS
2111	Nonlinear Hall effects. Nature Reviews Physics, 2021, 3, 744-752.	11.9	104
2112	Piezomagnetism of superconducting iron chalcogenides. Physical Review B, 2021, 104, .	1.1	4
2113	Nonlinear power dependence of ferromagnetic resonance in NiFe/Pt/CoFeB trilayer. Journal of Physics Condensed Matter, 2021, 34, .	0.7	0
2114	Floquet anomalous Hall effect in ferromagnetic multiorbital tight-binding models. Journal of Physics Condensed Matter, 2021, 34, .	0.7	0
2115	Design strong anomalous Hall effect via spin canting in antiferromagnetic nodal line materials. Physical Review B, 2021, 104, .	1.1	7
2116	Does filling-dependent band renormalization aid pairing in twisted bilayer graphene?. Npj Quantum Materials, 2021, 6, .	1.8	24
2117	Anomalous Hall effect of facing-target sputtered ferrimagnetic Mn ₄ N epitaxial films with perpendicular magnetic anisotropy. Chinese Physics B, 2022, 31, 047305.	0.7	7
2118	Quantum Lifshitz transitions generated by order from quantum disorder in strongly correlated Rashba spin-orbit-coupled systems. Physical Review A, 2021, 104, .	1.0	1
2119	Large magnon-induced anomalous Nernst conductivity in single-crystal MnBi. Joule, 2021, 5, 3057-3067.	11.7	21
2120	Magnetic proximity effects in topological insulator heterostructures: Implementation and characterization. Physical Review Materials, 2021, 5, .	0.9	8
2121	Topological Magnus responses in two- and three-dimensional systems. Physical Review B, 2021, 104, .	1.1	14
2122	Transition of topological Hall effect for tetragonal Heusler Mn ₂ PtSn thin film. Applied Physics Express, 2021, 14, 103003.	1.1	1
2123	Correlations between structures and magnetic properties, longitudinal and transverse transport behaviors of non-epitaxial Fe ₃ Si/MgO(001) films. Vacuum, 2021, 191, 110325.	1.6	1
2124	Helical versus collinear antiferromagnetic order tuned by magnetic anisotropy in polar and chiral Physical Review Materials, 2021, 5, .	0.9	5
2125	Nematicity Arising from a Chiral Superconducting Ground State in Magic-Angle Twisted Bilayer Graphene under In-Plane Magnetic Fields. Physical Review Letters, 2021, 127, 127001.	2.9	13
2126	Phonon Anomalies Associated with Spin Reorientation in the Kagome Ferromagnet Fe ₃ Sn ₂ . Physica Status Solidi (B): Basic Research, 2022, 259, 2100169.	0.7	4
2127	Atomic origin of room-temperature two-dimensional itinerant ferromagnetism in an oxide-monolayer heterostructure. Applied Materials Today, 2021, 24, 101101.	2.3	3
2128	Crossover behavior in the magnetoresistance of thin flakes of the topological material Physical Review B, 2021, 104, .		

#	ARTICLE	IF	CITATIONS
2129	Stacking-Order Effect on Spin-Orbit Torque, Spin Hall Magnetoresistance, and Magnetic Anisotropy in $\text{Ni}_{81}\text{Mn}_{19}\text{O}_2$ Bilayers. Physical Review Applied, 2021, 16, .	1.5	4
2130	Progress in ferrimagnetic Mn ₄ N films and its heterostructures for spintronics applications. Journal Physics D: Applied Physics, 0, .	1.3	10
2131	Phonon Helicity Induced by Electronic Berry Curvature in Dirac Materials. Physical Review Letters, 2021, 127, 125901.	2.9	12
2132	Strong magneto-optical effect and anomalous transport in the two-dimensional van der Waals magnets Fe_nGeTe_2 ($n=1, 2$). Physical Review Letters, 2021, 126, 127201.	1.7	26
2133	State tomography for magnetization dynamics. Physical Review B, 2021, 104, .	1.1	16
2134	Topological aspects of antiferromagnets. Journal Physics D: Applied Physics, 2022, 55, 103002.	1.3	36
2135	Magnetic skyrmion braids. Nature Communications, 2021, 12, 5316.	5.8	22
2136	Topological magnon insulators in two-dimensional van der Waals ferromagnets CrSiTe_3 and CrGeTe_3 : Toward intrinsic gap-tunability. Science Advances, 2021, 7, eabi7532.	4.7	56
2137	Transport properties of Heusler compounds and alloys. Journal of Physics Condensed Matter, 2022, 34, 013001.	0.7	17
2138	Anisotropic supercurrent due to inhomogeneous magnetization in ferromagnet/superconductor junctions. Physical Review B, 2021, 104, .	1.1	1
2139	Pressure and magnetic field-induced transport effects in $\text{Ni}_{45.4}\text{Mn}_{40}\text{In}_{14.6}$ alloy. Physica Scripta, 0, .	1.2	1
2140	Anisotropic Nodalâ€¦Derived Large Anomalous Hall Conductivity in ZrMnP and HfMnP . Advanced Materials, 2021, 33, 2104126.	11.1	4
2141	Carrier-dependent quadratic scaling of anomalous Hall conductivity in ferromagnetic semiconductor. Results in Physics, 2021, 29, 104686.	2.0	0
2142	Effects of optical lattices on bright solitons in spin-orbit coupled Bose-Einstein condensates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 415, 127665.	0.9	7
2143	Anomalous Hall and Nernst Conductivities in Co_2NbGa : A first principles study. Journal of Magnetism and Magnetic Materials, 2021, 538, 168303.	1.0	6
2144	Unveiling transport properties of Co_2MnSi Heusler epitaxial thin films with ultra-low magnetic damping. Applied Materials Today, 2021, 25, 101174.	2.3	5
2145	Critical behavior and magnetocaloric effect of the ferromagnetic Weyl semimetal candidate Co_2ZrSn single crystals. Journal of Alloys and Compounds, 2021, 886, 161118.	2.8	6
2146	Threshold behaviors of direct and Hall currents in topological spin-Hall effect. Journal of Magnetism and Magnetic Materials, 2022, 541, 168492.	1.0	1

#	ARTICLE	IF	CITATIONS
2147	Non-equilibrium spin polarization in magnetic two-dimensional electron gas with k -linear and k^3 -cubed Dresselhaus spin-orbit interaction. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 135, 114961.	1.3	4
2148	Topological Hall effect. , 2021, , 289-314.		1
2149	Large anomalous Hall angle in a topological semimetal candidate TbPtBi. Applied Physics Letters, 2021, 118, .	1.5	15
2150	Real-time Hall-effect detection of current-induced magnetization dynamics in ferrimagnets. Nature Communications, 2021, 12, 656.	5.8	26
2151	Robust anomalous Hall effect and temperature-driven Lifshitz transition in Weyl semimetal Mn_3Ge . Nanoscale, 2021, 13, 2601-2608.	2.8	17
2152	High spin mixing conductance and spin interface transparency at the interface of a $Co_2Fe_{0.4}Mn_{0.6}Si$ Heusler alloy and Pt. NPG Asia Materials, 2021, 13, .	3.8	18
2153	Field-induced topological Hall effect and double-fan spin structure with a c -axis component in the metallic kagome antiferromagnetic compound YMn_6 . Physical Review B, 2021, 103, .	1.1	67
2154	Quantum frequency doubling in the topological insulator Bi_2Se_3 . Nature Communications, 2021, 12, 698.	5.8	48
2155	Spintronic devices: a promising alternative to CMOS devices. Journal of Computational Electronics, 2021, 20, 805-837.	1.3	98
2156	Nonequilibrium theory of the photoinduced valley Hall effect. Physical Review B, 2021, 103, .	1.1	8
2157	Phenomenological Model of Nonlinear Optical Properties of a Topological Medium. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2021, 129, 110-115.	0.2	2
2158	Anomalous transport due to Weyl fermions in the chiral antiferromagnets Mn_3X , $X=Sn, Ge$. Nature Communications, 2021, 12, 572.	5.8	90
2159	Quantum transport in topological matters under magnetic fields. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 027201.	0.2	2
2160	Magnetization Switching by Spin-Orbit Torque in 10_0 -FePt and Ta/FePt Films With Large Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2022, 58, 1-4.	1.2	2
2161	Anomalous Exciton Hall Effect. Physical Review Letters, 2021, 126, 036801.	2.9	10
2162	Physical problems and experimental progress in layered magnetic topological materials. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 127302.	0.2	3
2163	The sign reversal of anomalous Hall effect derived from the transformation of scattering effect in cluster-assembled $Ni_{0.8}Fe_{0.2}$ nanostructural films. Nanoscale, 2021, 13, 11817-11826.	2.8	10
2164	Strain Tunable Berry Curvature Dipole, Orbital Magnetization and Nonlinear Hall Effect in WSe_2 Monolayer*. Chinese Physics Letters, 2021, 38, 017301.	1.3	44

#	ARTICLE	IF	CITATIONS
2165	Quantum Nanophotonics in Two-Dimensional Materials. ACS Photonics, 2021, 8, 85-101.	3.2	83
2166	Tunable magneto-optical effect, anomalous Hall effect, and anomalous Nernst effect in the two-dimensional room-temperature ferromagnet $\text{Co}_2\text{V}_2\text{O}_7$. Physical Review B, 2021, 103, .	1.1	22
2168	Electrical Detection and Magnetic Imaging of Stabilized Magnetic Skyrmions in $\text{Fe}_3\text{Co}(\text{Ge})_{1-x}\text{Ge}_x$ (x ≤ 0.1) Microplates. Advanced Functional Materials, 2019, 29, 1805418.	7.8	19
2169	Subwavelength Passive Optical Isolators Using Photonic Structures Based on Weyl Semimetals. Advanced Optical Materials, 2020, 8, 2000100.	3.6	79
2170	A Review of Magnetic Phenomena in Probe-Brane Holographic Matter. Lecture Notes in Physics, 2013, , 591-624.	0.3	11
2171	Quantum Hall effect induced by electron-phonon interaction. Annals of Physics, 2020, 418, 168199.	1.0	3
2172	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
2174	Spontaneous breaking of rotational symmetry in copper oxide superconductors. Nature, 2017, 547, 432-435.	13.7	112
2175	Concurrence of quantum anomalous Hall and topological Hall effects in magnetic topological insulator sandwich heterostructures. Nature Materials, 2020, 19, 732-737.	13.3	72
2176	Anomalous transverse resistance in 122-type iron-based superconductors. Scientific Reports, 2019, 9, 664.	1.6	5
2177	Disorder dependent spin-orbit torques in L10 FePt single layer. Applied Physics Letters, 2020, 117, 242403.	1.5	15
2178	Travelling to exotic places with cavity QED systems. Physica Scripta, 2010, T140, 014025.	1.2	2
2179	Effect of seed and interlayer Pt thickness on spin-orbit torque efficiency in Co/Pt multilayer with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2020, 53, 505002.	1.3	2
2180	Unconventional critical behaviors at the magnetic phase transition of $\text{Co}_3\text{Sn}_2\text{S}_2$ Kagomé ferromagnet. Journal of Physics Condensed Matter, 2021, 33, 015801.	0.7	13
2181	Anomalous Hall transport in tilted multi-Weyl semimetals. Journal of Physics Condensed Matter, 2021, 33, 045602.	0.7	13
2182	Evolution of diverse Hall effects during the successive magnetic phase transitions in $\text{Mn}_2.5\text{Fe}_0.6\text{Sn}_0.9$ Kagome-lattice alloy. Journal of Physics Condensed Matter, 2021, 33, 115803.	0.7	2
2183	Spin Nernst effect in a p-band semimetal InBi. New Journal of Physics, 2020, 22, 093003.	1.2	10
2184	Systematic first-principles study of the on-site spin-orbit coupling in crystals. Physical Review B, 2020, 102, .	1.1	6

#	ARTICLE	IF	CITATIONS
2185	<p> $S < \substack{2} >$: Magnetic and magnetotransport properties at ambient pressure and ferro- to antiferromagnetic transition under pressure. Physical Review B, 2020, 102, . </p>	1.1	8
2186	<p> Enhancement of the transverse thermoelectric conductivity originating from stationary points in nodal lines. Physical Review B, 2020, 102, . </p>	1.1	23
2187	<p> Spin Nernst and anomalous Nernst effects and their signature outputs in ferromagnet/nonmagnet heterostructures. Physical Review B, 2020, 102, . </p>	1.1	12
2188	<p> Second-order nonlinear Hall effect in Weyl semimetals. Physical Review B, 2020, 102, . </p>	1.1	18
2189	<p> Evolution of possible Weyl semimetal states across the Mott transition in pyrochlore iridates induced by hole doping. Physical Review B, 2020, 102, . </p>	1.1	6
2190	<p> Berry connection induced anomalous wave-packet dynamics in non-Hermitian systems. Physical Review B, 2020, 102, . </p>	1.1	18
2191	<p> Stabilizing the spin vortex crystal phase in two-dimensional iron-based superconductors. Physical Review B, 2017, 95, . </p>	1.1	20
2192	<p> Quantum transport in Weyl semimetal thin films in the presence of spin-orbit coupled impurities. Physical Review B, 2017, 96, . </p>	1.1	16
2193	<p> Coupling of magnetic order and charge transport in the candidate Dirac semimetal EuCd_2As_2. Physical Review B, 2018, 97, . </p>	1.1	17
2194	<p> Ising universality in the two-dimensional Blume-Capel model with quenched random crystal field. Physical Review E, 2020, 102, 062138. </p>	0.8	10
2195	<p> Anomalous Temperature Dependence of Quantum Correction to the Conductivity of Magnetic Topological Insulators. Physical Review Letters, 2020, 124, 206603. </p>	2.9	3
2196	<p> Independence of the Inverse Spin Hall Effect with the Magnetic Phase in Thin NiCu Films. Physical Review Letters, 2020, 125, 267204. </p>	2.9	9
2197	<p> Electron transport in heavily doped GdN. Physical Review Materials, 2018, 2, . </p>	0.9	6
2198	<p> Growth, electrical, structural, and magnetic properties of half-Heusler $\text{CoT}_i\text{Sb}_{1-i}$. Physical Review Materials, 2018, 2, . </p>	0.9	8
2199	<p> Role of La doping for topological Hall effect in epitaxial EuO films. Physical Review Materials, 2018, 2, . </p>	0.9	14
2200	<p> Magnetic and transport properties of equiatomic quaternary Heusler CoFeVSi epitaxial films. Physical Review Materials, 2018, 2, . </p>	0.9	17
2201	<p> Interfacial contributions to anomalous Hall effect in perpendicular magnetic anisotropic MnSi multilayer. Physical Review Materials, 2018, 2, . </p>	0.9	4
2202	<p> Topological Hall effect in thin films of Mn_2Sb. Physical Review Materials, 2019, 3, . </p>	1.1	15

