

Yoshi Tokura

List of Publications by Year in descending order

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Version: 2024-02-01

1,610
papers

144,071
citations

107

169
h-index

161

331
g-index

1647
all docs

1647
docs citations

1647
times ranked

45585
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Order and Sign of the Dzyaloshinskii-Moriya Interaction in 2-D Antiferromagnet $\text{Ba}_2\text{CoGe}_2\text{O}_7$ Under Applied Magnetic Field. IEEE Transactions on Magnetism, 2022, 58, 1-5.	1.2	6
2	Direct visualization of the three-dimensional shape of skyrmion strings in a noncentrosymmetric magnet. Nature Materials, 2022, 21, 181-187.	13.3	37
3	Ferroelectric charge-transfer complexes. , 2022, , 7-46.		1
4	Doping Control of Magnetic Anisotropy for Stable Antiskyrmion Formation in Schreibersite $(\text{Fe,Ni})_3\text{P}$ with S_4 symmetry. Advanced Materials, 2022, 34, e2108770.	11.1	15
5	Field-induced multiple metal-insulator crossovers of correlated Dirac electrons of perovskite CaIrO_3 . Npj Quantum Materials, 2022, 7, .	1.8	4
6	Geometrically stabilized skyrmionic vortex in FeGe tetrahedral nanoparticles. Nature Materials, 2022, 21, 305-310.	13.3	11
7	Hydrogen-bonded organic molecular ferroelectrics/antiferroelectrics. , 2022, , 47-84.		3
8	Enhancement of anomalous Hall effect in epitaxial thin films of intrinsic magnetic topological insulator MnBi_2Te_4 with Fermi-level tuning. Applied Physics Letters, 2022, 120, .	1.5	9
9	Zoology of Multiple Q Spin Textures in a Centrosymmetric Tetragonal Magnet with Itinerant Electrons. Advanced Science, 2022, 9, e2105452.	5.6	42
10	Experimental signature of the parity anomaly in a semi-magnetic topological insulator. Nature Physics, 2022, 18, 390-394.	6.5	45
11	Role of Spin-spiral Period for Anomalous Magnetic-Field-Induced Spectral Variation of Electromagnon Resonance in Multiferroic $\text{Ba}_2\text{Mg}_2\text{Fe}_{12}\text{O}_{22}$. Journal of the Physical Society of Japan, 2022, 91, .	0.7	0
12	Topological spintronics and magnetoelectronics. Nature Materials, 2022, 21, 15-23.	13.3	101
13	Photovoltaic effect by soft phonon excitation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122313119.	3.3	7
14	Square and rhombic lattices of magnetic skyrmions in a centrosymmetric binary compound. Nature Communications, 2022, 13, 1472.	5.8	65
15	Detection of Topological Spin Textures via Nonlinear Magnetic Responses. Nano Letters, 2022, 22, 14-21.	4.5	3
16	Quantum anomalous Hall effect with a permanent magnet defines a quantum resistance standard. Nature Physics, 2022, 18, 25-29.	6.5	31
17	Experimental signatures of a versatile Weyl semimetal in a pyrochlore iridate with spin-ice-like magnetic orders. Physical Review B, 2022, 105, .	1.1	4
18	Spin wave stiffness and damping in a frustrated chiral helimagnet CoMn_2S_4 as measured by small-angle neutron scattering. Physical Review Research, 2022, 4, .	1.3	5

