

Multiferroic materials and magnetoelectric physics: symmetry and topology

Advances in Physics

64, 519-626

DOI: [10.1080/00018732.2015.1114338](https://doi.org/10.1080/00018732.2015.1114338)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Fabrication of high-density BiFeO ₃ nanodot and anti-nanodot arrays by anodic alumina template-assisted ion beam etching. Nanotechnology, 2016, 27, 485302.	1.3	14
2	Ultraviolet-assisted microfluidic generation of ferroelectric composite particles. Biomicrofluidics, 2016, 10, 024106.	1.2	2
3	Microfluidic synthesis of multiferroic Janus particles with disk-like compartments. Applied Physics Letters, 2016, 108, .	1.5	13
4	Self-electroforming and high-performance complementary memristor based on ferroelectric tunnel junctions. Applied Physics Letters, 2016, 109, .	1.5	9
5	High stability of electro-transport and magnetism against the A-site cation disorder in SrRuO ₃ . Scientific Reports, 2016, 6, 27840.	1.6	11
6	Visible Light Driven Photocatalytic Efficiency of rGO@Ag@BiFeO ₃ Ternary Nanohybrids on the Decontamination of Dye-polluted Water: An Amalgamation of 1D, 2D and 3D Systems. ChemistrySelect, 2016, 1, 6961-6971.	0.7	7
7	Nonvolatile Multilevel Memory and Boolean Logic Gates Based on a Single Ni/[Pb(Mg _{1/3} Nb _{2/3})O ₃] _{0.7} [PbTiO ₃] _{0.3} /Ni Heterostructure. Physical Review Applied, 2016, 6, .	1.5	23
8	Domain structures and magnetoelectric effects in multiferroic nanostructures. MRS Communications, 2016, 6, 330-340.	0.8	20
9	A multilevel nonvolatile magnetoelectric memory. Scientific Reports, 2016, 6, 34473.	1.6	48
10	Determination of intrinsic ferroelectric polarization in lossy improper ferroelectric systems. Applied Physics Letters, 2016, 109, .	1.5	37
11	Spin-Driven Multiferroic Properties of PbMn ₇ O ₁₂ Perovskite. Inorganic Chemistry, 2016, 55, 6169-6177.	1.9	18
12	Two-Step Antiferromagnetic Transitions and Ferroelectricity in Spin-1 Triangular-Lattice Antiferromagnetic Sr ₃ NiTa ₂ O ₉ . Inorganic Chemistry, 2016, 55, 2709-2716.	1.9	14
13	Symmetric relationships between direct and converse magnetoelectric effects in laminate composites. Composite Structures, 2016, 155, 107-117.	3.1	18
14	Magnetic excitations in quasi-one-dimensional helimagnets: Magnon decays and influence of interchain interactions. Physical Review B, 2016, 94, .	1.1	11
15	Multiferroic bismuth ferrite-based materials for multifunctional applications: Ceramic bulks, thin films and nanostructures. Progress in Materials Science, 2016, 84, 335-402.	16.0	478
16	Ab initio study of magnetoelectric coupling in La _{0.66} Sr _{0.33} MnO ₃ @PbZr _{0.2} Ti _{0.8} O ₃ multiferroic heterostructures. Journal of Physics Condensed Matter, 2016, 28, 396004.		
17	Inversion of Ferrimagnetic Magnetization by Ferroelectric Switching via a Novel Magnetoelectric Coupling. Physical Review Letters, 2016, 117, 037601.	2.9	36
18	Multiferroicity in Perovskite Manganite Superlattice. Communications in Theoretical Physics, 2016, 66, 244-248.	1.1	0