#	ARTICLE	IF	CITATIONS
2203	Discovering two-dimensional topological insulators from high-throughput computations. Physical Review Materials, 2019, 3, .	0.9	60
2204	Anomalous Hall conductivity of noncollinear magnetic antiperovskites. Physical Review Materials, 2019, 3, .	0.9	50
2205	Extrinsic-intrinsic crossover of the spin Hall effect induced by alloying. Physical Review Materials, 2019, 3, .	0.9	13
2206	Itinerant ferromagnetism in rocksalt NdO epitaxial thin films. Physical Review Materials, 2019, 3, .	0.9	10
2207	Anomalous Hall effect in noncollinear antiferromagnetic thin films. Physical Review Materials, 2019, 3, .	0.9	41
2208	Physical properties and thermal stability of Fe_5GeTe_2 single crystals. Physical Review Materials, 2019, 3, .	0.9	11
2209	Imaging uncompensated moments and exchange-biased emergent ferromagnetism in FeRh thin films. Physical Review Materials, 2019, 3, .	0.9	14
2210	Giant anomalous Nernst effect in the magnetic Weyl semimetal Co_3S_2 . Physical Review Materials, 2020, 4, .	0.9	68
2211	Giant anomalous Nernst effect in noncollinear antiferromagnetic Mn-based antiperovskite nitrides. Physical Review Materials, 2020, 4, .	0.9	24
2212	Antiferromagnetic metallic state as proved by magnetotransport in epitaxially stabilized perovskite PbRuO_3 . Physical Review Materials, 2020, 4, .	0.9	8
2213	Pressure effect on the anomalous Hall effect of ferromagnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Physical Review Materials, 2020, 4, .	0.9	12
2214	Validity of magnetotransport detection of skyrmions in epitaxial SrRuO_3 heterostructures. Physical Review Materials, 2020, 4, .	0.9	19
2215	Ferromagnetism in van der Waals compound MnS . Physical Review Materials, 2020, 4, .	0.9	21
2216	Anomalous Hall and Nernst effects in epitaxial films of topological kagome magnet Fe_3Sn_2 . Physical Review Materials, 2020, 4, .	0.9	20
2217	Inhomogeneous ferromagnetism mimics signatures of the topological Hall effect in SrRuO_3 films. Physical Review Materials, 2020, 4, .	0.9	26
2218	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
2219	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi_2 . Physical Review Materials, 2020, 4, .	1.3	204
2220	Two-dimensional magnetic semiconductors with room Curie temperatures. Physical Review Research, 2020, 2, .	1.3	41

#	ARTICLE	IF	CITATIONS
2221	Dimension transcendence and anomalous charge transport in magnets with moving multiple- Q spin textures. Physical Review Research, 2020, 2, .	1.3	12
2222	Anomalous Hall effect at the spontaneously electron-doped polar surface of $PdCoO_2$ ultrathin films. Physical Review Research, 2020, 2, .	1.3	20
2223	Topological Hall signatures of magnetic hopfions. Physical Review Research, 2020, 2, .	1.3	32
2224	Berry curvature engineering by gating two-dimensional antiferromagnets. Physical Review Research, 2020, 2, .	1.3	22
2225	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet $CoVO_3$. Physical Review Research, 2020, 2, .	1.3	36
2226	Origin of the magnetic spin Hall effect: Spin current vorticity in the Fermi sea. Physical Review Research, 2020, 2, .	1.3	38
2227	Berry phase engineering at oxide interfaces. Physical Review Research, 2020, 2, .	1.3	64
2228	Anomalous hydrodynamic transport in interacting noncentrosymmetric metals. Physical Review Research, 2020, 2, .	1.3	21
2229	Robust skyrmion-bubble textures in $SrRuO_3$ thin films stabilized by magnetic anisotropy. Physical Review Research, 2020, 2, .	1.3	18
2230	Magnetization-dependent spin Hall effect in a perpendicular magnetized film. Physical Review Research, 2020, 2, .	1.3	12
2231	Fundamental relations for anomalous thermoelectric transport coefficients in the nonlinear regime. Physical Review Research, 2020, 2, .	1.3	29
2232	Microscopic origin of the anomalous Hall effect in noncollinear kagome magnets. Physical Review Research, 2020, 2, .	1.3	17
2233	Phonon dynamics in the Kitaev spin liquid. Physical Review Research, 2020, 2, .	1.3	39
2234	Theory of current-induced angular momentum transfer dynamics in spin-orbit coupled systems. Physical Review Research, 2020, 2, .	1.3	65
2235	Nonlinear electric transport in odd-parity magnetic multipole systems: Application to Mn-based compounds. Physical Review Research, 2020, 2, .	1.3	36
2236	Anomalous Hall effect triggered by pressure-induced magnetic phase transition in In_2Mn . Physical Review Research, 2020, 2, .	1.3	16
2237	Pressure controlled trimerization for switching of anomalous Hall effect in triangular antiferromagnet Mn_3Sn . Physical Review Research, 2020, 2, .	1.3	11
2238	Anomalous Hall effect in antiferromagnetic/nonmagnetic interfaces. Physical Review Research, 2020, 2, .	1.3	4

#	ARTICLE	IF	CITATIONS
2239	Spin-orbit Coupling and Topological Phases for Ultracold Atoms. , 2018, , 1-87.		12
2240	Distinguishing the inverse spin Hall effect photocurrent of electrons and holes by comparing to the classical Hall effect. Optics Express, 2020, 28, 8331.	1.7	1
2243	Light-field and spin-orbit-driven currents in van der Waals materials. Nanophotonics, 2020, 9, 2693-2708.	2.9	16
2244	Spin Liquid versus Spin Orbit Coupling on the Triangular Lattice. SciPost Physics, 2018, 4, .	1.5	43
2247	Recent Advances in Two-Dimensional Magnets: Physics and Devices towards Spintronic Applications. Research, 2020, 2020, 1768918.	2.8	58
2248	Berry Approach to Intrinsic Anomalous Hall Conductivity in Dilute Magnetic Semiconductors (Ga _{1-x} Mn _x As). World Journal of Condensed Matter Physics, 2015, 05, 179-186.	1.1	2
2249	Anomalous Nernst Effects of [CoSiB/Pt] Multilayer Films. Journal of Magnetism, 2013, 18, 225-229.	0.2	6
2250	Topological phonons and phonon Hall effects. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 226601.	0.2	4
2251	Overview and outlook of magnetic skyrmions. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 131201.	0.2	7
2252	Topological properties and orbital magnetism in twisted graphene systems. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 147301.	0.2	10
2253	Emergent inductor by spiral magnets. Japanese Journal of Applied Physics, 2019, 58, 120909.	0.8	44
2254	A new photorefectance signal possibly due to midgap interface states in buried F-doped SnO ₂ /TiO ₂ junctions. Japanese Journal of Applied Physics, 2020, 59, SCCB23.	0.8	3
2255	Spin Hall Effect in Superconductors. Japanese Journal of Applied Physics, 2012, 51, 010110.	0.8	18
2256	Novel Electronic Phases of Matter: Coupling to Itinerant Electrons. Springer Series in Solid-state Sciences, 2021, , 363-397.	0.3	0
2257	Fundamentals of Electron Transport. Springer Theses, 2021, , 41-70.	0.0	0
2258	Spontaneous helielectric nematic liquid crystals: Electric analog to helimagnets. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	51
2259	Sign-tunable anomalous Hall effect induced by two-dimensional symmetry-protected nodal structures in ferromagnetic perovskite thin films. Nature Materials, 2021, 20, 1643-1649.	13.3	36
2260	Scaling of the anomalous Hall effect in perpendicularly magnetized epitaxial films of the ferrimagnet Ni_4Co . Physical Review B, 2021, 104, .		

#	ARTICLE	IF	CITATIONS
2261	Unraveling the role of magnetic anisotropy on the thermoelectric response: a theoretical and experimental approach. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 025001.	1.3	3
2262	Three-dimensional sensing of the magnetic-field vector by a compact planar-type Hall device. <i>Communications Materials</i> , 2021, 2, .	2.9	8
2263	Transition metal nitrides and their mixed crystals for spintronics. <i>Nanotechnology</i> , 2022, 33, 062001.	1.3	9
2264	Enhancement of Spin-Charge Conversion in Dilute Magnetic Alloys by Kondo Screening. <i>Physical Review Letters</i> , 2021, 127, 176801.	2.9	2
2265	Observation of structural distortion and topological Hall effect in noncollinear antiferromagnetic hexagonal Mn ₃ Ga magnets. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	7
2266	Metal Organic Spin Transistor. <i>Nano Letters</i> , 2021, 21, 8657-8663.	4.5	12
2267	The chiral anomalous Hall effect at high magnetic fields in Au-Fe alloys. <i>Philosophical Magazine</i> , 0, , 1-13.	0.7	0
2268	Temperature dependence of intrinsic and extrinsic contributions to anisotropic magnetoresistance. <i>Scientific Reports</i> , 2021, 11, 20884.	1.6	10
2269	Near room-temperature ferromagnetism in air-stable two-dimensional Cr _{1-x} Te grown by chemical vapor deposition. <i>Nano Research</i> , 2022, 15, 3763-3769.	5.8	8
2270	Energetic Couplings in Ferroics. <i>Advanced Electronic Materials</i> , 2022, 8, 2100639.	2.6	3
2271	Charge density waves in multiple- Q spin states. <i>Physical Review B</i> , 2021, 104, .	1.1	14
2272	Spin polarization and magnetotransport properties of systematically disordered $\text{Mn}_{1-x}\text{Fe}_x$ thin films. <i>Physical Review B</i> , 2021, 104, .		
2273	Linear magnetoconductivity in magnetic metals. <i>Physical Review B</i> , 2021, 104, .	1.1	5
2274	Magneto-optical spectroscopy on Weyl nodes for anomalous and topological Hall effects in chiral MnGe. <i>Nature Communications</i> , 2021, 12, 5974.	5.8	13
2275	The electrical- and magneto-transport properties of Rb-, Sn-, and Co-doped BiCuSeO crystals. <i>AIP Advances</i> , 2021, 11, 105207.	0.6	2
2276	Spin Current Transport in Hybrid Pt/Multifunctional Magnetoelectric $\text{Ga}_{0.6}\text{Fe}_{1.4}\text{O}_3$ Bilayers. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4433-4440.	2.0	4
2277	Multi-band selective acoustic valley transport through band separation of topological interface states. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 045301.	1.3	3
2278	Resonant nonlinear Hall effect in two-dimensional electron systems. <i>Physical Review B</i> , 2021, 104, .	1.1	1

#	ARTICLE	IF	CITATIONS
2279	Enhanced anomalous Nernst effects in ferromagnetic materials driven by Weyl nodes. Journal Physics D: Applied Physics, 2022, 55, 074003.	1.3	6
2280	Strong optical non-reciprocity in one-dimensional photonic crystal containing a Weyl semimetal-based defect. Optical Materials, 2021, 121, 111583.	1.7	19
2281	Magnetic field-induced non-trivial electronic topology in Fe ₃ GeTe ₂ . Applied Physics Reviews, 2021, 8, .	5.5	14
2282	Observation of Skyrmion Lattice by Lorentz Transmission Electron Microscopy. Nihon Kessho Gakkaishi, 2011, 53, 274-279.	0.0	0
2283	Ferromagnetic Cobalt Nanostructures Grown by Focused Electron Beam Induced Deposition. Springer Theses, 2014, , 45-70.	0.0	0
2285	3D Skyrmion-Lattice and Topological Hall Effect in MnGe. Springer Theses, 2015, , 45-60.	0.0	0
2286	Magnetic and Transport Properties in B20-type Germanides. Springer Theses, 2015, , 29-44.	0.0	0
2288	«Bottom up» nanoelectronics: the hall effects, measurement of electrochemical potentials and spin transport in the NEGF model. ScienceRise, 2015, 10, 35.	0.1	3
2289	What is a Weyl Semimetal. Hyomen Kagaku, 2016, 37, 625-630.	0.0	0
2290	Chapter 6 Epitaxial Thin Films of the Cubic B20 Chiral Magnets. Series in Materials Science and Engineering, 2016, , 145-172.	0.1	0
2291	Generalized Hund's Rule for Two-Atom Systems. Springer Theses, 2017, , 83-107.	0.0	0
2292	Magnetotransport and Spin Effects. Nanoscience and Technology, 2017, , 151-199.	1.5	0
2293	How to detect Berry phase in graphene without magnetic field?. , 2017, , .		0
2294	Anomalies in magneto-transport in spin-orbit coupled systems. , 2018, , .		0
2295	Detection of the anomalous velocity and anomalous Hall effect in GaAs via free-space THz spectroscopy. , 2018, , .		0
2296	Interplay between Carrier Polarization, Spin-Orbit Coupling and Exchange Field on Anomalous Hall Conductivity in the Presence of Magnetic Impurity in Mn Doped GaAs. World Journal of Condensed Matter Physics, 2019, 09, 75-90.	1.1	0
2298	Temperature dependence of the ferromagnetic response in Cr _x Sb _{2-x} Te ₃ topological insulator thin films investigated using terahertz spectroscopy and magneto-transport.. , 2019, , .		0
2299	Microscopic transport model for impurity scattering in two-dimensional novel a-T3 materials. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
2300	Novel Materials for Quantum Spintronics Phenomena. Journal of the Institute of Electrical Engineers of Japan, 2019, 139, 601-606.	0.0	0
2301	Tunable Berry curvature, valley and spin Hall effect in Bilayer MoS ₂ . , 2019, , .		1
2303	Anomalous Hall effect in Cu doped Bi ₂ Te ₃ topological insulator. Journal of Physics Condensed Matter, 2020, 32, 305602.	0.7	5
2304	Spontaneous thermal Hall conductance in superconductors with broken time-reversal symmetry. Physical Review Research, 2020, 2, .	1.3	2
2305	Fe ₃ Se ₄ : a possible ferrimagnetic half-metal?. Journal of Physics Condensed Matter, 2020, 32, 455801.	0.7	3
2306	Nonlinear Topological Effects in Optical Coupled Hexagonal Lattice. Entropy, 2021, 23, 1404.	1.1	0
2307	Spin fluctuations yield zT enhancement in ferromagnets. IScience, 2021, 24, 103356.	1.9	11
2308	Magnetic Bloch-point hopping in multilayer skyrmions and associated emergent electromagnetic signatures. Physical Review B, 2021, 104, .	1.1	5
2309	Giant Topological Hall Effect in the Noncollinear Phase of Two-Dimensional Antiferromagnetic Topological Insulator MnBi ₄ Te ₇ . Chemistry of Materials, 2021, 33, 8343-8350.	3.2	13
2310	Sign reversal of magnetoresistivity in massive nodal-line semimetals due to the Lifshitz transition of the Fermi surface. Physical Review B, 2021, 104, .	1.1	4
2311	Magnetoelastic coupling enabled tunability of magnon spin current generation in two-dimensional antiferromagnets. Physical Review B, 2021, 104, .	1.1	13
2312	Coherent control in ferromagnets driven by microwave radiation and spin polarized current. Physical Review B, 2020, 102, .	1.1	2
2313	High laser harmonics induced by the Berry curvature in time-reversal invariant materials. Physical Review B, 2020, 102, .	1.1	6
2314	Anomalous Nernst-Ettingshausen effect in diluted magnetic semiconductors. Journal of Physics: Conference Series, 2020, 1695, 012145.	0.3	2
2315	THz-range Faraday rotation in the Weyl semimetal candidate Co ₂ TiGe. Journal of Applied Physics, 2020, 128, .	1.1	4
2316	Dissipative Berry phase effect in quantum tunneling. Physical Review B, 2020, 102, .	1.1	0
2317	Topological Hall effect in the Shastry-Sutherland lattice. Physical Review B, 2020, 102, .	1.1	3
2318	Distinct Quantum Anomalous Hall Ground States Induced by Magnetic Disorders. Physical Review X, 2020, 10, .	2.8	10