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19	Weyl fermions in SrRuO ₃ detected by Brillouin light scattering. Applied Physics Letters, 2022, 120, .	1.5	2
20	Topological Phase Transitions and Critical Phenomena Associated with Unwinding of Spin Crystals by High Magnetic Fields. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
21	Magnetic Skyrmion Materials. Chemical Reviews, 2021, 121, 2857-2897.	23.0	292
22	Room-temperature antiskyrmions and sawtooth surface textures in a non-centrosymmetric magnet with S ₄ symmetry. Nature Materials, 2021, 20, 335-340.	13.3	55
23	Signature of anisotropic exchange interaction revealed by vector-field control of the helical order in a FeGe thin plate. Physical Review Research, 2021, 3, .	1.3	9
24	Kinetic pathway facilitated by a phase competition to achieve a metastable electronic phase. Physical Review B, 2021, 103, .	1.1	6
25	Heteroepitaxial growth of wide bandgap cuprous iodide films exhibiting clear free-exciton emission. Applied Physics Letters, 2021, 118, .	1.5	10
26	Giant anomalous Hall effect from spin-chirality scattering in a chiral magnet. Nature Communications, 2021, 12, 317.	5.8	40
27	Geometrical Hall effect and momentum-space Berry curvature from spin-reversed band pairs. Physical Review B, 2021, 103, .	1.1	8
28	Nanometric skyrmion lattice from anisotropic exchange interactions in a centrosymmetric host. New Journal of Physics, 2021, 23, 023039.	1.2	50
29	Nonreciprocity of spin waves in the conical helix state. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
30	Direct Observation of Cycloidal Spin Modulation and Field-induced Transition in NÅ©el-type Skyrmion-hosting VOSe ₂ O ₅ . Journal of the Physical Society of Japan, 2021, 90, 024705.	0.7	12
31	Current-induced switching of proximity-induced ferromagnetic surface states in a topological insulator. Nature Communications, 2021, 12, 1404.	5.8	47
32	Frustration-driven magnetic fluctuations as the origin of the low-temperature skyrmion phase in Co ₇ Zn ₇ Mn ₆ . Npj Quantum Materials, 2021, 6, .	1.8	16
33	Nonreciprocal second harmonic generation in a magnetoelectric material. Science Advances, 2021, 7, .	4.7	15
34	Electric field control of natural optical activity in a multiferroic helimagnet. Science, 2021, 372, 496-500.	6.0	19
35	Fully filling-controlled pyrochlore ruthenates: Emergent ferromagnetic-metal state and geometrical Hall effect. Physical Review B, 2021, 103, .	1.1	2
36	Interconversion of multiferroic domains and domain walls. Nature Communications, 2021, 12, 2755.	5.8	14

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37	Enhanced electrical magnetochiral effect by spin-hedgehog lattice structural transition. Physical Review B, 2021, 103, .	1.1	2
38	Nano-to-micro spatiotemporal imaging of magnetic skyrmion's life cycle. Science Advances, 2021, 7, .	4.7	21
39	Imaging the formation and surface phase separation of the CE phase. Npj Quantum Materials, 2021, 6, .	1.8	5
40	Terahertz emission spectroscopy of ultrafast exciton shift current in the noncentrosymmetric semiconductor CdS. Physical Review B, 2021, 103, .	1.1	9
41	Current-driven Dynamics of Magnetic Skyrmion Bunches. Microscopy and Microanalysis, 2021, 27, 382-383.	0.2	0
42	Vital role of magnetocrystalline anisotropy in cubic chiral skyrmion hosts. Npj Quantum Materials, 2021, 6, .	1.8	21
43	Spin dynamics study and experimental realization of tunable single-ion anisotropy in multiferroic Ba_2O_7 under external magnetic fields. Physical Review B, 2021, 104, .		
44	Robust noncoplanar magnetism in band-filling-tuned $(\text{Nd}_{1-x}\text{Ca}_x)_2\text{Mo}_2\text{O}_7$. Physical Review B, 2021, 104, .	1.1	1
45	Current-induced magnetization switching at charge-transferred interface between topological insulator $(\text{Bi,Sb})_2\text{Te}_3$ and van der Waals ferromagnet Fe_3GeTe_2 . Applied Physics Letters, 2021, 119, .	1.5	13
46	Author Correction: Vital role of magnetocrystalline anisotropy in cubic chiral skyrmion hosts. Npj Quantum Materials, 2021, 6, .	1.8	3
47	Switching of antiferromagnetic states in LiCoPO_4 as investigated via the magnetoelectric effect. Physical Review B, 2021, 104, .		
48	Real-space observations of 60-nm skyrmion dynamics in an insulating magnet under low heat flow. Nature Communications, 2021, 12, 5079.	5.8	27
49	Large Hall and Nernst responses from thermally induced spin chirality in a spin-trimer ferromagnet. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
50	Emergent electromagnetic induction beyond room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
51	Topological defect-mediated skyrmion annihilation in three dimensions. Communications Physics, 2021, 4, .	2.0	16
52	Variation of charge dynamics upon antiferromagnetic transitions in the Dirac semimetal EuMnBi_2 . Physical Review B, 2021, 104, .		
53	Real-Space Observation of Emergent Complexity of Phase Evolution in Micrometer-Sized IrTe_2 Crystals. Physical Review Letters, 2021, 127, 145701.	2.9	5
54	Alloying-induced enhancement of thermopower in the Dirac-semimetal system Cd_3As_2 . Physical Review Materials, 2021, 5, .		

