

Sang-Wook Cheong

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bi-layer Square Lattice $Tb_2SrAl_2O_7$ with Structural Z_8 Vortices and Magnetic Frustration. Chemistry of Materials, 2022, 34, 1225-1234.	3.2	3
2	Reaching the equilibrium state of the frustrated triangular Ising magnet Ca_3O_6 . Physical Review B, 2022, 105, .	1.1	2
3	Strong laser polarization control of coherent phonon excitation in van der Waals material Fe_3GeTe_2 . Npj 2D Materials and Applications, 2022, 6, .	3.9	5
4	Selective observation of surface and bulk bands in polar WTe_2 by laser-based spin- and angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .	1.1	1
5	Angularly quantized spin rotations in hexagonal $LuMnO_3$. Scientific Reports, 2022, 12, 2424.	1.6	2
6	Magnetic anisotropy of the van der Waals ferromagnet Cr_2S_6 studied by angular-dependent x-ray magnetic circular dichroism. Physical Review Research, 2022, 4, .	2.3	1
7	Vibrational fingerprints of ferroelectric HfO_2 . Npj Quantum Materials, 2022, 7, .	1.8	24
8	Low-loss Tunable Infrared Plasmons in the High-mobility Perovskite $(Ba,Lu)SnO_3$. Small, 2022, 18, e2106897.	5.2	3
9	Nonreciprocal directional dichroism at telecom wavelengths. Npj Quantum Materials, 2022, 7, .	1.8	9
10	Magnetic chirality. Npj Quantum Materials, 2022, 7, .	1.8	21
11	Tunable Single-Atomic Charges on a Cleaved Intercalated Transition Metal Dichalcogenide. Nano Letters, 2022, 22, 1812-1817.	4.5	5
12	Vibrational properties of $CuInP_2S_6$ across the ferroelectric transition. Physical Review B, 2022, 105, .	1.1	14
13	Chiral electronic excitations in the quasi-two-dimensional Rashba system $BiTeI$. Physical Review B, 2022, 105, .	1.1	3
14	Quadrupolar magnetic excitations in an isotropic spin-1 antiferromagnet. Nature Communications, 2022, 13, 2327.	5.8	10
15	Multiple ferroic orders and toroidal magnetoelectricity in the chiral magnet $BaCoSiO_4$. Physical Review B, 2022, 105, .	1.1	1
16	Real-space observation of fluctuating antiferromagnetic domains. Science Advances, 2022, 8, .	4.7	2
17	Long-lifetime spin excitations near domain walls in $1T-TaS_2$. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
18	Phonon decay in $BaSnO_3$ perovskite. Applied Physics Letters, 2022, 120, 232104.	1.5	0

#	ARTICLE	IF	CITATIONS
19	Topologically protected magnetoelectric switching in a multiferroic. Nature, 2022, 607, 81-85.	13.7	20
20	Bulk and surface electronic structure of MnPSe_3 revealed by photoemission and x-ray absorption spectroscopy. Physical Review B, 2022, 106, ..	1.1	5
21	Excitations of Intercalated Metal Monolayers in Transition Metal Dichalcogenides. Nano Letters, 2021, 21, 99-106.	4.5	12
22	Kinetically stabilized ferroelectricity in bulk single-crystalline $\text{HfO}_2\text{:Y}$. Nature Materials, 2021, 20, 826-832.	13.3	114
23	Second-order nonlinear optical and linear ultraviolet-visible absorption properties of the type-II multiferroic candidates $\text{RbFe}_2\text{Mo}_2\text{O}_{10}$ and $\text{RbFe}_2\text{V}_2\text{O}_{10}$. Physical Review B, 2021, 103, 044411.	1.1	5