#	ARTICLE	IF	CITATIONS
2319	Multifunctional oxides for topological magnetic textures by design. Journal Physics D: Applied Physics, 2021, 54, 093001.	1.3	3
2320	Quantum Hall Physics in Magnetic Topological Insulators. Springer Theses, 2020, , 29-45.	0.0	0
2321	Comparative analysis of semiconductor-metal phase transition mechanisms in vanadium oxides (V ₂ O ₃) Tj ETQq0 0.0 r gBT /Oyerlock 10	0.2	2
2322	Magnetic properties of layered chiral topological magnetic material Cr _{1/3} NbS ₂ . Wuli Xuebao/Acta Physica Sinica, 2020, 69, 117501.	0.2	1
2323	Hall effect evidence for an interplay between electronic correlations and Na order induced electronic bands topology in Na _x CoO ₂ . Physical Review Materials, 2020, 4, .	0.9	2
2324	Topological Magnets: Functions Based on Berry Phase and Multipoles. Annual Review of Condensed Matter Physics, 2022, 13, 119-142.	5.2	31
2325	Strain-gated nonlinear Hall effect in two-dimensional $\text{MoSe}_2/\text{m}^2/\text{m}^2/\text{m}^2$ van der Waals heterostructure. Physical Review B, 2021, 104, .		
2326	Discrete quantum geometry and intrinsic spin Hall effect. Physical Review B, 2021, 104, .	1.1	1
2327	Transverse thermal energy conversion using spin and topological structures. Journal of Applied Physics, 2021, 130, 171101.	1.1	9
2328	Giant magnetoresistance and topological Hall effect in the EuGa ₄ antiferromagnet. Journal of Physics Condensed Matter, 2022, 34, 034005.	0.7	14
2329	Dynamical piezomagnetic effect in time-reversal-invariant Weyl semimetals with axionic charge density waves. Physical Review B, 2021, 104, .	1.1	7
2330	Quantum Internal Structure of Plasmons. Physical Review Letters, 2021, 127, 196403.	2.9	1
2331	Coherent-incoherent crossover of the intrinsic spin Hall effect in Pd. Physical Review B, 2021, 104, .	1.1	4
2332	Anomalous Hall effect from gapped nodal line in the $\text{Co}_2\text{Mn}_2\text{O}_7$ Heusler compound. Physical Review B, 2021, 104, .		
2333	Spin-sensitive atom scattering via spin-orbit interaction. European Physical Journal D, 2020, 74, 1.	0.6	0
2334	Sublattice magnetization driven anomalous Hall resistance of FeCoGd amorphous films. AIP Advances, 2020, 10, .	0.6	5
2335	Planar Hall effect caused by the memory of antiferromagnetic domain walls in Mn ₃ Ge. Applied Physics Letters, 2020, 117, .	1.5	7
2336	Magnon field induced reconstruction of electronic structure in $\text{Sr}_3\text{Ru}_2\text{O}_7$ nanosheets. Physical Review B, 2020, 102, .	1.1	0

#	ARTICLE	IF	CITATIONS
2338	Engineering photonic environments for two-dimensional materials. <i>Nanophotonics</i> , 2021, 10, 1031-1058.	2.9	14
2339	Electrical characterization of magnetic domain wall via distinctive hysteresis and magnetoresistance. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 546, 168776.	1.0	4
2340	Tunable Two-Channel Magnetotransport in SrRuO ₃ Ultrathin Films Achieved by Controlling the Kinetics of Heterostructure Deposition. <i>Advanced Electronic Materials</i> , 2022, 8, 2100804.	2.6	3
2341	Investigation of spin gapless semiconducting behaviour in quaternary CoFeMnSi Heusler alloy thin films on Si (1 0 0). <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 547, 168837.	1.0	9
2342	Spin accumulation in metallic thin films induced by electronic impurity scattering. <i>Physical Review B</i> , 2021, 104, .	1.1	1
2343	Giant topological Hall effect in centrosymmetric tetragonal $\text{Mn}_2\text{V}_2\text{O}_7$. <i>Physical Review B</i> , 2021, 104, .	1.1	1
2345	Valley and spin accumulation in ballistic and hydrodynamic channels. <i>2D Materials</i> , 2022, 9, 015027.	2.0	7
2346	Controllable spin current in van der Waals ferromagnet Mn_3Sn . <i>Physical Review Research</i> , 2021, 3, .	1.3	3
2347	Pressure tuning of the anomalous Hall effect in the kagome superconductor CsV ₃ Sb ₅ . <i>Chinese Physics B</i> , 2021, 34, .	0.7	8
2348	Spin Hall effect in noncollinear kagome antiferromagnets. <i>Physical Review B</i> , 2021, 104, .	1.1	9
2350	Giant anomalous Nernst signal in the antiferromagnet YbMnBi ₂ . <i>Nature Materials</i> , 2022, 21, 203-209.	13.3	72
2351	Galvanomagnetic and thermomagnetic phenomena in thin metal CoPt films. <i>Physics-Uspekhi</i> , 2023, 66, 312-319.	0.8	0
2352	Observation of large intrinsic anomalous Hall conductivity in polycrystalline Mn ₃ Sn films. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110489.	1.9	6
2353	Hopfield neural network in magnetic textures with intrinsic Hebbian learning. <i>Physical Review B</i> , 2021, 104, .	1.1	6
2354	Emergence of spin-orbit coupled ferromagnetic surface state derived from Zak phase in a nonmagnetic insulator FeSi. <i>Science Advances</i> , 2021, 7, eabj0498.	4.7	10
2355	Reliability of spin-to-charge conversion measurements in graphene-based lateral spin valves. <i>2D Materials</i> , 2022, 9, 015024.	2.0	12
2356	Manipulation of crystalline structure, magnetic performance, and topological feature in Mn ₃ Ge films. <i>APL Materials</i> , 2021, 9, .	2.2	4
2357	Searching for a promising topological Dirac nodal-line semimetal by angle resolved photoemission spectroscopy. <i>New Journal of Physics</i> , 2021, 23, 123026.	1.2	5

#	ARTICLE	IF	CITATIONS
2358	Conformal Growth of Cr ₂ Te ₃ on Bi ₂ Te ₃ Nanodots with a Topological Hall Effect. Crystal Growth and Design, 0, , .	1.4	3
2359	3D quantum Hall effects and nonlinear Hall effect. Npj Quantum Materials, 2021, 6, .	1.8	7
2360	Quasinodal lines in rhombohedral magnetic materials. Physical Review B, 2021, 104, .	1.1	3
2361	Giant Magneto-Transport Properties Induced by Spin Fluctuations in MnGe. Springer Theses, 2021, , 53-76.	0.0	0
2362	Magnetotransport. , 2021, , 435-475.		1
2364	Topological Transport Properties of Magnetic Weyl Semimetal Co ₃ Sn ₂ S ₂ Thin Flake. Springer Theses, 2021, , 77-89.	0.0	0
2365	Dilute Magnetic Materials. , 2021, , 923-978.		0
2366	Intrinsic and Extrinsic Anomalous Hall Effects in Disordered Magnetic Weyl Semimetal. Journal of the Physical Society of Japan, 2022, 91, .	0.7	0
2367	Essential model parameters for nonreciprocal magnons in multisublattice systems. Physical Review B, 2022, 105, .	1.1	9
2368	Crystalline Orientation-Dependent Spin Hall Effect in Epitaxial Platinum. Frontiers in Physics, 2022, 9, .	1.0	4
2369	Systematic Analysis Method for Nonlinear Response Tensors. Journal of the Physical Society of Japan, 2022, 91, .	0.7	26
2370	Large anomalous Hall effect in kagomÃ© ferrimagnetic HoMn ₆ Sn ₆ single crystal. Journal of Alloys and Compounds, 2022, 899, 163356.	2.8	10
2371	Electronic Structure: Metals and Insulators. , 2021, , 187-259.		0
2373	Topological Transitions Between Skyrmion- and Hedgehog-Lattice States in MnSi _{1-x} Ge _x . Springer Theses, 2021, , 31-51.	0.0	0
2374	Atomic disorder and Berry phase driven anomalous Hall effect in a $\text{Co}_{1-x}\text{Mn}_x$ Heusler compound. Physical Review B, 2022, 105, .	1.2	19
2375	Magnetotransport and magnetic textures in Ho/FeCoGd/ I^2 -W multilayers. Physical Review B, 2022, 105, .	1.1	3
2376	Direct Observation of Strong Anomalous Hall Effect and Proximity-Induced Ferromagnetic State in SrIrO ₃ . Advanced Materials, 2022, 34, e2109163.	11.1	31
2377	Electric field effect on electron gas spins in two-dimensional magnets with strong spin-orbit coupling. Physical Review B, 2022, 105, .	1.1	0

#	ARTICLE	IF	CITATIONS
2378	Enormous Berry-Curvature-Based Anomalous Hall Effect in Topological Insulator (Bi,Sb) ₂ Te ₃ on Ferrimagnetic Europium Iron Garnet beyond 400 K. ACS Nano, 2022, 16, 2369-2380.	7.3	6
2379	Crystal-induced transverse current in collinear antiferromagnetic $\text{Ir}^3\text{-FeMn}$. Applied Physics Letters, 2022, 120, .	1.5	3
2380	Magneto-Electronic Hydrogen Gas Sensors: A Critical Review. Chemosensors, 2022, 10, 49.	1.8	12
2381	Thickness-Driven Quantum Anomalous Hall Phase Transition in Magnetic Topological Insulator Thin Films. ACS Nano, 2022, 16, 1134-1141.	7.3	4
2382	Kubo Formula for Non-Hermitian Systems and Tachyon Optical Conductivity. Physical Review Letters, 2022, 128, 016802.	2.9	12
2383	Semiclassical response of disordered conductors: Extrinsic carrier velocity and spin and field-corrected collision integral. Physical Review Research, 2022, 4, .	1.3	12
2384	No observation of chiral flux current in the topological kagome metal CsV_3Sb_5 . Physical Review B, 2022, 105, .	1.1	36
2385	Observation of the crossover between metallic and insulating regimes of the spin Hall effect. Communications Physics, 2022, 5, .	2.0	7
2386	Berry connection polarizability tensor and third-order Hall effect. Physical Review B, 2022, 105, .	1.1	26
2387	Nonlinear magnetoresistivity in two-dimensional systems induced by Berry curvature. Physical Review B, 2022, 105, .	1.1	9
2388	Soft-Magnetic Skyrmions Induced by Surface-State Coupling in an Intrinsic Ferromagnetic Topological Insulator Sandwich Structure. Nano Letters, 2022, 22, 881-887.	4.5	7
2389	Valley-exchange coupling probed by angle-resolved photoluminescence. Nanoscale Horizons, 2021, 7, 77-84.	4.1	5
2390	Large anomalous Nernst effect and nodal plane in an iron-based kagome ferromagnet. Science Advances, 2022, 8, eabk1480.	4.7	35
2391	Spatial aspects of spin polarization of structurally split surface states in thin films with magnetic exchange and spin-orbit interaction. New Journal of Physics, 2022, 24, 013021.	1.2	0
2392	Self-Doping and the Mott-Kondo Scenario for Infinite-Layer Nickelate Superconductors. Frontiers in Physics, 2022, 9, .	1.0	13
2393	The flow of the Berry curvature vector field. Scientific Reports, 2022, 12, 97.	1.6	3
2394	Intrinsic topological magnons in arrays of magnetic dipoles. Scientific Reports, 2022, 12, 1420.	1.6	8
2395	Intrinsic spin Hall conductivity plateau in topological semimetals with triply degenerate points. Physica B: Condensed Matter, 2022, 629, 413626.	1.3	0

#	ARTICLE	IF	CITATIONS
2396	Anomalous Hall effect and anisotropic magnetoresistance of molecular beam epitaxy grown Cr ₂ Te ₃ thin films. Journal of Crystal Growth, 2022, 582, 126541.	0.7	3
2397	The effects of substrate temperature on the magnetic and magnetotransport properties of Cr ₁ -Te epitaxial films. Journal of Magnetism and Magnetic Materials, 2022, 550, 169084.	1.0	3
2398	Strong anisotropic Hall effect in single-crystalline CeMn_2Ge_2 with helical spin order. Physical Review B, 2022, 105, .	1.1	6
2399	Basic formulation and first-principles implementation of nonlinear magneto-optical effects. Physical Review B, 2022, 105, .	1.1	12
2400	The influence of orbital moments in anomalous Hall effect in Co/Ni multilayers with perpendicular magnetic anisotropy. AIP Advances, 2022, 12, 025316.	0.6	1
2401	First-principles study of magnetic states and the anomalous Hall conductivity of $\text{M}_x\text{Nb}_{1-x}\text{S}_6$		