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55	Versatile electronic states in epitaxial thin films of (Sn-Pb-In)Te: From topological crystalline insulator and polar semimetal to superconductor. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
56	Coupling microwave photons to topological spin textures in Cu_2O . <i>Physical Review B</i> , 2021, 104, .		
57	Tunable giant negative thermal expansion in Ti_2O_3 -based polycrystalline materials. <i>Applied Physics Express</i> , 2021, 14, 107001.	1.1	9
58	In-plane Magnetic Field-Driven Creation and Annihilation of Magnetic Skyrmion Strings in Nanostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2008521.	7.8	13
59	Dirac polaron dynamics in the correlated semimetal of perovskite CaIrO_3 . <i>Physical Review B</i> , 2021, 103, .		
60	Suppressed incommensurate order in swedenborgite $\text{Ca}_{0.5}\text{Y}_{0.5}\text{BaCo}_4\text{O}_7$. <i>Physical Review B</i> , 2021, 104, .	1.1	4
61	In-situ Electric-Field Control of THz Nonreciprocal Directional Dichroism in the Multiferroic $\text{Ba}_2\text{CoGe}_2\text{O}_7$. <i>Physical Review Letters</i> , 2021, 127, 157201.	2.9	3
62	Writing of strain-controlled multiferroic ribbons into MnWO_4 . <i>Nature Communications</i> , 2021, 12, 6199.	5.8	2
63	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
64	Hybridized magnon modes in the quenched skyrmion crystal. <i>Physical Review B</i> , 2021, 104, .	1.1	7
65	Berry curvature generation detected by Nernst responses in ferroelectric Weyl semimetal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
66	Dislocation-Driven Relaxation Processes at the Conical to Helical Phase Transition in FeGe . <i>ACS Nano</i> , 2021, . .	7.3	0
67	Weyl fermions promote collective magnetism. <i>Nature Materials</i> , 2021, 20, 1592-1593.	13.3	1
68	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
69	Dynamic transition of current-driven single-skyrmion motion in a room-temperature chiral-lattice magnet. <i>Nature Communications</i> , 2021, 12, 6797.	5.8	26
70	Enhanced gyrotropic birefringence and natural optical activity on electromagnon resonance in a helimagnet. <i>Nature Communications</i> , 2021, 12, 6674.	5.8	6
71	Molecular beam epitaxy of two-dimensional semiconductor BiI_3 films exhibiting sharp exciton absorption. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	2
72	Floating zone furnace equipped with a high power laser of 1kW composed of five smart beams. <i>Journal of Crystal Growth</i> , 2020, 533, 125435.	0.7	20