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37	Crystal-field excitations and vibronic modes in the triangular-lattice spin-liquid candidate TbInO_3 . Physical Review B, 2021, 104, .		
38	Chirality-induced spin texture switching in twisted bilayer graphene. Physical Review B, 2021, 104, .	1.1	5
39	Revealing pressure-driven structural transitions in the hybrid improper ferroelectric Sr_2SnO_7 . Physical Review B, 2021, 104, .	1.1	8
40	The Magneto-transport Properties of $\text{Cr}_{1/3}\text{TaS}_2$ with Chiral Magnetic Solitons. Advanced Electronic Materials, 2021, 7, 2100424.	2.6	18
41	Metastable antiphase boundary ordering in $\text{Ca}_4\text{Fe}_8\text{O}_{14}$. Physical Review B, 2021, 104, .	1.1	8
42	Decay and renormalization of a longitudinal mode in a quasi-two-dimensional antiferromagnet. Nature Communications, 2021, 12, 5331.	5.8	11
43	Field-tunable toroidal moment in a chiral-lattice magnet. Nature Communications, 2021, 12, 5339.	5.8	13
44	Pressure-induced phase transition and phonon softening in $\text{Lu}_0.6\text{Sc}_0.4\text{FeO}_3$. Physical Review B, 2021, 104, .	1.1	5
45	Observation of a topological defect lattice in the charge density wave of 1T-TaS_2 . Applied Physics Letters, 2021, 119, .	1.5	5
46	Helical versus collinear antiferromagnetic order tuned by magnetic anisotropy in polar and chiral $\text{Ni}_2\text{V}_2\text{O}_8$. Physical Review Materials, 2021, 5, .	0.9	5
47	Axion-matter coupling in multiferroics. Physical Review Research, 2021, 3, .	1.3	8
48	Ultrafast Modulations and Detection of a Ferro-Rotational Charge Density Wave Using Time-Resolved Electric Quadrupole Second Harmonic Generation. Physical Review Letters, 2021, 127, 126401.	2.9	9
49	Topological spin/structure couplings in layered chiral magnet $\text{Cr}_{1/3}\text{TaS}_2$: The discovery of spiral magnetic superstructure. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	21
50	From One- to Two-Magnon Excitations in the $\text{S}_3\text{Mg}_2\text{CaCr}_2$ Magnet. Physical Review Letters, 2021, 126, 017201.	2.9	9
51	Colossal angular magnetoresistance in ferrimagnetic nodal-line semiconductors. Nature, 2021, 599, 576-581.	13.7	23
52	Band-Mott mixing hybridizes the gap in Fe_8O_8 . Physical Review B, 2021, 104, .	1.1	8
53	Physical properties of the quasi-two-dimensional square lattice antiferromagnet Ba_2O_7 . Physical Review B, 2021, 104, .	1.1	9
54	Observation of a ferro-rotational order coupled with second-order nonlinear optical fields. Nature Physics, 2020, 16, 42-46.	6.5	56