#	ARTICLE	IF	CITATIONS
2414	Self-consistent analysis of doping effect for magnetic ordering in stacked-kagome Weyl system. Physical Review Materials, 2022, 6, . Magnetic ground states of a model for M_{NbS_6}	0.9	5
2415	M_{NbS_6}		

#	ARTICLE	IF	CITATIONS
2432	Spatial coexistence of multiple modes in a nanogap spin Hall nano-oscillator with extended Pt/Ni/Fe trilayers. <i>Physical Review B</i> , 2022, 105, .	1.1	5
2433	Progress and prospects in magnetic topological materials. <i>Nature</i> , 2022, 603, 41-51.	13.7	133
2434	Large anomalous Hall effect induced by weak ferromagnetism in the noncentrosymmetric antiferromagnet CoNb_3S_6 . <i>Physical Review B</i> , 2022, 105, .	1.1	16
2435	Investigation of transition metal-doped zinc oxide for spintronics. , 2022, , .		0
2436	Exchange-biased topological transverse thermoelectric effects in a Kagome ferrimagnet. <i>Nature Communications</i> , 2022, 13, 1091.	5.8	21
2437	Hall Effect Study of the Metamagnetic Transition in the $\text{Sr}_4(\text{Ru}_{0.99}\text{Fe}_{0.01})_3\text{O}_{10}$ Nanosheet. <i>Frontiers in Materials</i> , 2022, 9, .	1.2	0
2438	Origin of transverse voltages generated by thermal gradients and electric fields in ferrimagnetic-insulator/heavy-metal bilayers. <i>Physical Review B</i> , 2022, 105, .	1.1	3
2439	Helicity locking of a square skyrmion crystal in a centrosymmetric lattice system without vertical mirror symmetry. <i>Physical Review B</i> , 2022, 105, .	1.1	18
2440	Fe(001) angle-resolved photoemission and intrinsic anomalous Hall conductivity in Fe seen by different <i>ab initio</i> approaches: LDA and GGA versus $\langle \mathbf{GW} \rangle$. <i>Physical Review B</i> , 2022, 105, .	1.1	5
2441	Understanding Signatures of Emergent Magnetism in Topological Insulator/Ferrite Bilayers. <i>Physical Review Letters</i> , 2022, 128, 126802.	2.9	9
2442	Visualizing the out-of-plane electronic dispersions in an intercalated transition metal dichalcogenide. <i>Physical Review B</i> , 2022, 105, .	1.1	9
2443	Anomalous Hall effect in a compensated ferrimagnet: Symmetry analysis for $\text{Mn}_2\text{CoAlPd}_2$. <i>Physical Review Research</i> , 2022, 4, .	1.5	2
2444	Improvement of the detectivity in an Fe ²⁺ /Sn magnetic-field sensor with a large current injection. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SC1069.	0.8	1
2445	Anomalous Hall antiferromagnets. <i>Nature Reviews Materials</i> , 2022, 7, 482-496.	23.3	93
2446	Voltage-Controlled Switching of Magnetic Anisotropy in Ambipolar $\text{Mn}_2\text{CoAlPd}_2$ Bilayers. <i>Physical Review Applied</i> , 2022, 17, .	1.5	2
2447	Effect of residual strain on magnetic properties and Hall effect in chiral antiferromagnet Mn_3Sn . <i>Journal Physics D: Applied Physics</i> , 2022, 55, 275001.	1.3	6
2448	The effect of high pressure on the electrical and transport properties of the InSb-MnSb magnetic eutectic composition. <i>AIP Advances</i> , 2022, 12, 035330.	0.6	0
2449	Magnetic-field and temperature dependence of anomalous Hall effect in Pt/Cr ₂ O ₃ /Pt trilayer. <i>AIP Advances</i> , 2022, 12, .	0.6	5

#	ARTICLE	IF	CITATIONS
2450	CoFeVSb: A promising candidate for spin valve and thermoelectric applications. <i>Physical Review B</i> , 2022, 105, .	1.1	17
2451	Challenges in identifying chiral spin textures via the topological Hall effect. <i>Communications Materials</i> , 2022, 3, .	2.9	32
2452	Magneto-transport properties of perpendicular magnetization CoPt/VO ₂ bilayer films grown on glass substrate. <i>Surface and Coatings Technology</i> , 2022, 436, 128312.	2.2	3
2453	Giant anomalous Hall and anomalous Nernst conductivities in antiperovskites and their tunability via magnetic fields. <i>Physical Review Materials</i> , 2022, 6, .	0.9	8
2454	Anomalous Hall effect superimposed in polycrystalline SrRuO ₃ thick film. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	5
2455	Anomalous Nernst and Seebeck coefficients in epitaxial thin film Co_2Te and Co_2Se . <i>Physical Review B</i> , 2022, 105, .	1.1	10
2456	Composition-Dependent Magnetic Ordering in Freestanding 2D Non-van der Waals $\text{Cr}_2\text{Te}_x\text{Se}_{3-x}$ Crystals. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	7
2457	Heat-bath approach to anomalous thermal transport: Effects of inelastic scattering. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2458	Antiferromagnetic spintronics: An overview and outlook. <i>Fundamental Research</i> , 2022, 2, 522-534.	1.6	39
2459	Orbital selective switching of ferromagnetism in an oxide quasi two-dimensional electron gas. <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	11
2460	Chemical Potential Switching of the Anomalous Hall Effect in an Ultrathin Noncollinear Antiferromagnetic Metal. <i>Advanced Materials</i> , 2022, 34, e2200487.	11.1	7
2461	Large Spin Pumping and Inverse Spin Hall Effect in Ta/Py Bilayer Structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , 2100608.	0.8	1
2462	Surface magnetic anisotropy-mediated spin Hall magnetoresistance and spin Seebeck effects in a YIG/Pt heterostructure. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 551, 169173.	1.0	4
2463	Giant enhancement of Faraday rotation in Weyl semimetal assisted by optical Tamm state. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 437, 128103.	0.9	9
2464	Conserved laws and dynamical structure of axions coupled to photons. <i>International Journal of Modern Physics A</i> , 2021, 36, .	0.5	3
2465	Giant nonlinear Hall effect in twisted bilayer WTe ₂ . <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	22
2466	Manifestation of the Gyrotropy of Topological Media in Nonlinear Optical Processes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2021, 85, 1429-1433.	0.1	0
2467	Topological fluctuating electron-hole Cooper pairs in graphene-GaAs heterostructures. <i>Physical Review B</i> , 2021, 104, .	1.1	1

#	ARTICLE	IF	CITATIONS
2468	Enhancement of phonon skew scattering in epitaxial Pt/Co/Pt trilayers by crystal engineering. Physical Review B, 2021, 104, .	1.1	2
2469	Electromagnetic response in spiral magnets and emergent inductance. Communications Physics, 2021, 4, .	2.0	20
2470	Magnetic Weyl Semimetallic Phase in Thin Films of EuO . Physical Review Letters, 2021, 127, 277204.	2.9	17
2471	Boltzmann electronic dc transport in multiorbital weakly disordered crystals. Physical Review B, 2021, 104, .	1.1	1
2472	Spin-Orbit Coupling in 2D Semiconductors: A Theoretical Perspective. Journal of Physical Chemistry Letters, 2021, 12, 12256-12268.	2.1	22
2473	Measurement of dielectric refractive index based on the spin-orbit Hall effect of light. , 2021, , .		0
2474	Riemannian geometry of resonant optical responses. Nature Physics, 2022, 18, 290-295.	6.5	58
2475	A room-temperature gate-tunable bipolar valley Hall effect in molybdenum disulfide/tungsten diselenide heterostructures. Nature Electronics, 2022, 5, 23-27.	13.1	16
2476	Anomalous Hall effect in spatially inhomogeneous SrRuO ₃ films. AIP Advances, 2021, 11, .	0.6	8
2477	Intrinsic Torques Emerging from Anomalous Velocity in Magnetic Textures. Physical Review Letters, 2021, 127, 277205.	2.9	4
2478	Nonlinear Planar Hall Effect in Chiral Topological Semimetal CoSi. Journal of Experimental and Theoretical Physics, 2021, 133, 792-797.	0.2	5
2479	Anomalous Hall signatures of nonsymmorphic nodal lines in the doped chromium chalcospinel CuCr_2S_4 . Physical Review B, 2021, 104, .	1.1	2
2480	Electronic structure and unconventional nonlinear response in double Weyl semimetal Sr_2IrTe_5 . Physical Review B, 2021, 104, .	1.5	15
2481	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor. Science Advances, 2021, 7, eabl5381.	4.7	6
2482	Physical Properties of High-Cobalt Amorphous Alloys. Metallofizika I Noveishie Tekhnologii, 2021, 43, 1601-1609.	0.2	1
2483	Novel $\sqrt{2}$ -Periodic Planar Hall Effect Due to Orbital Magnetic Moments in MnBi_2Te_4 . Nano Letters, 2022, 22, 73-80.	4.5	7
2484	Large Anomalous Nernst Angle in Co_2MnGa Thin Film. IEEE Magnetics Letters, 2022, 13, 1-5.	0.6	1
2485	What is measured when measuring a thermoelectric coefficient?. Comptes Rendus Physique, 2022, 23, 25-40.	0.3	0

#	ARTICLE	IF	CITATIONS
2486	Intelligent infrared sensing enabled by tunable moiré quantum geometry. <i>Nature</i> , 2022, 604, 266-272.	13.7	69
2487	Magnetic and transport properties of Fe-doped Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Journal of Alloys and Compounds</i> , 2022, 911, 165089.	2.8	4
2488	Mn-doped SiGe thin films grown by UHV/CVD with room-temperature ferromagnetism and high hole mobility. <i>Science China Materials</i> , 2022, 65, 2826-2832.	3.5	6
2489	Tunable artificial topological Hall effects in van der Waals heterointerfaces. <i>Physical Review B</i> , 2022, 105, .	1.1	7
2490	Proposal for realizing anomalous Floquet insulators via Chern band annihilation. <i>SciPost Physics</i> , 2022, 12, .	1.5	0
2491	Topological response of the anomalous Hall effect in MnBi ₂ Te ₄ due to magnetic canting. <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	15
2492	Observation of topological Hall torque exerted on a domain wall in the ferromagnetic oxide SrRuO ₃ . <i>Science Advances</i> , 2022, 8, eabl6192.	4.7	6
2493	Anomalous valley Hall effect in A-type antiferromagnetic van der Waals heterostructures. <i>Physical Review B</i> , 2022, 105, .	1.1	11
2494	Field-tunable toroidal moment and anomalous Hall effect in noncollinear antiferromagnetic Weyl semimetal Co _{1/3} TaS ₂ . <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	13
2499	Giant coercivity in single crystal Ta ₃ Fe ₆ film. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 127503.	0.2	0
2502	Progress in magnetic alloys with kagome structure: materials, fabrications and physical properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7748-7770.	2.7	6
2504	Manipulation of Antiskyrmion Phase in Mn_2Mo_2X Tetragonal Heusler System. <i>Physical Review Applied</i> , 2022, 17, .	1.5	2
2505	Phase engineering of Cr ₅ Te ₈ with colossal anomalous Hall effect. <i>Nature Electronics</i> , 2022, 5, 224-232.	13.1	68
2506	Crystallographic dependence of the spin Hall angle in epitaxial Pt films: Comparison of optical and electrical detection of spin-torque ferromagnetic resonance techniques. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	5
2507	Ambi-chiral anomalous Hall effect in magnetically doped topological insulators. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	2.0	3
2508	Suppression of magneto-optical transport in tilted Weyl semimetals by orbital magnetic moment. <i>Physical Review B</i> , 2022, 105, .	1.1	1
2509	Correlation between antisymmetric magnetoresistance and anomalous hall effect in Co _{1-x} Tb _x films. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 305001.	1.3	1
2510	Hall effect of itinerant electron metamagnet Co(Si-Se) ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 557, 169460.	1.0	2

#	ARTICLE	IF	CITATIONS
2511	Advances and key technologies in magnetoresistive sensors with high thermal stabilities and low field detectivities. <i>APL Materials</i> , 2022, 10, .	2.2	14
2512	Type-Y magnetic tunnel junctions with CoFeB doped tungsten as spin current source. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	2
2513	Anomalous thermal Hall effect and anomalous Nernst effect of CsV_3Sb_5 . <i>Physical Review B</i> , 2022, 105, .	1.1	20
2514	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal $Co_2Mn_2S_8$ at room temperature. <i>Physical Review B</i> , 2022, 105, .	1.1	2
2515	Magnetic field-temperature phase diagrams for multiple- Q magnetic ordering: Exact steepest descent approach to long-range interacting spin systems. <i>Physical Review B</i> , 2022, 105, .	1.1	15
2516	Maximizing intrinsic anomalous Hall effect by controlling the Fermi level in simple Weyl semimetal films. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2517	Giant nonlinear anomalous Hall effect induced by spin-dependent band structure evolution. <i>Physical Review Research</i> , 2022, 4, .	1.3	14
2518	Photon-modulated linear and nonlinear anomalous Hall effects in type-II semi-Dirac semimetals. <i>Physical Review B</i> , 2022, 105, .	1.1	5
2519	Analysis of model-parameter dependences on the second-order nonlinear conductivity in PT -symmetric collinear antiferromagnetic metals with magnetic toroidal moment on zigzag chains. <i>Physical Review B</i> , 2022, 105, .	1.1	21
2520	The topological nodal lines and drum-head-like surface states in semimetals $CrSi_2$, $MoSi_2$ and WSi_2 . <i>Physica B: Condensed Matter</i> , 2022, 639, 413928.	1.3	3
2521	Anomalous thermoelectric effects and quantum oscillations in the kagome metal CsV_3Sb_5 . <i>Physical Review B</i> , 2022, 105, .	1.1	2
2522	Electronic and magnetic properties of vanadium dichalcogenides: A brief overview on theory and experiment. <i>Journal of Applied Physics</i> , 2022, 131, 190701.	1.1	1
2523	Chirality of magnetic excitations in ferromagnetic $SrRuO_3$. <i>Physical Review B</i> , 2022, 105, .	1.1	1
2524	Emergent Multifunctional Magnetic Proximity in van der Waals Layered Heterostructures. <i>Advanced Science</i> , 2022, 9, .	5.6	17
2525	Highly efficient spin-orbit torque in a perpendicular synthetic ferrimagnet. <i>Physical Review B</i> , 2022, 105, .	1.1	5
2526	Surface-Driven Evolution of the Anomalous Hall Effect in Magnetic Topological Insulator $MnBi_2Te_4$ Thin Films. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	2
2527	Spin anomalous-Hall unidirectional magnetoresistance. <i>Physical Review B</i> , 2022, 105, .	1.1	6
2528	Strain-controlled anomalous hall conductivity of d transition metals. <i>Materials Today Communications</i> , 2022, 31, 103694.	0.9	1