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73	Spectral weight reduction of two-dimensional electron gases at oxide surfaces across the ferroelectric transition. <i>Scientific Reports</i> , 2020, 10, 16834.	1.6	1
74	Giant magneto-optical responses in magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Nature Communications</i> , 2020, 11, 4619.	5.8	92
75	Bloch Lines Constituting Antiskyrmions Captured via Differential Phase Contrast. <i>Advanced Materials</i> , 2020, 32, e2004206.	11.1	21
76	Emergent electromagnetic induction in a helical-spin magnet. <i>Nature</i> , 2020, 586, 232-236.	13.7	60
77	Large non-reciprocal charge transport mediated by quantum anomalous Hall edge states. <i>Nature Nanotechnology</i> , 2020, 15, 831-835.	15.6	20
78	Metastable solitonic states in the strained itinerant helimagnet FeGe. <i>Physical Review B</i> , 2020, 102, .	1.1	7
79	Current scaling of the topological quantum phase transition between a quantum anomalous Hall insulator and a trivial insulator. <i>Physical Review B</i> , 2020, 102, .	1.1	10
80	Mott-Hubbard gaps and their doping-induced collapse in strongly correlated pyrochlore ruthenates. <i>Physical Review B</i> , 2020, 102, .	1.1	4
81	Particle-size dependent structural transformation of skyrmion lattice. <i>Nature Communications</i> , 2020, 11, 5685.	5.8	15
82	Defect tolerant zero-bias topological photocurrent in a ferroelectric semiconductor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20411-20415.	3.3	27
83	40 years of the quantum Hall effect. <i>Nature Reviews Physics</i> , 2020, 2, 397-401.	11.9	84
84	Metastable skyrmion lattices governed by magnetic disorder and anisotropy in \hat{I}^2 -Mn-type chiral magnets. <i>Physical Review B</i> , 2020, 102, .	1.1	38
85	Topological Nernst Effect of the Two-Dimensional Skyrmion Lattice. <i>Physical Review Letters</i> , 2020, 125, 076602.	2.9	55
86	Combining the helical phase of chiral magnets with electric currents. <i>Physical Review B</i> , 2020, 102, .	1.1	14
87	Real-Space Observation of Topological Defects in Extended Skyrmion-Strings. <i>Nano Letters</i> , 2020, 20, 7313-7320.	4.5	26
88	Direct Observation of the Statics and Dynamics of Emergent Magnetic Monopoles in a Chiral Magnet. <i>Physical Review Letters</i> , 2020, 125, 137202.	2.9	34
89	Topological Kagome Magnet Co ₃ Sn ₂ S ₂ Thin Flakes with High Electron Mobility and Large Anomalous Hall Effect. <i>Nano Letters</i> , 2020, 20, 7476-7481.	4.5	54
90	Imaging the coupling between itinerant electrons and localised moments in the centrosymmetric skyrmion magnet GdRu ₂ Si ₂ . <i>Nature Communications</i> , 2020, 11, 5925.	5.8	75

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91	Structural analysis of high-pressure phase for skyrmion-hosting multiferroic $\text{CuMn}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2020, 102, .	1.2	0
92	Quantitative Measurement of Topological Spin Textures via Differential Phase Contrast. Microscopy and Microanalysis, 2020, 26, 614-616.	0.2	0
93	Nanometric square skyrmion lattice in a centrosymmetric tetragonal magnet. Nature Nanotechnology, 2020, 15, 444-449.	15.6	192
94	Molecular beam epitaxy of high-quality CuI thin films on a low temperature grown buffer layer. Applied Physics Letters, 2020, 116, .	1.5	29
95	Anisotropic Quantum Transport through a Single Spin Channel in the Magnetic Semiconductor EuTiO_3 . Advanced Materials, 2020, 32, e1908315.	11.1	13
96	Decoupling spin-orbital correlations in a layered manganite amidst ultrafast hybridized charge-transfer band excitation. Physical Review B, 2020, 101, .	1.1	3
97	High-field depinned phase and planar Hall effect in the skyrmion host $\text{GdMn}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2020, 101, .	1.2	0
98	Robust Ferromagnetism in Highly Strained SrCoO_3 Thin Films. Physical Review X, 2020, 10, .	2.8	15
99	Non-local photocurrent in a ferroelectric semiconductor SbSI under local photoexcitation. Applied Physics Letters, 2020, 116, .	1.5	9
100	Transport, magnetic and optical properties of Weyl materials. Nature Reviews Materials, 2020, 5, 621-636.	23.3	96
101	Motion tracking of 80-nm-size skyrmions upon directional current injections. Science Advances, 2020, 6, eaaz9744.	4.7	37
102	Precise resistance measurement of quantum anomalous Hall effect in magnetic heterostructure film of topological insulator. Applied Physics Letters, 2020, 116, 143101.	1.5	17
103	Stability of multiferroic phase and magnetization-polarization coupling in YFe_2O_7 -type hexaferrite crystals. Physical Review B, 2020, 101, .	1.1	21
104	Engineering skyrmions and emergent monopoles in topological spin crystals. Applied Physics Letters, 2020, 116, .	1.5	41
105	Growth of visible-light-responsive ferroelectric SbSI thin films by molecular beam epitaxy. Applied Physics Letters, 2020, 116, .	1.5	8
106	Microscopic characterization of the superconducting gap function in $\text{Sn}_1\text{In}_x\text{Te}$. Physical Review B, 2020, 101, .	1.1	0
107	Propagation dynamics of spin excitations along skyrmion strings. Nature Communications, 2020, 11, 256.	5.8	81
108	Characterization of Sr_2RuO_4 Josephson junctions made of epitaxial films. Physical Review B, 2020, 101, .	2.1	0