#	ARTICLE	IF	CITATIONS
19	RF magnetron co-sputtering growth and characterisation of multiferroic composite films of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4 + \text{BiFeO}_3$. Journal of Materials Chemistry C, 2016, 4, 8679-8686.	2.7	15
20	Ferroelectric Resistive Switching in High-Density Nanocapacitor Arrays Based on BiFeO_3 Ultrathin Films and Ordered Pt Nanoelectrodes. ACS Applied Materials & Interfaces, 2016, 8, 23963-23968.	4.0	33
21	Continuous Magnetoelectric Control in Multiferroic DyMnO_3 Films with Twin-like Domains. Scientific Reports, 2016, 6, 20175.	1.6	11
22	Synthesis, Optical, and Magnetic Properties of $\text{Ba}_2\text{Ni}_3\text{F}_{10}$ Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 26213-26219.	4.0	4
23	Block antiferromagnetism and possible ferroelectricity in KFe_2Se_2 . Physica Status Solidi - Rapid Research Letters, 2016, 10, 757-761.	1.2	6
24	Modulating Magnetic Properties by Tailoring In-Plane Domain Structures in Hexagonal YMnO_3 Films. ACS Applied Materials & Interfaces, 2016, 8, 25379-25385.	4.0	7
25	Origins of structure and ferroelectricity in multiferroic $\text{Lu}_2\text{Mn}_2\text{O}_7$. Physical Review B, 2016, 93, .	1.1	20
26	Helical bunching and symmetry lowering inducing multiferroicity in Fe langasites . Physical Review B, 2016, 93, .	1.1	60
27	Spin-wave and electromagnon dispersions in multiferroic MnWO_4 as observed by neutron spectroscopy: Isotropic Heisenberg exchange versus anisotropic Dzyaloshinskii-Moriya interaction. Physical Review B, 2016, 93, .	1.1	8
29	Spin glass state and enhanced spiral phase in doped delafossite oxide CuCrO_2 . Physical Review B, 2016, 94, .	1.1	6
30	Topological end states in two-orbital double-exchange model for colossal magnetoresistive manganites. Physical Review B, 2016, 93, .	1.1	2
31	Ferroelectricity in Covalently functionalized Two-dimensional Materials: Integration of High-mobility Semiconductors and Nonvolatile Memory. Nano Letters, 2016, 16, 7309-7315.	4.5	99
32	The evolution of multiferroics. Nature Reviews Materials, 2016, 1, .	23.3	933
33	Preparation of epitaxial hexagonal YMnO_3 thin films and observation of ferroelectric vortex domains. Npj Quantum Materials, 2016, 1, .	1.8	49
34	Understanding the multiferroicity in TmMn_2O_5 by a magnetically induced ferrielectric model. Scientific Reports, 2016, 6, 34767.	1.6	7
35	Electric field control of magnon-induced magnetization dynamics in multiferroics. Scientific Reports, 2016, 6, 31800.	1.6	22
36	DyMnO_3 : A model system of type-II multiferroics. Journal of Materiomics, 2016, 2, 213-224.	2.8	31

#	ARTICLE	IF	CITATIONS
37	Quantum Fisher information for periodic and quasiperiodic anisotropic XY chains in a transverse field. Quantum Information Processing, 2016, 15, 1793-1810.	1.0	8
38	Low-Temperature Structural Modulations in CdMn ₇ O ₁₂ , CaMn ₇ O ₁₂ , SrMn ₇ O ₁₂ , and PbMn ₇ O ₁₂ Perovskites Studied by Synchrotron X-ray Powder Diffraction and Mössbauer Spectroscopy. Journal of Physical Chemistry C. 2016, 120, 8278-8288.	1.5	37
39	The crucial role of Mn spiral spin order in stabilizing the Dy ²⁺ Mn exchange striction in multiferroic DyMnO ₃ . Physical Chemistry Chemical Physics, 2017, 19, 3706-3712.	1.3	5
40	Ultra-low coercive field of improper ferroelectric Ca ₃ Ti ₂ O ₇ epitaxial thin films. Applied Physics Letters, 2017, 110, . Diagonal magnetoelectric susceptibility and effect of Fe doping in the polar ferrimagnet $M_n M_{n-2} M_{n-3} O$	1.5	20
41	Far-IR magnetospectroscopy of magnons and electromagnons in $M_n M_{n-2} M_{n-3} O$ single crystals at low temperatures. Physical Review B, 2017, 95, .	1.1	42
42	Multiferroic heterostructures of Fe ₃ O ₄ /PMN-PT prepared by atomic layer deposition for enhanced interfacial magnetoelectric couplings. Applied Physics Letters, 2017, 110, .	1.1	12
43	Readdressing of Magnetoelectric Effect in Bulk BiFeO ₃ . Advanced Functional Materials, 2017, 27, 1604037.	1.5	21
44	Impulse voltage control of continuously tunable bipolar resistive switching in Pt/Bi _{0.9} Eu _{0.1} FeO ₃ /Nb-doped SrTiO ₃ heterostructures. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	7.8	80
45	Magnetic properties and spin-driven ferroelectricity in multiferroic skyrmion host GaV ₄ S ₈ . Physical Review B, 2017, 95, .	1.1	3
46	Aperiodic topological order in the domain configurations of functional materials. Nature Reviews Materials, 2017, 2, .	1.1	13
47	Electromagnon resonance in a collinear spin state of the polar antiferromagnet $M_n M_{n-2} M_{n-3} O$. Physical Review B, 2017, 95, .	23.3	66
48	Leakage current characteristics and Sm/Ti doping effect in BiFeO ₃ thin films on silicon wafers. Journal of Applied Physics, 2017, 121, .	1.1	29
49	Two-Dimensional Metal-Free Organic Multiferroic Material for Design of Multifunctional Integrated Circuits. Journal of Physical Chemistry Letters, 2017, 8, 1973-1978.	1.1	63
50	Magnetic and electronic properties of La ₃ M ₇ O ₂₉ and possible polaron formation in hole-doped La ₃ M ₇ O ₂₉ (M = Ru and Os). Journal of Physics Condensed Matter, 2017, 29, 095803.	2.1	64
51	Effects of annealing atmosphere on microstructure, electrical properties and domain structure of BiFeO ₃ thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 12039-12047.	1.1	7
52	Understanding and designing magnetoelectric heterostructures guided by computation: progresses, remaining questions, and perspectives. Npj Computational Materials, 2017, 3, .	1.1	2
53	First-principle investigation on electronic structure, magnetism and multiferroicity of BiMn ₃ Fe ₄ O ₁₂ . Journal of Magnetism and Magnetic Materials, 2017, 441, 296-302.	3.5	110
54		1.0	3