#	ARTICLE	IF	CITATIONS
2529	Manipulation of Micromagnetic Structure of Thin Co/Pt Multilayer Films by Precise Variation of Co and Pt Thicknesses. SSRN Electronic Journal, 0, , .	0.4	0
2530	Emergent Topological Hall Effect from Exchange Coupling in Ferromagnetic Cr ₂ Te ₃ /Noncoplanar Antiferromagnetic Cr ₂ Se ₃ Bilayers. ACS Nano, 2022, 16, 8974-8982.	7.3	14
2531	Berry curvature dipole senses topological transition in a moiré superlattice. Nature Physics, 2022, 18, 765-770.	6.5	51
2532	Signatures of Spin-Orbit Coupling and Charge Localization in Cr ₂ Sn ₁₀ : A Scanning Tunneling Microscopic Study. Journal of Physical Chemistry C, 2022, 126, 9117-9122.	1.5	0
2533	Hall Anomaly, Quantum Oscillations and Possible Lifshitz Transitions in Kondo Insulator YbB_{12} : Evidence for Unconventional Charge Transport. Physical Review X, 2022, 12, .	2.8	7
2534	Exploiting Spin Fluctuations for Enhanced Pure Spin Current. Physical Review Letters, 2022, 128, .	2.9	8
2535	Topological hall transport: Materials, mechanisms and potential applications. Progress in Materials Science, 2022, 130, 100971.	16.0	27
2536	Spin-related phenomena in spin ^{3/2} charge carrier holes systems. Solid State Communications, 2022, 352, 114815.	0.9	5
2537	Manipulation of 2DEG at double-doped high-entropy heterointerfaces. Nanoscale, 2022, 14, 9771-9780.	2.8	3
2538	Berry curvature-induced local spin polarisation in gated graphene/WTe ₂ heterostructures. Nature Communications, 2022, 13, .	5.8	3
2539	Skyrmion crystal with integer and fractional skyrmion numbers in a nonsymmorphic lattice structure with the screw axis. Physical Review B, 2022, 105, .	1.1	5
2540	Generalized Wilson loop method for nonlinear light-matter interaction. Npj Quantum Materials, 2022, 7, .	1.8	10
2541	Anomalous and topological Hall effects of ferromagnetic Fe ₃ Sn ₂ epitaxial films with kagome lattice. Applied Physics Letters, 2022, 120, .	1.5	6
2542	Floquet electronic bands and transport in magic-angle bilayer graphene. New Journal of Physics, 2022, 24, 063029.	1.2	1
2543	Spin Hall effect driven by the spin magnetic moment current in Dirac materials. Physical Review B, 2022, 105, .	1.1	7
2544	In-plane anisotropic charge dynamics in the layered polar Dirac semimetal BaMnSb_2 . Physical Review B, 2022, 105, .		
2545	Spin splitting of the conduction band by exchange interaction in the valence band through a interband process in ferromagnetic semiconductors. Physical Review B, 2022, 105, .	1.1	1
2546	Dimensional crossover in self-intercalated antiferromagnetic V_5S_8 nanoflakes. Physical Review B, 2022, 105, .	1.1	6

#	ARTICLE	IF	CITATIONS
2547	Giant Orbital Anisotropy with Strong Spin-Orbit Coupling Established at the Pseudomorphic Interface of the Co/Pd Superlattice. <i>Advanced Science</i> , 0, , 2201749.	5.6	3
2548	Superconductivity in monolayer FeSe enhanced by quantum geometry. <i>Physical Review Research</i> , 2022, 4, .	1.3	11
2549	Nonlinear Hall response in the driving dynamics of ultracold atoms in optical lattices. <i>Physical Review A</i> , 2022, 105, .	1.0	1
2550	Spin Hall effect in two-dimensional InSe: Interplay between Rashba and Dresselhaus spin-orbit couplings. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2551	Thickness dependence of anomalous Hall and Nernst effects in Ni-Fe thin films. <i>Physical Review B</i> , 2022, 105, .	1.1	11
2552	Flexoelectronic doping of degenerate silicon and correlated electron behavior. <i>Physical Review B</i> , 2022, 105, .	1.1	2
2553	Efficient room-temperature magnetization direction detection by means of the enhanced anomalous Nernst effect in a Weyl ferromagnet. <i>Physical Review Materials</i> , 2022, 6, .	0.9	6
2554	Extrinsic contribution to anomalous Hall effect in chiral antiferromagnetic (111)-oriented LiMn_3Ir films. <i>Japanese Journal of Applied Physics</i> , 0, , .	0.8	3
2555	Large intrinsic spin Hall conductivity and spin Hall angle in the nodal-line semimetals ThAl_2Mn_2 and ThGa_2Mn_2 . <i>Physical Review B</i> , 2022, 105, .	1.1	2
2556	L_1L_2 ordering of Co_2FeSn thin films promoted by high-temperature annealing. <i>AIP Advances</i> , 2022, 12, 065030.	0.6	0
2557	Magnetic and transport properties of chiral magnet $\text{Co}_7\text{Zn}_8\text{Mn}_5$. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169631.	1.0	2
2558	Structural, magnetic and Magneto-transport properties of Mn-doped SiGe thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169630.	1.0	3
2559	Topological Phase Transitions and Critical Phenomena Associated with Unwinding of Spin Crystals by High Magnetic Fields. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	0.7	3
2560	Topological physics of Xenon. , 2022, , 295-318.		0
2561	Photonic spin Hall effect: fundamentals and emergent applications. , 2022, 1, 220007-220007.		56
2562	Stanene and Plumbene. , 2022, , 49-72.		0
2563	Localization Effects and Anomalous Hall Conductivity in a Disordered 3d Ferromagnet. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2564	Large Anomalous Unidirectional Magnetoresistance in a Single Ferromagnetic Layer. <i>Physical Review Applied</i> , 2022, 17, .	1.5	9

#	ARTICLE	IF	CITATIONS
2565	Orbital angular momentum driven anomalous Hall effect. Physical Review B, 2022, 105, .	1.1	4
2566	Nonlinear χ_f model for disordered systems with intrinsic spin-orbit coupling. Physical Review B, 2022, 105, .	1.1	3
2567	Increased intrinsic anomalous Hall effect from rare earth content in amorphous SmCo_2 films. APL Materials, 2022, 10, 071110.	2.2	0
2568	Nonreciprocal optics and magnetotransport in Weyl metals as signatures of band topology. Physical Review B, 2022, 106, .	1.1	9
2569	Topological monopole's gauge field-induced anomalous Hall effect in artificial honeycomb lattice. Natural Sciences, 2022, 2, .	1.0	1
2570	Resistance minimum in LaAlO_3 Physical Review Materials, 2022, 6, .	1.9	3
2571	Incommensurate magnetic orders and topological Hall effect in the square-net centrosymmetric EuGa_2 system. Physical Review Materials, 2022, 6, .	0.9	12
2572	Magneto-optical Kerr spectra of gold induced by spin accumulation. Physical Review B, 2022, 106, .	1.1	7
2573	Investigating the strain controlled epitaxial growth of Mn_3Ge films through thickness modulation. Applied Surface Science, 2022, , 154247.	3.1	0
2574	Strain engineering of electronic properties and anomalous valley hall conductivity of transition metal dichalcogenide nanoribbons. Scientific Reports, 2022, 12, .	1.6	6
2575	Orbital polarization and third-order anomalous Hall effect in WTe_2 Physical Review B, 2022, 106, .	1.1	6
2576	Nonlinear spin Hall effect in PT -symmetric collinear magnets. Physical Review B, 2022, 106, .	1.1	18
2577	Theory of longitudinal and transverse nonlinear dc conductivity. Physical Review Research, 2022, 4, .	1.3	2
2578	Epitaxial NiCo_2O_4 film as an emergent spintronic material: Magnetism and transport properties. Journal of Applied Physics, 2022, 132, .	1.1	14
2579	Theory of magnetic spin and orbital Hall and Nernst effects in bulk ferromagnets. Physical Review B, 2022, 106, .	1.1	12
2580	Superconductivity and Unconventional Density Waves in Vanadium-based Kagome Materials AV_3Sb_5 . Chinese Physics B, 0, , .	0.7	10
2581	Spin and orbital transport in rare-earth dichalcogenides: The case of EuS Physical Review Materials, 2022, 6, .	1.9	1
2582	Effect of spin-orbit coupling on the high harmonics from the topological Dirac semimetal Na_3Bi . Npj Computational Materials, 2022, 8, .	3.5	13

#	ARTICLE	IF	CITATIONS
2583	The progress of quantum anomalous Hall effect in graphene and the state-of-art applications. , 0, 5, 223-228.		0
2584	Through the Lens of a Momentum Microscope: Viewing Light-Induced Quantum Phenomena in 2D Materials. Advanced Materials, 2023, 35, .	11.1	4
2585	Magnetic Orderings from Spin-Orbit Coupled Electrons on Kagome Lattice. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
2586	First-Principles Calculation of Transport Properties of Heusler Alloy Co_2MnAl at Finite Temperatures. Journal of the Physical Society of Japan, 2022, 91, .	0.7	8
2587	Empirical relation between the Hall voltage and domain wall position in a Hall bar geometry. Current Applied Physics, 2022, 41, 178-182.	1.1	1
2588	Anomalous transverse effects and Magneto-Optical properties of Co-based Heusler Compounds. Computational Materials Science, 2022, 213, 111625.	1.4	1
2590	Electronic chiralization as an indicator of the anomalous Hall effect in unconventional magnetic systems. Physical Review B, 2022, 106, .	1.1	7
2591	Topological Surface State Annihilation and Creation in $\text{SnTe/Cr}(\text{BiSb})_2\text{Te}_3$ Heterostructures. Nano Letters, 2022, 22, 5735-5741.	4.5	1
2592	Nonlinear nonreciprocal transport in antiferromagnets free from spin-orbit coupling. Physical Review B, 2022, 106, .	1.1	13
2593	Quasi-Two-Dimensional Anomalous Hall Mott Insulator of Topologically Engineered $\text{J}_2\text{Zn}_2\text{P}_2$ Electrons. Physical Review X, 2022, 12, .	2.8	2
2594	From classical to quantum regime of topological surface states via defect engineering. SciPost Physics Lecture Notes, 0, , .	0.0	1
2595	Electric current and magnetization distributions self-organization features in a magnetoresistive film nanoelement under the influence of an external magnetic field. International Journal of Modern Physics B, 0, , .	1.0	0
2596	Topological edge states in dipolar zig-zag stripes. JPhys Materials, 0, , .	1.8	0
2597	Optical anomalous Hall effect enhanced by flat bands in ferromagnetic van der Waals semimetal. Npj Quantum Materials, 2022, 7, .	1.8	6
2598	Magnetic Hedgehog Lattice in a Centrosymmetric Cubic Metal. Journal of the Physical Society of Japan, 2022, 91, .	0.7	8
2599	Evolution of the Electronic Structure of Ultrathin MnBi_2Te_4 Films. Nano Letters, 2022, 22, 6320-6327.	4.5	10
2600	Construction of the spectral function from noncommuting spectral moment matrices. Physical Review B, 2022, 106, .	1.1	1
2601	Band splitting induced Berry flux and intrinsic anomalous Hall conductivity in the NiCoMnGa quaternary Heusler compound. Physical Review B, 2022, 106, .	1.1	4

#	ARTICLE	IF	CITATIONS
2602	Magnus spin Hall and spin Nernst effects in gapped two-dimensional Rashba systems. <i>Physical Review B</i> , 2022, 106, .	1.1	2
2603	Disorder- and Topology-Enhanced Fully Spin-Polarized Currents in Nodal Chain Spin-Gapless Semimetals. <i>Physical Review Letters</i> , 2022, 129, .	2.9	1
2604	Divergence anomaly and Schwinger terms: Towards a consistent theory of anomalous classical fluids. <i>Physical Review D</i> , 2022, 106, .	1.6	4
2605	Intricate features of electron and hole skew scattering in semiconductors. <i>Physical Review B</i> , 2022, 106, .	1.1	1
2606	Converging tetrahedron method calculations for the nondissipative parts of spectral functions. <i>Physical Review B</i> , 2022, 106, .	1.1	1
2607	Nonlinear anomalous Hall effects probe topological phase-transitions in twisted double bilayer graphene. <i>2D Materials</i> , 2022, 9, 045020.	2.0	21
2608	Transport signatures of anisotropic tilted Dirac cones in 8-Pmmn borophene. <i>European Physical Journal B</i> , 2022, 95, .	0.6	1
2609	Tuning the transport properties of MnB_6 through the effect of strain on its magnetism. <i>Physical Review B</i> , 2022, 106, .		
2610	The Effect of Cr Substitution on the Anomalous Hall Effect of $Co_{3-x}Cr_xAl$ ($x = 0, 1, 2, 3$) Heusler Compounds: An Ab Initio Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 8303.	1.3	0
2611	Magnetization tunable Weyl states in B_6 . <i>Physical Review B</i> , 2022, 106, .	1.1	9
2612	Linear level repulsions near exceptional points of non-Hermitian systems. <i>Physical Review B</i> , 2022, 106, .	1.1	1
2613	Chirality-dependent second-order spin current in systems with time-reversal symmetry. <i>Physical Review B</i> , 2022, 106, .	1.1	0
2614	Piezomagnetic switching of the anomalous Hall effect in an antiferromagnet at room temperature. <i>Nature Physics</i> , 2022, 18, 1086-1093.	6.5	25
2615	Magnetic Skyrmionic Bubbles at Room Temperature and Sign Reversal of the Topological Hall Effect in a Layered Ferromagnet $Cr_{0.87}Te$. <i>ACS Nano</i> , 2022, 16, 13911-13918.	7.3	11
2616	Magnetic Skyrmions with Unconventional Helicity Polarization in a Van Der Waals Ferromagnet. <i>Advanced Materials</i> , 2022, 34, .	11.1	19
2617	Kinetically Controlled Structural Transitions in Layered Halide-Based Perovskites: An Approach to Modulate Spin Splitting. <i>Journal of the American Chemical Society</i> , 2022, 144, 15223-15235.	6.6	11
2618	First-principles insights into the spin-valley physics of strained transition metal dichalcogenides monolayers. <i>New Journal of Physics</i> , 2022, 24, 083004.	1.2	16
2619	Semimetallic Kondo lattice behavior in YbPdAs with a distorted kagome structure. <i>Physical Review B</i> , 2022, 106, .	1.1	3