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109	Controlled transformation of skyrmions and antiskyrmions in a non-centrosymmetric magnet. Nature Nanotechnology, 2020, 15, 181-186.	15.6	110
110	Nonlocal accumulation, chemical potential, and Hall effect of skyrmions in Pt/Co/Ir heterostructure. Scientific Reports, 2020, 10, 1009.	1.6	10
111	Evolution of Electronic States and Emergence of Superconductivity in the Polar Semiconductor GeTe by Doping Valence-Skipping Indium. Physical Review Letters, 2020, 124, 047002.	2.9	14
112	The 2020 skyrmionics roadmap. Journal Physics D: Applied Physics, 2020, 53, 363001.	1.3	245
113	Emergent topological spin structures in the centrosymmetric cubic perovskite SrFeO_{3-x} . Physical Review B, 2020, 101, .	0.9	0
114	Antiferromagnetic fluctuations and charge carrier localization in ferromagnetic bilayer manganites: electrical resistivity scales exponentially with short-range order controlled by temperature and magnetic field. Journal of Physics Condensed Matter, 2020, 32, 374013.	0.7	0
115	Mode locking phenomena of the current-induced skyrmion-lattice motion in microfabricated MnSi. Physical Review B, 2020, 102, .	1.1	6
116	Evolution of possible Weyl semimetal states across the Mott transition in pyrochlore iridates induced by hole doping. Physical Review B, 2020, 102, .	1.1	6
117	Determination of crystallographic chirality of MnSi thin film grown on Si (111) substrate. Physical Review Materials, 2020, 4, .	0.9	9
118	Structural, magnetic, transport, and thermoelectric properties of the pseudobrookite AlTi_2O_5 system. Physical Review Materials, 2020, 4, .	0.9	11
119	Highly tunable topological system based on PbTe-SnTe binary alloy. Physical Review Materials, 2020, 4, .	0.9	11
120	Collapse of the simple localized 3d1 orbital picture in Mott insulator. Physical Review Research, 2020, 2, .	1.3	9
121	Monoclinic semimetal IrSi synthesized under high pressure above 25 GPa: Crystal structure, electronic, and magnetic properties. Physical Review Materials, 2020, 4, .	0.9	1
122	Gyrotropic birefringence via electromagnon resonance in a multiferroic of spin origin. Physical Review Research, 2020, 2, .	1.3	4
123	Crystallization of magnetic skyrmions in MnSi investigated by neutron spin echo spectroscopy. Physical Review Research, 2020, 2, .	1.3	4
124	Ferroelectric atomic displacement in multiferroic tetragonal perovskite $\text{Sr}_2\text{Mn}_2\text{Ti}_2\text{O}_{10}$. Physical Review Research, 2020, 2, .	1.3	4
125	Molecular beam epitaxy of superconducting $\text{Sn}_x\text{Pb}_{1-x}$ thin films. Physical Review Materials, 2020, 4, .	0.9	1
126	Skyrmion lattice with a giant topological Hall effect in a frustrated triangular-lattice magnet. Science, 2019, 365, 914-918.	6.0	418