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55	Dynamics and manipulation of ferroelectric domain walls in bismuth ferrite thin films. National Science Review, 2020, 7, 278-284.	4.6	18
56	Nonlinear soliton confinement in weakly coupled antiferromagnetic spin chains. Physical Review B, 2020, 102, .	1.1	5
57	Absolute crystal and magnetic chiralities in the langasite compound Ba ₃ NbFe ₃ Si ₂ O ₁₄ determined by polarized neutron and x-ray scattering. Physical Review B, 2020, 102, .	1.1	4
58	Spectroscopic and first principle study of complex structural, electronic, and vibrational properties of M_2O_8 $\text{M} = \text{Co, Ni, Mn}$. Physical Review B, 2020, 102, .	1.1	15
59	Strain-sensitive Magnetization Reversal of a van der Waals Magnet. Advanced Materials, 2020, 32, e2004533.	11.1	119
60	Highly Tunable Ferroelectricity in Hybrid Improper Ferroelectric Sr ₃ Sn ₂ O ₇ . Advanced Functional Materials, 2020, 30, 2003623.	7.8	24
61	Stabilization of Competing Ferroelectric Phases of HfO_2 Epitaxial Strain. Physical Review Letters, 2020, 125, 257603.	2.9	46
62	Noncollinear antiferromagnetic order in the buckled honeycomb lattice of magnetoelectric $\text{Co}_4\text{Mn}_9\text{O}_{24}$ determined by single-crystal neutron diffraction. Physical Review B, 2020, 102, .	1.1	1
63	Atomic Scale Tracking of a Charge Order Transition with Continuously Variable Temperature Cryo-STEM. Microscopy and Microanalysis, 2020, 26, 2034-2035.	0.2	0
64	Single-Crystal Growth and Room-Temperature Magnetocaloric Effect of X-Type Hexaferrite Sr ₂ Co ₂ Fe ₂₈ O ₄₆ . Inorganic Chemistry, 2020, 59, 6755-6762.	1.9	11
65	Structurally and chemically compatible BiInSe ₃ substrate for topological insulator thin films. Nano Research, 2020, 13, 2541-2545.	5.8	8
66	Atomic-Scale Observation of Topological Vortices in the Incommensurate Charge Density Wave of 2H-TaSe ₂ . Nano Letters, 2020, 20, 4801-4808.	4.5	3
67	Nonreciprocal directional dichroism of a chiral magnet in the visible range. Npj Quantum Materials, 2020, 5, .	1.8	24
68	Trompe L'oeil Ferromagnetism. Npj Quantum Materials, 2020, 5, .	1.8	21
69	Random singlet state in Ba ₅ Cu ₃ O ₁₂ single crystals. Physical Review B, 2020, 101, .	1.1	6
70	High Resolution S/Transmission Electron Microscopy Investigation of Ca ₃ Mn ₂ O ₇ Phase Transformation under In-situ Heating Condition. Microscopy and Microanalysis, 2019, 25, 1876-1877.	0.2	0
71	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 Ce ₂ Zr ₂ O ₇ pyrochlore. Nature Physics, 2019, 15, 1052-1057.	6.5	92
72	Spin Liquid State and Topological Structural Defects in Hexagonal TbInO_3 . Physical Review X, 2019, 9, .	2.8	14

#	ARTICLE	IF	CITATIONS
73	Spin-liquid-like state in pure and Mn-doped TbInO_3 Nature of the structural symmetries associated with hybrid improper ferroelectricity in TbInO_3		
74	C_3 symmetry and improper ferroelectricity in X_2O_7		

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91	Lattice dynamics of the hybrid improper ferroelectrics $\text{Ca}_{1-x}\text{Mn}_x\text{O}_7$. Physical Review B, 2019, 100, .	1.1	9
92	A New Aspect of the Charged Domain Wall in Hexagonal RMnO ₃ Systems (R: Y, In). Journal of the Physical Society of Japan, 2019, 88, 124603.	0.7	3
93	Laser-diode-heated floating-zone crystal growth of ErVO ₃ . Journal of Crystal Growth, 2019, 507, 406-412.	0.7	5
94	Broken symmetries, non-reciprocity, and multiferroicity. Npj Quantum Materials, 2018, 3, .	1.8	104
95	Studies on the high-temperature ferroelectric transition of multiferroic hexagonal manganite RMnO ₃ . Journal of Physics Condensed Matter, 2018, 30, 105601.	0.7	10
96	High-Temperature Terahertz Optical Diode Effect without Magnetic Order in Polar $\text{FeZnMo}_8\text{O}_{27}$. Physical Review Letters, 2018, 120, 037601.	1.1	36
97	Soft antiphase tilt of oxygen octahedra in the hybrid improper multiferroic $\text{Ca}_{1-x}\text{Mn}_x\text{O}_7$. Physical Review B, 2018, 97, .	1.1	27
98	Topological dynamics of vortex-line networks in hexagonal manganites. Physical Review B, 2018, 97, .	1.1	10
99	Temperature-driven topological transition in 1T'-MoTe ₂ . Npj Quantum Materials, 2018, 3, .	1.8	36
100	Magnetic excitations of the $\text{CuSr}_3\text{O}_{10}$ quantum spin chain in Sr_3O_{10} . Physical Review B, 2018, 97, .	1.1	8
101	Nature and evolution of incommensurate charge order in manganites visualized with cryogenic scanning transmission electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1445-1450.	3.3	68
102	Topological Phase Transition with Nanoscale Inhomogeneity in BiIn_2Se_3 . Nano Letters, 2018, 18, 2677-2682.	4.5	7
103	Soft tilt and rotational modes in the hybrid improper ferroelectric $\text{Ca}_{1-x}\text{Mn}_x\text{O}_7$. Physical Review B, 2018, 97, .	1.1	23
104	Magnetic Spin Correlations in the One-dimensional Frustrated Spin-chain System $\text{Ca}_3\text{Co}_2\text{O}_6$. , 2018, , .		1
105	Trimer bonding states on the surface of the transition-metal dichalcogenide TaTe_2 . Physical Review B, 2018, 98, .	1.1	19
106	Covalency-driven collapse of strong spin-orbit coupling in face-sharing iridium octahedra. Physical Review B, 2018, 98, .	1.1	15
107	Nonreciprocal spin waves in a chiral antiferromagnet without the Dzyaloshinskii-Moriya interaction. Physical Review B, 2018, 98, .	1.1	16
108	Imaging antiferromagnetic antiphase domain boundaries using magnetic Bragg diffraction phase contrast. Nature Communications, 2018, 9, 5013.	5.8	13