#	ARTICLE	IF	CITATIONS
2620	Layer Hall effect induced by hidden Berry curvature in antiferromagnetic insulators. National Science Review, 2024, 11, .	4.6	16
2621	Theory of shift heat current and its application to electron-phonon coupled systems. Physical Review B, 2022, 106, .	1.1	0
2622	First- and second-order magneto-optical effects and intrinsically anomalous transport in the two-dimensional van der Waals layered magnets <mml:math		

#	ARTICLE	IF	CITATIONS
2638	Magnetic and magnetotransport properties of MnSb polycrystals near equatomic composition. Journal of Magnetism and Magnetic Materials, 2022, 563, 169873.	1.0	2
2639	The Anomalous Hall Effect. , 2024, , 587-601.		2
2640	Layer-polarized anomalous Hall effects in valleytronic van der Waals bilayers. Materials Horizons, 2023, 10, 483-490.	6.4	16
2641	Electric field-induced switching of anomalous Nernst conductivity in the 2D MoTe ₂ /VSe ₂ heterostructure. Physical Chemistry Chemical Physics, 2022, 24, 22523-22530.	1.3	3
2642	Noncollinear Antiferromagnetic Spintronics. , 0, 1, .		4
2643	Probing Magnetic Anisotropy in Kagome Antiferromagnetic Mn ₃ Ge with Torque Magnetometry. SSRN Electronic Journal, 0, , .	0.4	0
2644	Efecto Hall cristalino en el antiferromagnético colineal no convencional NiF ₂ . Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2022, 46, 617-627.	0.0	0
2645	Determination of spin Hall angle in the Weyl ferromagnet CoMn_2O_4 by taking into account the thermoelectric contributions. Physical Review Materials, 2022, 6, .		
2646	Landau-Level Signatures in Ultrafast Anomalous Hall Currents at Room Temperature. , 2022, , .		0
2647	Gate tunable anomalous Hall effect: Berry curvature probe at oxides interfaces. Physical Review B, 2022, 106, .	1.1	5
2648	Analytical renormalization group approach to competing orders at charge neutrality in twisted bilayer graphene. Physical Review Research, 2022, 4, .	1.3	6
2649	Anomalous Hall effect at the Lifshitz transition in ZrTe_5 . Physical Review B, 2022, 106, .		
2650	Spin chirality induced large topological Hall effect in magnetic Weyl semimetallic EuIr_2O_7 (111) thin films. Physical Review B, 2022, 106, .	1.1	6
2651	Ferroelectricity controlled chiral spin textures and anomalous valley Hall effect in the Janus magnet-based multiferroic heterostructure. 2D Materials, 2022, 9, 045030.	2.0	5
2652	Materials challenges for SrRuO ₃ : From conventional to quantum electronics. APL Materials, 2022, 10, .	2.2	8
2653	Progress and prospects in the quantum anomalous Hall effect. APL Materials, 2022, 10, .	2.2	11
2654	Large magneto-thermoelectric effect on the verge of metal-insulator and topological transitions in pyrochlore iridates. APL Materials, 2022, 10, 091111.	2.2	0
2655	2D electrene LaH ₂ monolayer: an ideal ferrovalley direct semiconductor with room-temperature ferromagnetic stability. Journal of Physics Condensed Matter, 2022, 34, 475303.	0.7	2

#	ARTICLE	IF	CITATIONS
2656	Kagome superconductors AV ₃ Sb ₅ (A = K, Rb, Cs). National Science Review, 2023, 10, .	4.6	62
2657	Berry's phase and chiral anomalies. Progress in Particle and Nuclear Physics, 2022, , 103992.	5.6	1
2658	Oxygen Vacancy-Induced Anomalous Hall Effect in a Nominally Non-magnetic Oxide. Journal of Electronic Materials, 2022, 51, 7073-7077.	1.0	8
2659	Topological Floquet bands in a circularly shaken dice lattice. Physical Review Research, 2022, 4, .	1.3	2
2660	Magnetotransport properties of the kagome magnet $TmMn_6Sn_6$. Physical Review B, 2022, 106, .	1.1	4
2661	Distinguishing the Two-Component Anomalous Hall Effect from the Topological Hall Effect. ACS Nano, 2022, 16, 17336-17346.	7.3	19
2662	Evidence of the nontrivial Berry phase at $Al_2O_3/SrTiO_3$ heterointerfaces. Applied Physics Letters, 2022, 121, .	1.5	1
2663	Large-gap quantum anomalous Hall states induced by functionalizing buckled Bi-III monolayer/ Al_2O_3 . Physical Review B, 2022, 106, .		
2664	High-Power-Density Energy-Harvesting Devices Based on the Anomalous Nernst Effect of Co/Pt Magnetic Multilayers. ACS Applied Energy Materials, 2022, 5, 11835-11843.	2.5	6
2665	Electrical and Magnetic Transport Properties of Co ₂ VGa Half-Metallic Heusler Alloy. Materials, 2022, 15, 6138.	1.3	6
2666	Prediction of Ground State Structures and Robust Weyl Fermionic States in MnRhP. Journal of Physical Chemistry C, 2022, 126, 17328-17337.	1.5	0
2667	Solution to a Two-Dimensional Electrostatic Problem for an Oblique Magnetoresistive Element. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 1070-1073.	0.1	0
2668	Discovery of charge density wave in a kagome lattice antiferromagnet. Nature, 2022, 609, 490-495.	18.7	72
2669	Perpendicular magnetic anisotropy in as-deposited CoFeB/MgO thin films. Applied Physics Letters, 2022, 121, 122401.	1.5	3
2670	Proximity-magnetized quantum spin Hall insulator: monolayer $WTe_2/Cr_2Ge_2Te_6$. Nature Communications, 2022, 13, .	5.8	8
2671	Control of electronic topology in a strongly correlated electron system. Nature Communications, 2022, 13, .	5.8	4
2672	Intrinsically enhanced anomalous Hall conductivity and Hall angle in Sb-doped magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . APL Materials, 2022, 10, .	2.2	2
2673	Ferroelectricity-Driven Phonon Berry Curvature and Nonlinear Phonon Hall Transports. Nano Letters, 2022, 22, 8281-8286.	4.5	3

#	ARTICLE	IF	CITATIONS
2674	Probing magnetic anisotropy in Kagome antiferromagnetic Mn \times Ge with torque magnetometry. Journal of Magnetism and Magnetic Materials, 2022, , 170018.	1.0	0
2675	Ferroaxial moment induced by vortex spin texture. Physical Review B, 2022, 106, .	1.1	9
2676	Localization effects and Anomalous Hall conductivity in a disordered 3D ferromagnet. Journal of Magnetism and Magnetic Materials, 2022, , 170035.	1.0	0
2677	Quantum anomalous Hall effect in M_2X_3 honeycomb Kagome lattice. Journal of Physics Condensed Matter, 2022, 34, 475702.	0.7	2
2678	Magneto-optical detection of topological contributions to the anomalous Hall effect in a kagome ferromagnet. Physical Review B, 2022, 106, .	1.1	2
2679	Giant and Robust Anomalous Nernst Effect in a Polycrystalline Topological Ferromagnet at Room Temperature. Advanced Functional Materials, 2022, 32, .	7.8	10
2680	Charge dynamics of a noncentrosymmetric magnetic Weyl semimetal. Npj Quantum Materials, 2022, 7, .	1.8	6
2681	Intrinsic Anomalous Hall Effect in a Bosonic Chiral Superfluid. Physical Review Letters, 2022, 129, .	2.9	5
2682	Near-room temperature topological Hall effect at spin reorientations in sputtered $NdCo_5xCu_x$ thin film. Applied Physics Letters, 2022, 121, 182404.	1.5	0
2683	Odd viscosity-induced Hall-like transport of an active chiral fluid. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	10
2684	Intrinsic Valley-Polarized Quantum Anomalous Hall Effect and Controllable Topological Phase Transition in Janus Fe_2SSe . Journal of Physical Chemistry Letters, 2022, 13, 10297-10304.	2.1	7
2685	Giant Berry curvature dipole density in a ferroelectric Weyl semimetal. Npj Quantum Materials, 2022, 7, .	1.8	6
2686	Reversal of Anomalous Hall Effect and Octahedral Tilting in $SrRuO_3$ Thin Films via Hydrogen Spillover. Advanced Materials, 2023, 35, .	11.1	6
2687	Room-temperature Magnetic Skyrmions and Large Topological Hall Effect in Chromium Telluride Engineered by Self-Intercalation. Advanced Materials, 2023, 35, .	11.1	20
2688	Skyrmion and vortex crystals in the Hubbard model. Physical Review B, 2022, 106, .	1.1	8
2689	Electrodynamics of $MnBi_2Te_4$ intrinsic magnetic topological insulators. NPG Asia Materials, 2022, 14, .	3.8	3
2690	Intrinsic anomalous Hall effect and Lifshitz transition in a ferromagnetic kagome-lattice metal. Applied Physics Letters, 2022, 121, .	1.5	3
2691	Reversal of anomalous Hall conductivity by perpendicular electric field in 2D WSe_2/VSe_2 heterostructure. Communications Physics, 2022, 5, .	2.0	7

#	ARTICLE	IF	CITATIONS
2710	Resonant thermal Hall effect of phonons coupled to dynamical defects. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
2711	Quantum geometric effect on Fulde-Ferrell-Larkin-Ovchinnikov superconductivity. Physical Review B, 2022, 106, .	1.1	4
2712	Sign reversal and manipulation of anomalous Hall resistivity in facing-target sputtered Pt/Mn4N bilayers. Rare Metals, 2023, 42, 591-601.	3.6	5
2713	An anomalous Hall effect in altermagnetic ruthenium dioxide. Nature Electronics, 2022, 5, 735-743.	13.1	68
2714	Three-dimensional skyrmionic cocoons in magnetic multilayers. Nature Communications, 2022, 13, .	5.8	8
2715	Structural, magnetic, and transport properties of epitaxial thin films of equiatomic quaternary CoFeCrGa Heusler alloy. Journal of Applied Physics, 2022, 132, .	1.1	2
2716	Intrinsic anomalous spin Hall effect. Science China: Physics, Mechanics and Astronomy, 2023, 66, .	2.0	3
2717	Universal rotation gauge via quantum anomalous Hall effect. Applied Physics Letters, 2022, 121, 193101.	1.5	0
2718	Anomalous Hall effect in topological Weyl and nodal-line semimetal Heusler compound Co_2VAl . Journal of Physics Condensed Matter, 2023, 35, 035601.	0.7	4
2719	Quantum Transport and Magnetism of Dirac Electrons in Solids. Physical Review Letters, 2022, 129, .	2.9	1
2720	Anomalous Hall Effect in Epitaxial Thin Films of the Hexagonal Heusler MnPtGa Noncollinear Hard Magnet. Advanced Materials Interfaces, 0, , 2201562.	1.9	0
2721	Anomalous Hall conductivity control in $\text{Mn}_3\text{X}_2\text{Y}$ antiperovskite by epitaxial strain along the kagome plane. Physical Review B, 2022, 106, .		
2722	Sign change of anomalous Hall effect with temperature in $\text{Cr}_2\text{V}_0.25\text{Te}_4$ single crystal. Applied Physics Letters, 2022, 121, .	1.5	2
2723	Unified theory of the anomalous and topological Hall effects with phase-space Berry curvatures. Science Advances, 2022, 8, .	4.7	9
2724	A Nobleâ€Metalâ€Free Spintronic System with Proximityâ€Enhanced Ferromagnetic Topological Surface State of FeSi above Room Temperature. Advanced Materials, 2023, 35, .	11.1	2
2725	Proximity induced longitudinal and transverse thermoelectric response in graphene-ferromagnetic CrBr_3 vdW heterostructure. Journal of Physics Condensed Matter, 0, , .	0.7	0
2726	Magnon scattering modulated planar Hall effect in a ferromagnet/topological insulator heterostructure. Physical Review B, 2022, 106, .	1.1	3
2727	Relationship between Antisite Defects, Magnetism, and Band Topology in MnSb_2Te_4 Crystals with $T < T_C \approx 40$ K. Journal of Physical Chemistry Letters, 2022, 13, 10897-10904.	2.1	6

#	ARTICLE	IF	CITATIONS
2728	Room Temperature Quantum Anomalous Hall Insulator in a Honeycomb Lattice, RuCS ₃ , with Large Magnetic Anisotropy Energy. Chinese Physics B, 0, , .	0.7	0
2729	Spin polarization through a molecular junction based on nuclear Berry curvature effects. Physical Review B, 2022, 106, .	1.1	11
2730	The spin Hall effect. , 2024, , 132-142.		0
2731	Berry phase and geometrical observables. , 2024, , 670-680.		0
2732	Single crystal growth of topological semimetals and magnetic topological materials. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 038103.	0.2	2
2733	Disordered spin gapless semiconducting CoFeCrGa Heusler alloy thin films on Si (100): experiment and theory. Nanoscale, 2022, 15, 337-349.	2.8	6
2734	Characterization of the quenched GaSb/MnSb composites with high fraction of the ferromagnetic component. Journal of Magnetism and Magnetic Materials, 2023, 565, 170242.	1.0	1
2735	Structural, magnetic and transport properties of the quaternary Heusler alloy CoFeMnSn. Journal of Alloys and Compounds, 2023, 937, 168497.	2.8	4
2736	Spin Caloritronics. , 2023, , 599-615.		0
2737	Anomalous Hall effect in antiferromagnetic perovskites. Physical Review B, 2022, 106, .	1.1	6
2738	A generic designing rule for realizing quantum anomalous Hall phase in a transition-metal trichalcogenide family. Science China Materials, 0, , .	3.5	4
2739	Topology and Symmetry in Quantum Materials. Advanced Materials, 2023, 35, .	11.1	10
2740	Resonant Second-Harmonic Generation as a Probe of Quantum Geometry. Physical Review Letters, 2022, 129, .	2.9	24
2741	Local thermoelectric response from a single Néel domain wall. Science Advances, 2022, 8, .	4.7	1
2742	Topological Hall Effect Anisotropy in Kagome Bilayer Metal $S_{xy} = \frac{2\theta}{3} S_{zz}$ Physical Review Letters, 2022, 129, .	2.9	5
2743	Nonlinear chiral photocurrent in parity-violating magnetic Weyl semimetals. Physical Review B, 2022, 106, .	1.1	1
2744	Unraveling the origin of the peculiar transition in the magnetically ordered phase of the Weyl semimetal $S_{xy} = \frac{1}{3} S_{zz}$ Physical Review B, 2022, 106, .	1.3	5
2745	Magneto-thermal transport indicating enhanced Nernst response in FeCo/IrMn exchange coupled stacks. Applied Physics Letters, 2022, 121, 212405.	1.5	0