#	ARTICLE	IF	CITATIONS
55	BaMF ₄ (M = Mn, Co, Ni): New electrode materials for hybrid supercapacitor with layered polar structure. <i>Journal of Power Sources</i> , 2017, 359, 585-591.	4.0	15
56	An insight into the magnetoelectric coupling effect in the MOF of [NH ₂ (CH ₃) ₂] _n [Fe ^{III} Fe ^{II} (HCOO) ₆] _n . <i>Applied Physics Letters</i> , 2017, 110, 192902.	1.5	20
57	A neutron diffraction study of crystal and low-temperature magnetic structures within the (Na,Li)FeGe ₂ O ₆ pyroxene-type solid solution series. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 669-684.	0.3	5
58	Polar Magnets in Double Corundum Oxides. <i>Chemistry of Materials</i> , 2017, 29, 5447-5457.	3.2	46
59	Interface-induced multiferroism by design in complex oxide superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5062-E5069.	3.3	42
60	High Curie temperature and enhanced magnetoelectric properties of the laminated Li _{0.058} (Na _{0.535} K _{0.48}) _{0.942} NbO ₃ /Co _{0.6} Zn _{0.4} Fe _{1.7} Mn _{0.3} O ₄ composites. <i>Scientific Reports</i> , 2017, 7, 44855.	1.6	38
61	Mechanically assisted synthesis of multiferroic BiFeO ₃ : Effect of synthesis parameters. <i>Journal of Alloys and Compounds</i> , 2017, 711, 77-84.	2.8	36
62	First-principle investigation on multiferroicity in cubic perovskite LaMn ₃ Fe ₄ O ₁₂ compound. <i>Computational Materials Science</i> , 2017, 133, 116-121.	1.4	0
63	Large electroresistance and tunable photovoltaic properties of ferroelectric nanoscale capacitors based on ultrathin super-tetragonal BiFeO ₃ films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3323-3329.	2.7	29
64	Interface Engineering of Domain Structures in BiFeO ₃ Thin Films. <i>Nano Letters</i> , 2017, 17, 486-493.	4.5	69
65	Observation of Exotic Domain Structures in Ferroelectric Nanodot Arrays Fabricated via a Universal Nanopatterning Approach. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37219-37226.	4.0	32
66	Parasitic phases at the origin of magnetic moment in BiFeO ₃ thin films grown by low deposition rate RF sputtering. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	10
67	Comprehensive Study of Oxygen Storage in YbFe ₂ O _{4+x} (x = 0.5): Unprecedented Coexistence of FeO _n Polyhedra in One Single Phase. <i>Journal of the American Chemical Society</i> , 2017, 139, 17031-17043.	6.6	9
68	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn ₃ Cr ₄ O ₁₂ . <i>Advanced Materials</i> , 2017, 29, 1703435.	11.1	50
69	Electric field driven evolution of topological domain structure in hexagonal manganites. <i>Physical Review B</i> , 2017, 96, .	1.1	16
70	Voltage-driven charge-mediated fast 180 degree magnetization switching in nanoheterostructure at room temperature. <i>Npj Computational Materials</i> , 2017, 3, .	3.5	10
71	Composition-driven magnetic and structural phase transitions in Bi _{1-x} Pr _x Fe _{1-x} Mn _x O ₃ multiferroics. <i>Journal of Applied Physics</i> , 2017, 122, 124103.	1.1	13
72	BiFeO ₃ nanorings synthesized via AAO template-assisted pulsed laser deposition and ion beam etching. <i>RSC Advances</i> , 2017, 7, 41210-41216.	1.7	8