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109	Magnetic excitations in the bulk multiferroic two-dimensional triangular lattice antiferromagnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mi>Lu</mml:mi></mml:mrow></mml:mrow></math> Physical Review B, 2018, 98, .	1.1	18
110	High Resolution S/TEM Imaging of High Density Domain Stacking and Coexisting Polar-nonpolar Phases in Layered Perovskite Ca ₃ Mn ₂ O ₇ . Microscopy and Microanalysis, 2018, 24, 1916-1917.	0.2	0
111	High-pressure spectroscopic investigation of multiferroic <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></math> Physical Review B, 2018, 98, .		
112	Vortex ferroelectric domains, large-loop weak ferromagnetic domains, and their decoupling in hexagonal (Lu, Sc)FeO ₃ . Npj Quantum Materials, 2018, 3, .	1.8	50
113	Nonequivalent Spin Exchanges of the Hexagonal Spin Lattice Affecting the Low-Temperature Magnetic Properties of RInO ₃ (R = Gd, Tb, Dy): Importance of Spin-Orbit Coupling for Spin Exchanges between Rare-Earth Cations with Nonzero Orbital Moments. Inorganic Chemistry, 2018, 57, 9260-9265.	1.9	11
114	Patterning-Induced Ferromagnetism of Fe ₃ GeTe ₂ van der Waals Materials beyond Room Temperature. Nano Letters, 2018, 18, 5974-5980.	4.5	177
115	Microwave conductivity of ferroelectric domains and domain walls in a hexagonal rare-earth ferrite. Physical Review B, 2018, 98, .	1.1	16
116	Conductive tail-to-tail domain walls in epitaxial BiFeO ₃ films. Applied Physics Letters, 2018, 113, .	1.5	15
117	Image registration of low signal-to-noise cryo-STEM data. Ultramicroscopy, 2018, 191, 56-65.	0.8	59
118	Laser floating zone growth of improper geometric ferroelectric GdInO ₃ single crystals with Z ₆ topological defects. Journal of Materials Chemistry C, 2018, 6, 7024-7029.	2.7	11
119	Linearly aligned single-chiral vortices in hexagonal manganites by <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="italic">in</mml:mi><mml:mspace width="4pt" /><mml:mi mathvariant="italic">situ</mml:mi></math> electric arc heating. Physical Review Materials, 2018, 2, .	0.9	4
120	Giant magnetoelastic spin-flop with magnetocrystalline instability in La _{1.4} Sr _{1.6} Mn ₂ O ₇ . Physical Review Materials, 2018, 2, .	0.9	1
121	Ultra-low coercive field of improper ferroelectric Ca ₃ Ti ₂ O ₇ epitaxial thin films. Applied Physics Letters, 2017, 110, .	1.5	20
122	Spin glass behavior in frustrated quantum spin system CuAl ₂ O ₄ with a possible orbital liquid state. Journal of Physics Condensed Matter, 2017, 29, 13LT01.	0.7	27
123	Publisher's note. Ultramicroscopy, 2017, 177, 14-19.	0.8	5
124	Far-IR magnetospectroscopy of magnons and electromagnons in <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>TbFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></math> single crystals at low temperatures. Physical Review B, 2017, 95, .	1.1	12
125	Aperiodic topological order in the domain configurations of functional materials. Nature Reviews Materials, 2017, 2, .	23.3	66
126	Spin wave and spin flip in hexagonal LuMnO ₃ single crystal. Applied Physics Letters, 2017, 110, 122405.	1.5	4