#	ARTICLE	IF	CITATIONS
2746	A programmable multi-state logic-in-memory in a single unit based on spin-orbit torque. Applied Physics Letters, 2022, 121, .	1.5	1
2747	Extrinsic to intrinsic mechanism crossover of anomalous Hall effect in the Ir-doped MnPtSn Heusler system. Physical Review B, 2022, 106, .	1.1	1
2748	Quantum anomalous Hall effect in perfectly compensated collinear antiferromagnetic thin films. Physical Review B, 2022, 106, .	1.1	3
2749	Spin-neutral tunneling anomalous Hall effect. Physical Review B, 2022, 106, .	1.1	7
2750	Possible quantization and half-quantization in the anomalous Hall effect caused by in-plane magnetic field. Physical Review B, 2022, 106, .	1.1	7
2751	Thermodynamical and topological properties of metastable Fe ₃ Sn. Npj Computational Materials, 2022, 8, .	3.5	4
2752	Layer-Number-Dependent Magnetism and Anomalous Hall Effect in van der Waals Ferromagnet Fe ₅ GeTe ₂ . Nano Letters, 2022, 22, 9839-9846.	4.5	17
2753	Band Structure and Quantum Transport of Bent Bilayer Graphene. Materials, 2022, 15, 8664.	1.3	0
2754	Emerging Research Landscape of Altermagnetism. Physical Review X, 2022, 12, .	2.8	78
2755	Interwoven atypical quantum states in CeLiBi_2 . Physical Review B, 2022, 106, .	1.1	1
2756	Current-induced magnetization reversal in (Ga,Mn)(Bi,As) epitaxial layer with perpendicular magnetic anisotropy. Applied Physics Letters, 2022, 121, .	1.5	7
2757	Continuous manipulation of magnetic anisotropy in a van der Waals ferromagnet via electrical gating. Nature Electronics, 0, , .	13.1	12
2758	Anomalous circularly polarized light emission in organic light-emitting diodes caused by orbital momentum locking. Nature Photonics, 2023, 17, 193-199.	15.6	38
2759	Plateau-like magnetoresistance and topological Hall effect in Kagome magnets TbCo ₂ and DyCo ₂ . Applied Physics Letters, 2022, 121, .	1.5	7
2760	Sensitive Chirality Measurements with Electrical Readout Utilizing the CISS Effect. Israel Journal of Chemistry, 2022, 62, .	1.0	1
2761	Topological kagome magnets and superconductors. Nature, 2022, 612, 647-657.	13.7	82
2762	Spin-orbit proximity effect in Bi/Co multilayer: The role of interface scattering. Journal of Magnetism and Magnetic Materials, 2022, , 170312.	1.0	0
2763	Intrinsic anomalous Hall conductivity and real space Berry curvature induced topological Hall effect in Ni ₂ MnGa magnetic shape memory alloy. Journal Physics D: Applied Physics, 2023, 56, 044004.	1.3	5

#	ARTICLE	IF	CITATIONS
2764	Spin Hall conductivity of interacting two-dimensional electron systems. Physical Review B, 2022, 106, .	1.1	0
2765	Topological Nernst effect emerging from real-space gauge field and thermal fluctuations in a magnetic skyrmion lattice. Physical Review B, 2022, 106, .	1.1	3
2766	Thin film properties of the non-collinear Weyl antiferromagnet Mn ₃ Sn. Journal of Magnetism and Magnetic Materials, 2022, 564, 170176.	1.0	5
2767	Antiskyrmions and their electrical footprint in crystalline mesoscale structures of Mn _{1.4} PtSn. Communications Materials, 2022, 3, .	2.9	3
2768	Antisite disorder and Berry curvature driven anomalous Hall effect in the spin gapless semiconducting Mn_2Mn_8 Heusler compound. Physical Review B, 2022, 106, .	1.1	8
2769	Polarity-Driven Directional [0001] Electron Transfer on Nonpolar ZnO (101̄...0) Crystal Plane. Journal of Physical Chemistry C, 2022, 126, 21793-21799.	1.5	1
2770	Sign reversal of the anomalous Hall effect in antiperovskite (110)-oriented Mn _{3.19} Ga _{0.81} N film. Journal of Applied Physics, 2022, 132, 233902.	1.1	0
2771	Compositional dependence of anisotropic magnetoresistance effects in Weyl semimetal Co ₂ MnAl Heusler alloy epitaxial thin films. Journal of Applied Physics, 2022, 132, .	1.1	4
2772	First-principles study of anomalous hall effect and anomalous Nernst effect in Fe ₂ Si. Japanese Journal of Applied Physics, 0, .	0.8	0
2773	The Progress and Potential Applications of Quantum Anomalous Hall Effect. Journal of Physics: Conference Series, 2022, 2386, 012058.	0.3	0
2774	Non-volatile chirality switching by all-optical magnetization reversal in ferromagnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . Communications Physics, 2022, 5, .	2.0	4
2775	Anomalous Josephson Hall effect in doped topological insulators with nematic superconductivity. Physical Review B, 2022, 106, .	1.1	0
2776	Emergent Magnetomultipoles and Nonlinear Responses of a Magnetic Hopfion. Physical Review Letters, 2022, 129, .	2.9	9
2777	Influence of the surface states on the nonlinear Hall effect in Weyl semimetals. Physical Review B, 2022, 106, .	1.1	4
2778	Layer-Number-Independent Two-Dimensional Ferromagnetism in Cr ₃ Te ₄ . Nano Letters, 2022, 22, 9964-9971.	4.5	11
2779	Dramatic Tuning of the Topological Hall Effect in A _x RhO ₂ (A=K, Rb, and Cs) Crystals by Electron Concentration or Cation. Advanced Functional Materials, 0, , 2211214.	7.8	0
2780	Enhanced Anomalous Nernst Effect by Tuning the Chemical Potential in the Topological Kagome Ferromagnet Fe_3Sn_3 . Physical Review Applied, 2023, 19, .	1.5	3
2781	Impact of Bismuth Incorporation into (Ga,Mn)As Dilute Ferromagnetic Semiconductor on Its Magnetic Properties and Magnetoresistance. Materials, 2023, 16, 788.	1.3	4

#	ARTICLE	IF	CITATIONS
2782	Investigation of the mechanism of the anomalous Hall effects in Cr ₂ Te ₃ /(BiSb) ₂ (TeSe) ₃ heterostructure. Nano Convergence, 2023, 10, .	6.3	2
2783	Demonstration of Synaptic Behavior in a Heavy-Metal-Ferromagnetic-Metal-Oxide-Heterostructure-Based Spintronic Device for On-Chip Learning in Crossbar-Array-Based Neural Networks. ACS Applied Electronic Materials, 2023, 5, 484-497.	2.0	9
2784	Stacking-dependent nonreciprocal transport in magnetic skyrmions. Journal of Magnetism and Magnetic Materials, 2023, , 170420.	1.0	0
2785	Light control with Weyl semimetals. ELight, 2023, 3, .	11.9	25
2786	Magnetism and spin-dependent transport phenomena across Verwey and Morin transitions in iron oxide/Pt bilayers. Journal of Magnetism and Magnetic Materials, 2023, 568, 170370.	1.0	2
2787	Anomalous Hall effect dominated by intrinsic mechanism in Fe ₃ Ge with hexagonal DO ₁₉ Kagome lattice and cubic DO ₃ structure. Applied Physics Letters, 2023, 122, 032401.	1.5	2
2788	Sign reversal of planar Hall effect with temperature in La-doped Sr ₂ IrO ₄ films. Applied Physics Letters, 2023, 122, .	1.5	3
2789	Interplay between exchange-split Dirac and Rashba-type surface states at the MnBi ₂ Te ₂ interface. Physical Review B, 2023, 107, .		
2790	Orbital correlations in ultrathin films of late transition metals. Physical Review Materials, 2023, 7, .	0.9	1
2791	Magneto-Optical Spin Hall Effect Regulation at Terahertz Frequencies Based on Graphene-Gold Heterojunction. Crystals, 2023, 13, 78.	1.0	0
2792	Widely Tunable Berry Curvature in the Magnetic Semimetal Cr _{1+x} Te ₂ . Advanced Materials, 2023, 35, .	11.1	11
2793	Scaling analysis of anomalous Hall resistivity and magnetoresistance in the quasi-two-dimensional ferromagnet Fe ₃ . Physical Review B, 2023, 107, .		
2794	Single crystal growth of topological semimetals and magnetic topological materials. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 038101.	0.2	0
2795	Control over Berry Curvature Dipole with Electric Field in WTe ₂ . Physical Review Letters, 2023, 130, .	2.9	11
2796	First-principles calculation of anomalous Hall and Nernst conductivity by local Berry phase. Physical Review B, 2023, 107, .	1.1	5
2797	Phase diagram of the square-lattice Hubbard model with Rashba-type antisymmetric spin-orbit coupling. Physical Review B, 2023, 107, .	1.1	4
2798	Ferromagnetic exchange field-controlled band dispersions of non-Dirac electrons. AIP Advances, 2023, 13, 015117.	0.6	0
2799	Anomalous Nernst effect in compensated ferrimagnetic Co _x Gd _{1-x} films. Applied Physics Letters, 2023, 122, .	1.5	4

#	ARTICLE	IF	CITATIONS
2800	Spin and spin current "From fundamentals to recent progress. Journal of Applied Physics, 2023, 133, .	1.1	12
2801	Hall Effect Anisotropy in the Paramagnetic Phase of Ho _{0.8} Lu _{0.2} B ₁₂ Induced by Dynamic Charge Stripes. Molecules, 2023, 28, 676.	1.7	2
2802	Chern-insulating phase in non-Dirac heterostructure: Role of polarized light and spin-orbit interaction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2023, 461, 128619.	0.9	0
2803	Recent progress in the theory of bulk photovoltaic effect. Chemical Physics Reviews, 2023, 4, .	2.6	18
2804	Lifetime of spin-orbit induced spin textures in a semiconductor heterostructure probed by quantum corrections to conductivity. Physical Review Research, 2022, 4, .	1.3	1
2805	Tailoring anomalous Hall effect by spin-orbit coupling in epitaxial Au/Fe ₄ N bilayers. Applied Physics Letters, 2022, 121, 262401.	1.5	0
2806	Strongly correlated itinerant magnetism near superconductivity in $\text{NiTa}_{1-x}\text{Nb}_x$. Physical Review B, 2022, 106, .		
2807	Phase-change control of anomalous Hall effect in ferromagnetic MnBi thin films. Applied Physics Letters, 2022, 121, 262402.	1.5	0
2808	Significant Unconventional Anomalous Hall Effect in Heavy Metal/Antiferromagnetic Insulator Heterostructures. Advanced Science, 0, , 2206203.	5.6	1
2809	Topological Hall effect driven by short-range magnetic order in EuZn_2As_2 . Physical Review B, 2023, 107, .	1.1	5
2810	Carbon-induced magnetic properties and anomalous Hall effect in Co_2C thin films with L -like structures. Physical Review Materials, 2023, 7, .	0.9	0
2811	Quantum Fluctuation of the Quantum Geometric Tensor and Its Manifestation as Intrinsic Hall Signatures in Time-Reversal Invariant Systems. Physical Review Letters, 2023, 130, .	2.9	2
2812	Switching from extrinsic to intrinsic anomalous Hall effect around Lifshitz transition in a Kagome-lattice ferromagnet. Applied Physics Letters, 2023, 122, .	1.5	0
2813	Anomalous Hall conductivity and quantum friction. Physical Review B, 2023, 107, .	1.1	1
2814	Anomalous Hall effect in Pt/Al-doped Cr ₂ O ₃ epitaxial film. AIP Advances, 2023, 13, 015035.	0.6	0
2815	Quench dynamics of a spin-orbital coupled Bose-Einstein Condensate with non-linear interactions. Wuli Xuebao/Acta Physica Sinica, 2023, .	0.2	0
2816	Spontaneous Anomalous Hall Effect Arising from an Unconventional Compensated Magnetic Phase in a Semiconductor. Physical Review Letters, 2023, 130, .	2.9	37
2817	Topological features of the Haldane model on a dice lattice: Flat-band effect on transport properties. Physical Review B, 2023, 107, .	1.1	4

#	ARTICLE	IF	CITATIONS
2818	<i>Colloquium</i> : Quantum anomalous Hall effect. Reviews of Modern Physics, 2023, 95, .	16.4	88
2819	Anderson localization transitions in disordered non-Hermitian systems with exceptional points. Physical Review B, 2023, 107, .	1.1	4
2820	Topological features in the ferromagnetic Weyl semimetal CeAlSi: Role of domain walls. Physical Review Research, 2023, 5, .	1.3	8
2821	Sign change of anomalous Hall effect and anomalous Nernst effect in the Weyl semimetal CeAlSi. Physical Review B, 2023, 107, .	1.1	11
2822	Kubo conductivity in phosphorene. Journal of Physics and Chemistry of Solids, 2023, 176, 111257.	1.9	1
2823	Antiferromagnets for Advanced Spintronics. , 2023, , 666-677.		0
2824	Higher-order nonlinear anomalous Hall effects induced by Berry curvature multipoles. Physical Review B, 2023, 107, .	1.1	15
2825	Electric polarization and magnetization in metals. SciPost Physics, 2023, 14, .	1.5	0
2826	Thickness-tunable magnetic and electronic transport properties of the quasi-two-dimensional van der Waals ferromagnet $\text{Co}_2\text{Mn} > 0.27 < /math>$ with disordered intercalation. Physical Review B, 2023, 107, .		
2827	Seebeck-induced anomalous Nernst effect in van der Waals MnBi_2Te_4 layers. Applied Physics Express, 0, , .	1.1	1
2828	Strikingly reduced critical field in Ti-doped Kagomé $\text{YMn}_6\text{Sn}_5.6\text{Ti}_0.4$ single crystal with large topological Hall effect. Journal of Alloys and Compounds, 2023, 944, 169182.	2.8	2
2829	Quantum transport in topological semimetals under magnetic fields (III). Frontiers of Physics, 2023, 18, .	2.4	2
2830	Anisotropic magneto-transport behavior in a hexagonal ferromagnetic EuCuP single crystal. Journal of Alloys and Compounds, 2023, 947, 169620.	2.8	3
2831	Conducting Multiferroics. Journal of the Physical Society of Japan, 2023, 92, .	0.7	1
2832	Chiral photocurrent in a Quasi-1D TiS_3 (001) phototransistor. Journal of Physics Condensed Matter, 2023, 35, 124003.	0.7	0
2833	Disentanglement of intrinsic and extrinsic side-jump scattering induced spin Hall effect in N-implanted Pt. Physical Review B, 2023, 107, .	1.1	4
2834	Breakdown of the scaling relation of anomalous Hall effect in Kondo lattice ferromagnet USbTe . Nature Communications, 2023, 14, .	5.8	5
2835	Quantum-Hall physics and three dimensions. Reports on Progress in Physics, 2023, 86, 044501.	8.1	3