#	ARTICLE	IF	CITATIONS
73	Energy spectrum of the low-lying states in Sr ₂ FeSi ₂ O ₇ and the nature of the magnetoelectric effect. JETP Letters, 2017, 105, 696-699.	0.4	0
74	Role of electrodes materials in determining the interfacial and magnetoelectric properties in BaTiO ₃ -based multiferroic tunnel junctions. European Physical Journal B, 2017, 90, 1.	0.6	14
75	Spin-phonon coupling in epitaxial $Sr_{1-x}Ca_xTiO_3$ thin films. Physical Review B, 2017, 95, .	1.1	12
76	Fabrication of epitaxial ferroelectric BiFeO ₃ nanoring structures by a two-step nano-patterning method. Ceramics International, 2017, 43, 16136-16140.	1.1	6
77	Fabrication of epitaxial ferroelectric BiFeO ₃ nanoring structures by a two-step nano-patterning method. Ceramics International, 2017, 43, 16136-16140.	2.3	6
78	Enhanced magnetization in morphologically and magnetically distinct BiFeO ₃ and La _{0.7} Sr _{0.3} MnO ₃ composites. Journal of Applied Physics, 2017, 122, .	1.1	18
79	Integration of c-axis oriented Bi _{3.15} Nd _{0.85} Ti _{2.95} Hf _{0.05} O ₁₂ /La _{0.67} Sr _{0.33} MnO ₃ ferromagnetic-ferroelectric composite film on Si substrate. Scientific Reports, 2017, 7, 11341.	1.6	13
80	Giant magnetoelectric effects achieved by tuning spin cone symmetry in Y-type hexaferrites. Nature Communications, 2017, 8, 519.	5.8	97
81	Electric controlling of surface metal-insulator transition in the doped BaTiO ₃ film. AIP Advances, 2017, 7, 075302.	0.6	0
82	Spatial anisotropy of topological domain structure in hexagonal manganites. Physical Review B, 2017, 95, .	1.1	11
83	Visualizing weak ferromagnetic domains in multiferroic hexagonal ferrite thin film. Physical Review B, 2017, 95, .	1.1	19
84	Magnetoelectric properties of lead-free (80Bi _{0.5} Na _{0.5} TiO ₃ -20Bi _{0.5} K _{0.5} TiO ₃)-Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ particulate composites prepared by <i>in situ</i> sol-gel. Journal of Applied Physics, 2017, 122, .	1.1	22
86	Chemically Functionalized Phosphorene: Two-Dimensional Multiferroics with Vertical Polarization and Mobile Magnetism. Journal of the American Chemical Society, 2017, 139, 11506-11512.	6.6	119
87	Nonreciprocal Magnons and Symmetry-Breaking in the Noncentrosymmetric Antiferromagnet. Physical Review Letters, 2017, 119, 047201.	2.9	62
88	The Frustration-induced Ferroelectricity of a Manganite Tricolor Superlattice with Artificially Broken Symmetry. Scientific Reports, 2017, 7, 6201.	1.6	9
89	Domain structures in circular ferroelectric nano-islands with charged defects: A Monte Carlo simulation. Journal of Applied Physics, 2017, 122, 044103.	1.1	6
90	Prospects and applications near ferroelectric quantum phase transitions: a key issues review. Reports on Progress in Physics, 2017, 80, 112502.	8.1	49
91	Semi-permeable Yoffe-type interfacial crack analysis in MEE composites based on the strip electro-magnetic polarization saturation model. Acta Mechanica Solida Sinica, 2017, 30, 354-368.	1.0	3

#	ARTICLE	IF	CITATIONS
92	Multiferroicity in cycloidal spiral spin magnet $\hat{1}^2$ -CrPO ₄ . Journal of Alloys and Compounds, 2017, 726, 833-836.	2.8	5
93	Advances in Magnetism Epitaxial Multiferroic Heterostructures and Applications. IEEE Transactions on Magnetism, 2017, 53, 1-16.	1.2	13
95	High-density array of ferroelectric nanodots with robust and reversibly switchable topological domain states. Science Advances, 2017, 3, e1700919.	4.7	125
96	Appearance and disappearance of ferromagnetism in ultrathin LaMnO_3 on SrTiO_3 substrate: A viewpoint from first principles. Physical Review B, 2017, 96, .	1.1	27
97	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders AFeWO_4 as a model system for unconventional charge transfer and polar metallicity. Physical Review B, 2017, 95, .	1.1	11
98	Extraordinarily large intrinsic magnetodielectric coupling of the Tb member within the Haldane spin-chain family $\text{R}_2\text{Mg}_2\text{WO}_6$. Physical Review B, 2017, 96, .	1.1	27
99	Cycloidal magnetism driven ferroelectricity in double tungstate $\text{LiFe(WO}_4)_2$. Physical Review B, 2017, 95, .	1.1	20
100	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders AFeWO_4		