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127	Low-energy structural dynamics of ferroelectric domain walls in hexagonal rare-earth manganites. Science Advances, 2017, 3, e1602371.	4.7	52
128	Interrelation between domain structures and polarization switching in hybrid improper ferroelectric Ca ₃ (Mn,Ti)2O ₇ . Applied Physics Letters, 2017, 110, .	1.5	43
129	Electron-beam-induced-current and active secondary-electron voltage-contrast with aberration-corrected electron probes. Ultramicroscopy, 2017, 176, 80-85.	0.8	14
130	Electric field driven evolution of topological domain structure in hexagonal manganites. Physical Review B, 2017, 96, .	1.1	16
131	Hidden Antipolar Order Parameter and Entangled Néel-Type Charged Domain Walls in Hybrid Improper Ferroelectrics. Physical Review Letters, 2017, 119, 157601.	2.9	32
132	Strain-induced incommensurate phases in hexagonal manganites. Physical Review B, 2017, 96, .	1.1	13
133	Direct observation of charged domain walls in hybrid improper ferroelectric (Ca,Sr) ₃ Ti ₂ O ₇ . Japanese Journal of Applied Physics, 2017, 56, 10PB02.	0.8	9
134	Chiral Spin Mode on the Surface of a Topological Insulator. Physical Review Letters, 2017, 119, 136802.	2.9	33
135	Moiré Superstructure and Dimensional Crossover of 2D Electronic States on Nanoscale Lead Quantum Films. Scientific Reports, 2017, 7, 12735.	1.6	4
136	Quasiparticle interference of surface states in the type-II Weyl semimetal WTe_2 . Physical Review B, 2017, 96, .	1.1	22
137	Observation of new magnetic ground state in frustrated quantum antiferromagnet spin-liquid system Cs ₂ CuCl ₄ . Low Temperature Physics, 2017, 43, 901-904.	0.2	13
138	Quasistatic remanence in Dzyaloshinskii-Moriya interaction driven weak ferromagnets and piezomagnets. Physical Review B, 2017, 96, .	1.1	7
139	Induced quadrupolar singlet ground state of praseodymium in a modulated pyrochlore. Physical Review B, 2017, 96, .	1.1	8
140	Vibronic coupling and band gap trends in $CuGeO_3$ nanorods. Physical Review B, 2017, 96, .	1.1	11
141	Spatial anisotropy of topological domain structure in hexagonal manganites. Physical Review B, 2017, 95, .	1.1	11
142	Surface vibrational modes of the topological insulator Bi_2Te_3 observed by Raman spectroscopy. Physical Review B, 2017, 95, .	1.1	18
143	The low-temperature highly correlated quantum phase in the charge-density-wave 1T-TaS ₂ compound. Npj Quantum Materials, 2017, 2, .	1.8	63
144	Rewritable ferroelectric vortex pairs in BiFeO ₃ . Npj Quantum Materials, 2017, 2, .	1.8	64