#	ARTICLE	IF	CITATIONS
2836	Recent progress on the planar Hall effect in quantum materials. Chinese Physics B, 2023, 32, 047203.	0.7	2
2837	Observation of long-range orbital transport and giant orbital torque. Communications Physics, 2023, 6, .	2.0	30
2838	Electrically controlled superconductor-to-failed insulator transition and giant anomalous Hall effect in kagome metal CsV ₃ Sb ₅ nanoflakes. Nature Communications, 2023, 14, .	5.8	11
2839	Seebeck-driven transverse thermoelectric generation in magnetic hybrid bulk materials. Applied Physics Letters, 2023, 122, .	1.5	4
2840	Anomalous Hall effect and two-dimensional Fermi surfaces in the charge-density-wave state of kagome metal RbV ₃ Sb ₅ . JPhys Materials, 2023, 6, 02LT01.	1.8	5
2841	Pressure-tuning domain-wall chirality in noncentrosymmetric magnetic Weyl semimetal CeAlGe. Science China: Physics, Mechanics and Astronomy, 2023, 66, .	2.0	6
2842	Intrinsic layer-polarized anomalous Hall effect in bilayer Mn_3Bi . Physical Review B, 2023, 107, .	1.1	3
2843	Third-order intrinsic anomalous Hall effect with generalized semiclassical theory. Physical Review B, 2023, 107, .	1.1	6
2844	Spatial symmetry modulation of planar Hall effect in Weyl semimetals. Physical Review B, 2023, 107, .	1.1	3
2845	Observation of an anomalous Hall effect in single-crystal Mn ₃ Pt. New Journal of Physics, 2023, 25, 023029.	1.2	7
2846	Magnetotransport induced by anomalous Hall effect. Physical Review B, 2023, 107, .	1.1	1
2847	Rashba spin-orbit coupling induced modulation of magnetic anisotropy in canted antiferromagnetic heterostructures. Physical Review B, 2023, 107, .	1.1	5
2848	Large Valley Nernst Effect in Twisted Multilayer Graphene Systems. Chinese Physics B, 0, , .	0.7	0
2849	Effect of chirality imbalance on Hall transport of $PrRhC_2$. Physical Review B, 2023, 107, .	1.1	6
2850	Sputtered terbium iron garnet films with perpendicular magnetic anisotropy for spintronic applications. Journal of Applied Physics, 2023, 133, .	1.1	6
2851	Dephasing effect promotes the appearance of quantized Hall plateaus. New Journal of Physics, 2023, 25, 033001.	1.2	1
2852	Nonlinear Hall effect in monolayer phosphorene with broken inversion symmetry. Journal of Physics Condensed Matter, 2023, 35, 165701.	0.7	3
2853	Field-Effect Tunneling between Quantum Valley Hall Edge States and Topological Transistors Based on Bilayer Graphene. Physical Review Applied, 2023, 19, .	1.5	3

#	ARTICLE	IF	CITATIONS
2854	Anomalous Hall effect of facing-target sputtered Fe ₃ Sn epitaxial film. Journal Physics D: Applied Physics, 2023, 56, 145301.	1.3	0
2855	Discovery of Topological Magnetic Textures near Room Temperature in Quantum Magnet TbMn ₆ Sn ₆ . Advanced Materials, 2023, 35, .	11.1	3
2856	Anomalous chiral magnetic effect in time reversal symmetry breaking Weyl semimetals. Physical Review B, 2023, 107, .	1.1	0
2857	Magnetic and transport properties of electron doped EuTiO ₃ thin films with La ³⁺ (4f ⁷) or Gd ³⁺ (4f ⁷) donors grown by gas source molecular beam epitaxy. APL Materials, 2023, 11, .	2.2	2
2858	Orbital design of Berry curvature: pinch points and giant dipoles induced by crystal fields. Npj Quantum Materials, 2023, 8, .	1.8	7
2859	Anomalous electrical transport and magnetic skyrmions in Mn-tuned $\text{Co}_{1-x}\text{Mn}_x$ single crystals. Physical Review B, 2023, 107, .	1.9	0
2860	THz Generation from the Topological Nodal Line Semimetal Co ₂ MnGa. ACS Applied Electronic Materials, 2023, 5, 1437-1443.	2.0	2
2861	Enhanced spin-orbit coupling and orbital moment in ferromagnets by electron correlations. Physical Review B, 2023, 107, .	1.1	3
2862	Symmetry-protected difference between spin Hall and anomalous Hall effects of a periodically driven multiorbital metal. Communications Physics, 2023, 6, .	2.0	0
2863	Unraveling the sign reversal of the anomalous Hall effect in ferromagnet/heavy-metal ultrathin films. Physical Review B, 2023, 107, .	1.1	1
2864	Sign change of competing contributions to the side jump by impurity, phonon, and magnon scattering. Physical Review B, 2023, 107, .	1.1	3
2865	Designing spin and orbital sources of Berry curvature at oxide interfaces. Nature Materials, 2023, 22, 576-582.	13.3	15
2866	Nanophotonics of microcavity exciton-polaritons. Applied Physics Reviews, 2023, 10, .	5.5	5
2867	Spontaneous spin momentum locking and anomalous Hall effect in BiFeO_3 . Physical Review B, 2023, 107, .	1.1	0
2868	Carrier and thickness mediated ferromagnetism in chiral magnet Mn _{1/3} TaS ₂ nanoflakes. Journal of Applied Physics, 2023, 133, .	1.1	1
2869	Low-Cost Instrument for the Versatile Measurement of Spin Caloritronic Phenomena: Spin Seebeck Effect, Anisotropic Magnetoresistance, Anomalous Hall Effect, and Anomalous Nernst Effect. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	2.4	2
2870	Thermal characterization for quantum materials. Journal of Applied Physics, 2023, 133, .	1.1	1
2871	Topological insulators. , 2024, , 690-699.		0

#	ARTICLE	IF	CITATIONS
2872	Intrinsic Nonlinear Planar Hall Effect. <i>Physical Review Letters</i> , 2023, 130, .	2.9	11
2873	Field-linear anomalous Hall effect and Berry curvature induced by spin chirality in the kagome antiferromagnet Mn_3Sn . <i>Nature Communications</i> , 2023, 14, .	5.8	11
2874	Evidence for surface spin structures from first order reversal curves in Co_3Sn . <i>Physical Review B</i> , 2023, 107, .	1.0	2
2875	Polaron-induced local spin texture and anomalous Hall effect in the quadrilateral prism-shaped nanotube with Rashba and Dresselhaus spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2023, 35, 255401.	0.7	0
2876	Field-tunable Weyl points and large anomalous Hall effect in the degenerate magnetic semiconductor EuMg_2Bi . <i>Physical Review B</i> , 2023, 107, .	1.1	2
2877	Electrical transport under extreme conditions in the spin-ladder antiferromagnet TaFe_3 . <i>Physical Review B</i> , 2023, 107, .	1.1	2
2878	Nodal-line and triple point fermion induced anomalous Hall effect in the topological Heusler compound Co_2CrGa . <i>Physical Review B</i> , 2023, 107, .	1.1	7
2879	Ultrafast Dynamics of Intrinsic Anomalous Hall Effect in the Topological Antiferromagnet Mn_3Sn . <i>Physical Review Letters</i> , 2023, 130, .	2.9	6
2880	Triple-Q partial magnetic orders induced by quadrupolar interactions: Triforce order scenario for UNi_4B . <i>Physical Review B</i> , 2023, 107, .	1.1	4
2881	Atomic Displacements Enabling the Observation of the Anomalous Hall Effect in a Noncollinear Antiferromagnet. <i>Advanced Materials</i> , 2023, 35, .	11.1	6
2882	Kagome Lattice Promotes Chiral Spin Fluctuations. <i>Physical Review Letters</i> , 2023, 130, .	2.9	4
2883	Giant Magnetochiral Anisotropy in Weyl Semimetal WTe_2 Induced by Diverging Berry Curvature. <i>Physical Review Letters</i> , 2023, 130, .	2.9	3
2884	Uniaxial magnetic anisotropy and anomalous Hall effect in the ferromagnetic compound PrMn_2O_7 . <i>Physical Review B</i> , 2023, 107, .	1.1	2
2885	Microscopic mechanism for intrinsic nonlinear anomalous Hall conductivity in noncollinear antiferromagnetic metals. <i>Physical Review B</i> , 2023, 107, .	1.1	8
2886	Spin Orbit Torque Based Devices: Concepts, Progress, and Perspectives. , 2023, , 650-665.		0
2887	Time-reversal even charge hall effect from twisted interface coupling. <i>Nature Communications</i> , 2023, 14, .	5.8	8
2888	Reversible phase transformation and comprehensive phase diagram in $\text{SrCo}_2\text{O}_{2.5}$ with the electric. <i>Physical Review Materials</i> , 2023, 7, .	0.9	0
2890	Direct evidence of terahertz emission arising from anomalous Hall effect. <i>Scientific Reports</i> , 2023, 13, .	1.6	6

#	ARTICLE	IF	CITATIONS
2891	Prediction of wide-gap topological insulating phase in metastable BiTeI. Applied Physics Express, 0, , .	1.1	0
2892	Topological linear magnetoresistivity and thermoconductivity induced by noncentrosymmetric Berry curvature. Physical Review B, 2023, 107, .	1.1	0
2893	Nonmonotonic anomalous Hall effect and anisotropic magnetoresistance in $\text{SrRuO}_3/\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3$ heterostructures. Chinese Physics B, 0, , .	0.7	0
2894	Quantum kinetic theory of nonlinear optical currents: Finite Fermi surface and Fermi sea contributions. Physical Review B, 2023, 107, .	1.1	4
2895	Extraordinary Hall effect of sputtered amorphous ferrimagnetic GdFeCo alloy films. Materials Today Communications, 2023, 35, 106023.	0.9	0
2896	In-Plane Anomalous Hall Effect in PT -Symmetric Antiferromagnetic Materials. Physical Review Letters, 2023, 130, .	2.9	13
2897	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
2898	Large intrinsic anomalous Hall effect in both Nb_2 and Ta_2 with collinear antiferromagnetism. Physical Review B, 2023, 107, .	1.1	2
2899	Nontrivial spin textures induced remarkable topological Hall effect and extraordinary magnetoresistance in kagome magnet TmMn_6Sn_6 . Surfaces and Interfaces, 2023, 39, 102866.	1.5	1
2908	Gate-Tunable Multiband Transport in ZrTe_5 Thin Devices. Nano Letters, 2023, 23, 5334-5341.	4.5	2
2922	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
2923	Infrared Magneto-optical Kerr Effect Measurements by Polarization Modulation Method in Anisotropic Magnets. , 2023, , .		0
2935	Rare Earth "Earth's" Cobalt "Boron Compounds. , 2023, , 211-376.		0
2955	An anomalous Hall effect in edge-bonded monolayer graphene. Nanoscale Horizons, 2023, 8, 1235-1242.	4.1	2
2964	Flexible Magnetic Sensor Based on Fe_3O_4 /Mica Heterostructure. , 2022, , .		0
2973	Layer Hall Effect in Multiferroic Two-Dimensional Materials. Nano Letters, 2023, 23, 5367-5372.	4.5	10
2989	Topological Phenomena in Spin Systems: Textures and Waves. , 0, , .		1
3014	Ferromagnetism in sp^2 carbon. Nano Research, 2023, 16, 12883-12900.	5.8	0

#	ARTICLE	IF	CITATIONS
3025	Observation of Termination-Dependent Topological Connectivity in a Magnetic Weyl Kagome Lattice. Nano Letters, 0, , .	4.5	0
3030	The superconducting diode effect. Nature Reviews Physics, 2023, 5, 558-577.	11.9	11
3061	Magnetic materials prediction, high through put, artificial intelligence versus materials intuition. , 2023, , .		0
3062	Crystal Direction Dependences of Anisotropic Magnetoresistance Effects in Co ₂ MnGa and Co ₂ MnAl Heusler Alloy Epitaxial Thin Films. , 2023, , .		0
3063	Magnetotransport properties of Mn ₂ CoSb. , 2023, , .		0
3064	Magneto-transport properties and magnetization switching in perpendicular magnetized Mn-rich Heusler alloy Mn _{2.5} CoAl. , 2023, , .		0
3091	Rare-earth kagomÃ© lattice materials. Fundamental Theories of Physics, 2023, , 247-280.	0.1	0
3114	Recent advances in two-dimensional intrinsic ferromagnetic materials Fe ₃ X (X=Ge and Ga)Te ₂ and their heterostructures for spintronics. Nanoscale, 0, , .	2.8	0
3120	First-principles study of anomalous nernst effect in 2D ferromagnetic CrP. AIP Conference Proceedings, 2023, , .	0.3	0
3141	Trompe Lâ€™oeil Ferromagnetismâ€™magnetic point group analysis. Npj Quantum Materials, 2023, 8, .	1.8	2
3209	Considerations of nonreciprocity in electrical and optical systems. , 2024, , 245-291.		0
3210	Exploring new avenues for the manifestation of reciprocal phenomena. , 2024, , 343-396.		0