#	ARTICLE	IF	CITATIONS
111	Longitudinal magnetoconductivity and magnetodielectric effect in bilayer graphene. Journal of Physics: Conference Series, 2017, 864, 012028.	0.3	1
112	$\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_{2.5}\text{Nb}_{0.25}(\text{Fe}_{0.5}\text{Co}_{0.5})_{0.25}$ a single phase room temperature multiferroic. Journal of Materials Chemistry C, 2018, 6, 2733-2740.	2.7	19
113	Transition-metal-doped group-IV monochalcogenides: a combination of two-dimensional triferroics and diluted magnetic semiconductors. Nanotechnology, 2018, 29, 215703.	1.3	41
114	Effects of temperature and electric field on order parameters in ferroelectric hexagonal manganites. Journal of Applied Physics, 2018, 123, 094102.	1.1	6
115	Intrinsic structural distortion and exchange interactions in $\text{SmFe}_x\text{Cr}_{1-x}\text{O}_3$ compounds. RSC Advances, 2018, 8, 8842-8848.	1.7	17
116	Proton transfer ferroelectricity/multiferroicity in rutile oxyhydroxides. Nanoscale, 2018, 10, 9509-9515.	2.8	13
117	Spectroscopic Characterisation of Multiferroic Interfaces. Springer Series in Materials Science, 2018, , 245-281.	0.4	3
118	Stabilization of E -type magnetic order caused by epitaxial strain in perovskite manganites. Physical Review B, 2018, 97, .	1.1	12
119	Significant role of antiferromagnetic GdFeO_3 on multiferroism of bilayer thin films. Materials Research Express, 2018, 5, 026416.	0.8	1
120	Stabilization of \pm - BiFeO_3 structure by Sr^{2+} and its effect on multiferroic properties. Ceramics International, 2018, 44, 8087-8093.	2.3	18
121	Dielectric relaxation in epitaxial films of paraelectric-magnetic SrTiO_3 - SrMnO_3 solid solution. Applied Physics Letters, 2018, 112, .	1.5	2
122	Magnetolectric and Raman spectroscopic studies of monocrystalline MnCr_2O_4 . Physical Review B, 2018, 97, .	1.1	18
123	Influence of Thickness on the Structural, Optical and Magnetic Properties of Bismuth Ferrite Thin Films. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3217-3222.	0.8	11
124	Tuning Fe concentration in epitaxial gallium ferrite thin films for room temperature multiferroic properties. Acta Materialia, 2018, 145, 488-495.	3.8	26
125	Switching of Magnons by Electric and Magnetic Fields in Multiferroic Borates. Physical Review Letters, 2018, 120, 027203.	2.9	25
126	Spin-coupling-induced Improper Polarizations and Latent Magnetization in Multiferroic BiFeO_3 . Scientific Reports, 2018, 8, 405.	1.6	5
127	Growth and characterization of $\text{Bi}_{3.15}\text{Nd}_{0.85}\text{Ti}_{2.95}\text{Hf}_{0.05}\text{O}_{12}/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ composite film with strong magnetoelectric effect by chemical solution deposition under moderate crystallization temperature. Journal of Alloys and Compounds, 2018, 754, 190-198.	2.8	2
128	Prediction of Intrinsic Ferromagnetic Ferroelectricity in a Transition-Metal Halide Monolayer. Physical Review Letters, 2018, 120, 147601.	2.9	217