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145	Heat transport study of the spin liquid candidate χ Physical Review B, 2017, 96, .		
146	Asymmetric Splitting of an Antiferromagnetic Resonance via Quartic Exchange Interactions in Multiferroic Hexagonal χ Physical Review Letters, 2017, 119, 227601.	2.9	14
147	Bending and breaking of stripes in a charge ordered manganite. Nature Communications, 2017, 8, 1883.	5.8	51
148	Role of the rare earth in lattice and magnetic coupling in multiferroic χ Physical Review B, 2017, 95, .		
149	The First Room-temperature Ferroelectric Sn Insulator and Its Polarization Switching Kinetics. Advanced Materials, 2017, 29, 1601288.	11.1	67
150	Mapping Picometer Scale Periodic Lattice Distortions with Aberration Corrected Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 420-421.	0.2	0
151	Emergent Phase Coherence of Stripe Order in Manganites Revealed with Cryogenic Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1630-1631.	0.2	0
152	Orphan Spins in the χ Antiferromagnet χ Physical Review Letters, 2017, 119, 257204.	2.9	11
153	Switching Magnetism and Superconductivity with Spin-Polarized Current in Iron-Based Superconductor. Physical Review Letters, 2017, 119, 227001.	2.9	20
154	Advances in Mapping Periodic Structural Modulations of Atomic Lattices. Microscopy and Microanalysis, 2016, 22, 552-553.	0.2	0
155	Structural and magnetic characterization of large area, free-standing thin films of magnetic ion intercalated dichalcogenides χ Journal of Physics Condensed Matter, 2016, 28, 356002.	0.7	11
156	Magnetoelectric phase diagrams of multiferroic χ . Physical Review B, 2016, 94, .	1.1	23
157	Topological defects at octahedral tilting plethora in bi-layered perovskites. Npj Quantum Materials, 2016, 1, .	1.8	47
158	Magnetic properties of χ and χ : Magnetic hysteresis with coercive fields of up to 55 T. Physical Review B, 2016, 94, .	1.1	20
159	Direct Observation of ferroelectric domain walls in improper ferroelectric χ . Microscopy and Microanalysis, 2016, 22, 1866-1867.	0.2	0
160	Terahertz spin-orbital excitations in the paramagnetic state of multiferroic χ Physical Review B, 2016, 94, .	1.1	11
161	Quantitative lateral and vertical piezoresponse force microscopy on a χ single crystal. Journal of Applied Physics, 2016, 120, 124106.	1.1	10
162	Ferromagnetic and antiferromagnetic orders of a phase-separated manganite probed throughout the χ phase diagram. Physical Review B, 2016, 94, .	1.1	3

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163	Directly probing spin dynamics in insulating antiferromagnets using ultrashort terahertz pulses. Physical Review B, 2016, 94, .	1.1	8
164	Optical spectroscopy and band gap analysis of hybrid improper ferroelectric Ca ₃ Ti ₂ O ₇ . Applied Physics Letters, 2016, 108, .	1.5	25
165	Nanoscale Superconducting Honeycomb Charge Order in IrTe ₂ . Nano Letters, 2016, 16, 4260-4265.	4.5	19
166	Coupling of bias-induced crystallographic shear planes with charged domain walls in ferroelectric oxide thin films. Physical Review B, 2016, 94, .	1.1	9
167	Magnetolectric Coupling through the Spin Flop Transition in NiMn_2S_3 . Physical Review Letters, 2016, 117, 147402.	2.9	26
168	Toward the Intrinsic Limit of the Topological Insulator Bi_2Te_3 . Physical Review Letters, 2016, 117, 106401.	2.9	66
169	Domain topology and domain switching kinetics in a hybrid improper ferroelectric. Nature Communications, 2016, 7, 11602.	5.8	46
170	Features of the low-frequency polarization response in the region of the ferroelectric phase transition in multiferroic TbMnO ₃ . Physics of the Solid State, 2016, 58, 2021-2026.	0.2	2
171	Continuous Magnetolectric Control in Multiferroic DyMnO ₃ Films with Twin-like Domains. Scientific Reports, 2016, 6, 20175.	1.6	11
172	Visualizing anisotropic propagation of stripe domain walls in staircaselike transitions of IrTe_2 . Physical Review B, 2016, 94, .	1.1	7
173	Partial glass isosymmetry transition in multiferroic hexagonal ErMnO ₃ . Physical Review B, 2016, 93, .	1.1	7
174	Magnon and electromagnon excitations in multiferroic DyFe_3O_7 . Physical Review B, 2016, 93, .	1.1	26
175	Pressure Effect on Ferroelectric Properties of CaFe_2O_5 . Physical Review Letters, 2016, 117, 017201.	2.9	25
176	Spontaneous decays of magneto-elastic excitations in non-collinear antiferromagnet (Y,Lu)MnO ₃ . Nature Communications, 2016, 7, 13146.	5.8	57
177	Ambipolar transport and magneto-resistance crossover in a Mott insulator, Sr ₂ IrO ₄ . Journal of Physics Condensed Matter, 2016, 28, 505304.	0.7	14
178	Ultrafast magnetization and structural dynamics in the intercalated transition metal dichalcogenides Fe _{0.25} Ta ₂ and Mn _{0.25} Ta ₂ . Journal of Physics Condensed Matter, 2016, 28, 194002.	0.7	3
179	Pressure Effect on Ferroelectric Properties of GdMn ₂ O ₅ and TmMn ₂ O ₅ . IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	5
180	Correlation between magnon and magnetic symmetries of hexagonal RMnO ₃ (R=Er, Ho, Lu). Journal of Molecular Structure, 2016, 1124, 103-109.	1.8	6