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127	Correlation between site occupancies and spin-glass transition in skyrmion host $\text{Co}_{1-x}\text{Zn}_x$. Physical Review B, 2019, 100, .	2.2	22
128	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. Communications Physics, 2019, 2, .	2.0	18
129	Visualization of an axion insulating state at the transition between 2 chiral quantum anomalous Hall states. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14511-14515.	3.3	52
130	Spin excitations of magnetoelectric LiNiPO_4 in multiple magnetic phases. Physical Review B, 2019, 100, .	1.1	11
131	Increased lifetime of metastable skyrmions by controlled doping. Physical Review B, 2019, 100, .	1.1	32
132	Large Anomalous Hall Effect in Topological Insulators with Proximitized Ferromagnetic Insulators. Physical Review Letters, 2019, 123, 016804.	2.9	79
133	Electron Holography and Magnetotransport Measurements Reveal Stabilized Magnetic Skyrmions in FeCoSi Nanowires. ACS Nano, 2019, 13, 7833-7841.	7.3	20
134	Magnetoelectric spectroscopy of spin excitations in LiCoPO_4 . Physical Review B, 2019, 100, .	1.1	5
135	Nonequilibrium skyrmion accumulation induced by direct current in Ir/Co/Pt heterostructure. Applied Physics Express, 2019, 12, 073002.	1.1	8
136	In-Plane Magnetic Field Evaluation with 0.47-nm Resolution by Aberration-Corrected 1.2-MV Holography Electron Microscope. Microscopy and Microanalysis, 2019, 25, 54-55.	0.2	2
137	Real-Space Observation of a Transformation from Antiskyrmion to Skyrmion by Lorentz TEM. Microscopy and Microanalysis, 2019, 25, 1840-1841.	0.2	6
138	Emergent charge order near the doping-induced Mott-insulating quantum phase transition in $\text{Sr}_3\text{Ru}_2\text{O}_7$. Communications Physics, 2019, 2, .	2.0	8
139	Strain-engineering of charge transport in the correlated Dirac semimetal of perovskite CaIrO_3 thin films. APL Materials, 2019, 7, .	2.2	11
140	Quantum anomalous Hall effect driven by magnetic proximity coupling in all-telluride based heterostructure. Applied Physics Letters, 2019, 115, .	1.5	67
141	Slow steady flow of a skyrmion lattice in a confined geometry probed by narrow-band resistance noise. Physical Review B, 2019, 100, .	1.1	16
142	Picosecond Creation of Switchable Optomagnets from a Polar Antiferromagnet with Giant Photoinduced Kerr Rotations. Physical Review X, 2019, 9, .	2.8	9
143	Band engineering, carrier density control, and enhanced thermoelectric performance in multi-doped SnTe . APL Materials, 2019, 7, .	2.2	14
144	Phonon anomalies in pyrochlore iridates studied by Raman spectroscopy. Physical Review B, 2019, 100, .	1.1	23

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145	Magnetic topological insulators. Nature Reviews Physics, 2019, 1, 126-143.	11.9	636
146	Strong-correlation induced high-mobility electrons in Dirac semimetal of perovskite oxide. Nature Communications, 2019, 10, 362.	5.8	59
147	Spectral dynamics of shift current in ferroelectric semiconductor SbSI. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1929-1933.	3.3	79
148	Nonreciprocal charge transport at topological insulator/superconductor interface. Nature Communications, 2019, 10, 2734.	5.8	72
149	Anomalous enhancement of upper critical field in Sr_2CuO_2 thin films. Physical Review B, 2019, 99, .		
150	Ultrafast spectroscopy of shift-current in ferroelectric semiconductor $\text{Sn}_2\text{P}_2\text{S}_6$. Applied Physics Letters, 2019, 114, .	1.5	18
151	Magnetization-polarization cross-control near room temperature in hexaferrite single crystals. Nature Communications, 2019, 10, 1247.	5.8	51
152	Topological transitions among skyrmion- and hedgehog-lattice states in cubic chiral magnets. Nature Communications, 2019, 10, 1059.	5.8	112
153	Disentangling transient charge order from structural dynamics contributions during coherent atomic motion studied by ultrafast resonant x-ray diffraction. Physical Review B, 2019, 99, .	1.1	7
154	Enhanced thermopower in the correlated semimetallic phase of hole-doped pyrochlore iridates. Physical Review B, 2019, 99, .	1.1	9
155	Element-specific soft x-ray spectroscopy, scattering, and imaging studies of the skyrmion-hosting compound Co_3S_8 . Physical Review B, 2019, 99, .	1.1	29
156	Phonon Magnetochiral Effect. Physical Review Letters, 2019, 122, 145901.	2.9	61
157	Magnon-photon coupling in the noncollinear magnetic insulator Cu_2OSeO_3 . Physical Review Letters, 2019, 122, 057202.	1.1	16
158	Microwave Directional Dichroism Resonant with Spin Excitations in the Polar Ferromagnet GaV_4S_8 . Physical Review Letters, 2019, 122, 057202.	1.1	12
159	Limits of validity of the Rashba model in BiTeI: High-field magneto-optical study. Physical Review B, 2019, 100, .	1.1	1
160	Skyrmion phase and competing magnetic orders on a breathing kagomé lattice. Nature Communications, 2019, 10, 5831.	5.8	214
161	Large Variation of Dirac Semimetal State in Perovskite CaIrO_3 with Pressure-Tuning of Electron Correlation. Physical Review Letters, 2019, 123, 216601.	2.9	19
162	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	1.1	9