#	ARTICLE	IF	CITATIONS
129	Dynamics of structural and magnetic phase transitions in ferroborate $\text{YFe}_3(\text{BO}_3)_4$. Journal of Alloys and Compounds, 2018, 748, 989-994.	2.8	10
130	First principles study of the magnetic properties and charge transfer of Ni-doped BiFeO_3 . Journal of Magnetism and Magnetic Materials, 2018, 449, 10-16.	1.0	21
131	Enhanced magnetoelectric coupling in La-modified $\text{Bi}_5\text{Co}_0.5\text{Fe}_0.5\text{Ti}_3\text{O}_{15}$ multiferroic ceramics. Journal of Materials Science, 2018, 53, 1014-1023.	1.7	17
132	The possible magnetoelectric coupling induced by adsorption in SnTe films. Applied Surface Science, 2018, 428, 89-93.	3.1	6
133	Impact of Co-doping on the structural and magnetic properties of multiferroic $\text{CaMn}_7\text{O}_{12}$. Journal of Alloys and Compounds, 2018, 740, 559-566.	2.8	2
134	Single crystal growth of $\text{Zn}_{1-x}\text{Cu}_x\text{V}_2\text{O}_7$ ($x = 0.05, 0.15$) by the vertical gradient freezing technique. Journal of Physics: Conference Series, 2018, 1144, 012035.	0.3	0
135	Structural, dielectric, ferroelectric, and ferromagnetic properties of multiferroic ceramics $(1-x)\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-x\text{Ba}_{0.7}\text{Ca}_{0.3}\text{FeTaO}_5$. Ferroelectrics, 2018, 534, 164-171.	0.3	1
136	Nanoscale LuFeO_3 : shape dependent ortho/hexa-phase constitution and nanogenerator application. Nanoscale, 2018, 10, 21406-21413.	2.8	15
137	Modeling and predicting responses of magnetoelectric materials. MRS Bulletin, 2018, 43, 829-833.	1.7	2
138	Spin-driven ferroelectricity and large magnetoelectric effect in monoclinic MnSb_2S_4 . Physical Review B, 2018, 98, .	1.1	10
139	Strain-driven magnetic phase transitions from an antiferromagnetic to a ferromagnetic state in perovskite MnO films. Physical Review B, 2018, 98, .	1.1	17
140	Two-level hierarchical stripe domains and enhanced piezoelectricity of rapid hot-press sintered BiFeO_3 ceramics. Journal of Applied Physics, 2018, 124, 194104.	1.1	8
141	Confinement of $\text{L}^{\text{A}}\text{v}$ flights in a parabolic potential and fractional quantum oscillator. Physical Review E, 2018, 98, .	0.8	10
142	Magnetic field induced ferroelectricity and half magnetization plateau in polycrystalline $\text{R}_2\text{V}_2\text{O}_7$ ($\text{R}=\text{Ni},\text{Co}$). Physical Review B, 2018, 98, .	1.1	31
143	Nontrivial topology and localization in the double exchange model with possible applications to perovskite manganites. Physical Review B, 2018, 98, .	1.1	6
144	Magnetic order in the rare-earth ferroborate CeFe_3O_7 . Physical Review B, 2018, 98, .		
145	Multiferroic and Ferroelectric Rashba Semiconductors. , 2018, , 1-25.		0
146	Frustration and Glasslike Character in RIn_3MnO_3 ($\text{R} = \text{Tb}, \text{Dy}, \text{Gd}$). Inorganic Chemistry, 2018, 57, 12501-12508.	1.9	8

#	ARTICLE	IF	CITATIONS
147	Electric control of exchange bias in multiferroic hexaferrite $B_a0.4S_r0.6F_e1.6O_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 464, 156-160.	1.1	11
148	Magnetic field controlled electronic state and electric field controlled magnetic state in $BiFeO_3$ oxide. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
149	Construction of Magnetolectric Composites with a Large Room-Temperature Magnetolectric Response through Molecular-Ionic Ferroelectrics. <i>Advanced Materials</i> , 2018, 30, e1803716.	11.1	44
150	Novel multiferroicity in orthorhombic $SrCrO_3$. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 609-613.	1.8	13
151	Exchange bias in tetragonal-like $BiFeO_3/Sr_2FeMoO_6$ bilayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 464, 156-160.	1.0	4
152	Theory of magnetolectric effects in multiferroic core-shell nanofibers of hexagonal ferrites and ferroelectrics. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 284004.	1.3	9
153	Domain switching in single-phase multiferroics. <i>Applied Physics Reviews</i> , 2018, 5, 021102.	5.5	39
154	Structural transitions in hybrid improper ferroelectric Cu_2O . <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 464, 156-160.	1.1	18
155	Coupled dielectric permittivity and magnetic susceptibility in the insulating antiferromagnet $Ba_2FeSbSe_5$. <i>Applied Physics Letters</i> , 2018, 112, 202903.	1.5	2
156	Unusual magnetolectric memory and polarization reversal in the kagome staircase compound $Ni_3V_2O_{10}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 784-788.	1.1	17
157	Structural transition and its effect on magnetolectric coupling in the $BiFe_{1-x}Mn_xO_3$ ceramics prepared by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 784-788.	1.0	10
158	Critical behavior and magnetocaloric effect in the multiferroic double perovskite Lu_2NiMnO_6 . <i>Journal of Alloys and Compounds</i> , 2018, 763, 613-621.	2.8	14
159	Designing switchable near room-temperature multiferroics via the discovery of a novel magnetolectric coupling. <i>New Journal of Physics</i> , 2018, 20, 053025.	1.2	11
160	Electrically Driven Reversible Magnetic Rotation in Nanoscale Multiferroic Heterostructures. <i>ACS Nano</i> , 2018, 12, 6767-6776.	7.3	44
161	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	7.8	18
162	Ferroelectric perovskite-spinel ferrite ceramics. , 2018, , 433-456.		3
163	Properties of single multiferroics. , 2018, , 527-543.		2
164	Single Crystal Growth and Hierarchical Ferroelectric Domain Structure of $(1-x)BiFeO_3$ - $xPbTiO_3$ Solid Solutions. <i>Crystal Growth and Design</i> , 2018, 18, 4503-4510.	1.4	10