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181	Symmetry Switching of Negative Thermal Expansion by Chemical Control. Journal of the American Chemical Society, 2016, 138, 5479-5482.	6.6	47
182	Magnetochemical effect in multiferroic $R\text{In}1-x\text{Mn}x\text{O}_3$ (R=Tb, Dy). Physical Review B, 2015, 91, .	1.1	4
183	Multiferroicity in doped hexagonal LuFe_2O_3 . Physical Review B, 2015, 92, .	1.1	60
184	Optical properties, lattice dynamics, and structural phase transition in hexagonal Hf_2O_3 crystals. Physical Review B, 2015, 92, .	1.1	12
185	Tracking the continuous spin-flop transition in $\text{Ni}_3\text{V}_2\text{O}_{12}$ infrared spectroscopy. Physical Review B, 2015, 92, .	1.1	26
186	Pressure-induced decoupling of rare-earth moments and Mn spins in multiferroic GdMn_2O_5 . Physical Review B, 2015, 92, .	1.1	13
187	Sudden gap closure across the topological phase transition in Bi_2Te_3 . Physical Review B, 2015, 92, .	1.1	16
188	Successive Magnetic-Field-Induced Transitions and Colossal Magnetoelectric Effect in $\text{Ni}_3\text{V}_2\text{O}_{12}$. Physical Review Letters, 2015, 115, 137201.	2.9	58
189	Unveiling hidden ferrimagnetism and giant magnetoelectricity in polar magnet $\text{Fe}_2\text{Mo}_3\text{O}_8$. Scientific Reports, 2015, 5, 12268.	1.6	92
190	One Dimensional(1D)-to-2D Crossover of Spin Correlations in the 3D Magnet ZnMn_2O_4 . Scientific Reports, 2015, 5, 17771.	1.6	12
191	Self-poling with oxygen off-stoichiometry in ferroelectric hexagonal manganites. APL Materials, 2015, 3, 041505.	2.2	26
192	Interlocked chiral/polar domain walls and large optical rotation in Ni_3TeO_6 . APL Materials, 2015, 3, .	2.2	18
193	Atomic mapping of Ruddlesden-Popper faults in transparent conducting BaSnO_3 -based thin films. Scientific Reports, 2015, 5, 16097.	1.6	42
194	Study of spin-ordering and spin-reorientation transitions in hexagonal manganites through Raman spectroscopy. Scientific Reports, 2015, 5, 13366.	1.6	16
195	Evolution of the statistical distribution in a topological defect network. Scientific Reports, 2015, 5, 17057.	1.6	17
196	Charge-ordering cascade with spin-orbit Mott dimer states in metallic iridium ditelluride. Nature Communications, 2015, 6, 7342.	5.8	44
197	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. Advances in Physics, 2015, 64, 519-626.	35.9	661
198	Optical Diode Effect at Spin-Wave Excitations of the Room-Temperature Multiferroic BiFeO_3 . Physical Review Letters, 2015, 115, 127203.	2.9	65

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199	Optical evidence for bonding-antibonding splitting in IrTe_2 . Physical Review B, 2015, 91, .	15.6	584
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692	Superconductivity above 90 K in magnetic rare earth-barium-copper oxides. <i>Journal of Magnetism and Magnetic Materials</i> , 1987, 67, L139-L142.	1.0	124
693	Optically induced lattice dynamics probed with ultrafast X-ray diffraction. , 0, , .		0
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