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163	Directional dichroism in the paramagnetic state of multiferroics: A case study of infrared light absorption in Sr ₂ CoSi ₂ O ₇ at high temperatures. Physical Review B, 2019, 99, .	1.1	12
164	Topological domain walls in helimagnets. Nature Physics, 2018, 14, 465-468.	6.5	47
165	Electromagnon Resonance at Room Temperature with Gigantic Magnetochromism. Physical Review Applied, 2018, 9, .	1.5	6
166	Large magneto-thermopower in MnGe with topological spin texture. Nature Communications, 2018, 9, 408.	5.8	36
167	Electric-field control of anomalous and topological Hall effects in oxide bilayer thin films. Nature Communications, 2018, 9, 213.	5.8	152
168	Photoinduced transitions in magnetoresistive manganites: A comprehensive view. Physical Review B, 2018, 97, .	1.1	14
169	Size effects on supercooling phenomena in strongly correlated electron systems: IrTe_2 and IrTe_3 . Physical Review B, 2018, 97, .	1.1	8
170	Current-Driven Motion of Domain Boundaries between Skyrmion Lattice and Helical Magnetic Structure. Nano Letters, 2018, 18, 929-933.	4.5	15
171	Low-Field Bi-Skyrmion Formation in a Noncentrosymmetric Chimney Ladder Ferromagnet. Physical Review Letters, 2018, 120, 037203.	2.9	25
172	Strong magneto-optical effects in Cr_2O_3 . Physical Review B, 2018, 97, .	1.1	12
173	Multiple- <i>q</i> noncollinear magnetism in an itinerant hexagonal magnet. Science Advances, 2018, 4, eaau3402.	4.7	47
174	Charge Dynamics and Metal-Insulator Transition in Perovskite $\text{Sr}_{1-x}\text{Sn}_x\text{O}_3$. Journal of the Physical Society of Japan, 2018, 87, 123706.	0.7	3
175	Transformation between meron and skyrmion topological spin textures in a chiral magnet. Nature, 2018, 564, 95-98.	13.7	274
176	Impact of electrodes on the extraction of shift current from a ferroelectric semiconductor SbSI. Applied Physics Letters, 2018, 113, .	1.5	30
177	Current-driven magnetization switching in ferromagnetic bulk Rashba semiconductor (Ge,Mn)Te. Science Advances, 2018, 4, eaat9989.	4.7	28
178	Kinetic approach to superconductivity hidden behind a competing order. Science Advances, 2018, 4, eaau3489.	4.7	21
179	Selective probe of coherent polar phonon and quasiferromagnetic resonance modes in multiferroic GdFeO_3 . Physical Review B, 2018, 98, .	1.1	11
180	Ferromagnetic insulator $\text{Cr}_2\text{Ge}_2\text{Te}_6$ thin films with perpendicular remanence. APL Materials, 2018, 6, .	2.2	51

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181	Impact of antiferromagnetic order on Landau-level splitting of quasi-two-dimensional Dirac fermions in EuMnBi_2 . Physical Review B, 2018, 98, .	1.1	28
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