#	ARTICLE	IF	CITATIONS
165	Identification of Antiferromagnetic Domains Via the Optical Magnetoelectric Effect. Physical Review Letters, 2018, 121, 057601.	2.9	28
166	Effect of molar ratio on the microstructure, dielectric and multiferroic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ -Pb _{0.8} Zr _{0.2} TiO ₃ nanocomposite. Journal of Materials Science: Materials in Electronics, 2018, 29, 16226-16237.	1.1	45
167	Coupling of ferroelastic strain and ferroelectric phase transition in NiMnGa/Pb _{0.97} La _{0.02} (Zr _{0.95} Ti _{0.05})O ₃ bilayered films. Ceramics International, 2018, 44, 17199-17203.	2.3	0
168	Magnetic properties and enhanced magneto-dielectric effects in nanobased Bi ₂ Fe ₄ O ₉ . Journal Physics D: Applied Physics, 2018, 51, 295002.	1.3	10
169	Type-II Multiferroic Hf ₂ VC ₂ F ₂ MXene Monolayer with High Transition Temperature. Journal of the American Chemical Society, 2018, 140, 9768-9773.	6.6	179
170	New iron-based multiferroics with improper ferroelectricity. Journal Physics D: Applied Physics, 2018, 51, 243002.	1.3	7
171	Review of multi-layered magnetoelectric composite materials and devices applications. Journal Physics D: Applied Physics, 2018, 51, 243001.	1.3	193
172	Spin-1/2 χ chain magnetoelectric: Effect of zigzag geometry. Physical Review B, 2018, 98, .		
173	Roles of Oxygen Vacancy in Improper Ferroelectrics. Microscopy and Microanalysis, 2018, 24, 74-75.	0.2	0
174	Quantification of charge carriers participating antiferromagnetic to weak ferromagnetic phase transition in Na doped LaFeO ₃ nano multiferroics. Journal of Applied Physics, 2018, 124, 084102.	1.1	9
175	Synthesis and study of structural, optical and magnetic properties of BiFeO ₃ â€“ZnFe ₂ O ₄ nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 17360-17366.	1.1	5
176	Strain-Mediated Converse Magnetoelectric Coupling in La _{0.7} Sr _{0.3} MnO ₃ /Pb(Mg _{1/3} Nb _{2/3})O ₃ â€“PbTiO ₃ Multiferroic Heterostructures. Crystal Growth and Design, 2018, 18, 5934-5939.	1.4	21
177	Orientation-Dependent Optical Magnetoelectric Effect in Patterned BaTiO ₃ /La _{0.67} Sr _{0.33} MnO ₃ Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 30895-30900.	4.0	8
178	Magnetoelectric anisotropy in laminate composite for detecting magnetic field. Functional Materials Letters, 2019, 12, 1850098.	0.7	3
179	Multiferroic (Nd,Fe)-doped PbTiO ₃ ceramics with coexistent ferroelectricity and magnetism at room temperature. Ceramics International, 2019, 45, 9390-9396.	2.3	14
180	The Ir ⁴⁺ substitution dependence of electric polarization as a probe of magnetic phase stability in multiferroic MnWO ₄ . Journal of Applied Physics, 2019, 126, 064103.	1.1	6
181	Enhanced microwave absorbing properties of La-modified Bi ₅ Co _{0.5} Fe _{0.5} Ti ₃ O ₁₅ multiferroics. Journal of Materials Science: Materials in Electronics, 2019, 30, 15619-15626.	1.1	5
182	Magnetolattice coupling, magnetic frustration, and magnetoelectric effect in the Cr-doped χ FeVO ₄ multiferroic material and their correlation with structural phase transitions. Physical Review B, 2019, 100, .	1.1	12

#	ARTICLE	IF	CITATIONS
183	Spin excitations of magnetoelectric LiNiPO_4 in multiple magnetic phases. Physical Review B, 2019, 100, .	1.1	11
184	Effect of combined Ca/Ti and Ca/Nb substitution on the crystal and magnetic structure of BiFeO_3 . Journal of Magnetism and Magnetic Materials, 2019, 491, 165561.	1.0	5
185	Single-phase multiferroics: new materials, phenomena, and physics. National Science Review, 2019, 6, 653-668.	4.6	136
186	Magnetic domain-wall induced ferroelectric polarization in rare-earth orthoferrites AFeO_3 (A = Lu, Y, Gd): first-principles calculations. Journal of Materials Chemistry C, 2019, 7, 10059-10065.	2.7	11
187	Correlation between vacancy defects and magnetic properties of the $\text{GdMn}_1\text{-ZnO}_3$ multiferroic ceramics studied by positron annihilation. Materials Research Bulletin, 2019, 119, 110565.	2.7	5
188	Topological domain states and magnetoelectric properties in multiferroic nanostructures. National Science Review, 2019, 6, 684-702.	4.6	35
189	Magnetoelectric coupling without long-range magnetic order in the spin-multiferroic RbO_2 . Physical Review B, 2019, 99, .	1.1	9
190	Crystal Structure and Multiferroic Behaviors of Solid Solution $(1-x)\text{BiFeO}_3(1-x)\text{MnO}_3$ - $y\text{BaTiO}_3$. Materials Science Forum, 2019, 944, 526-530.	0.3	0
191	Modulation ferromagnetism in multiferroic BiFeO_3 nanocrystals via bandgap engineering. Applied Physics Letters, 2019, 114, .	1.5	9
192	Magnetic and structural properties of Ni substituted magnetoelectric CoNb_2O_9 . Physical Review B, 2019, 100, .	1.1	12
193	Lattice and magnetic dynamics in the polar, chiral, and incommensurate antiferromagnet NiInSbO_6 . Physical Review B, 2019, 100, .	1.1	8
194	Large Band Offset in Monolayer MoS_2 on Oppositely Polarized $\text{BiFeO}_3(0001)$ Polar Surfaces. Journal of Physical Chemistry C, 2019, 123, 3039-3047.	1.5	11
195	Collinear magnetic structure and multiferroicity in the polar magnet CoO_8 . Physical Review B, 2019, 100, .	1.1	43
196	The $J_{\text{eff}} = 1/2$ Antiferromagnet Sr_2IrO_4 : A Golden Avenue toward New Physics and Functions. Advanced Materials, 2020, 32, e1904508.	11.1	24
197	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	1.9	23
198	The study of magnetic and room temperature magnetoelectric properties of $\text{Fe}_2\text{Te}_{0.95}\text{Ta}_{0.05}\text{O}_6$. AIP Conference Proceedings, 2019, .	0.3	0
199	Microscopic model for magnetoelectric coupling through lattice distortions. Physical Review B, 2019, 100, .	1.1	3
200	Magnetoelectric multiferroicity and quantum paraelectricity in hexaferrites. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	12

#	ARTICLE	IF	CITATIONS
201	Effect of (Cu/Fe)O5 bipyramid size and separation on magnetic and dielectric properties of rare earth layered perovskite LaBaCuFeO5 and LuBaCuFeO5. Journal of Applied Physics, 2019, 126, 144101.	1.1	4
202	Nonvolatile Multilevel States in Multiferroic Tunnel Junctions. Physical Review Applied, 2019, 12, .	1.5	11
203	Absence of ferroelectricity in double-perovskite Y2CoMnO6 single crystals. Journal of Applied Physics, 2019, 126, 084102.	1.1	1
204	Multiferroic memory effect far above the Néel temperature in single crystal. $G \times d > 0.5$	1.1	3
205	Opportunities and challenges for magnetoelectric devices. APL Materials, 2019, 7, .	2.2	84
206	A first principles study of a spin-polarized two-dimensional polar metal at the SrVO3/PbTiO3 heterostructure interface. Journal of Applied Physics, 2019, 126, .	1.1	8
207	Effect of SmFeO3 content on structure and multiferroic properties of mSmFeO3â€Bi4Ti3O12 thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 17872-17878.	1.1	2
208	Large linear magnetoelectric effect and field-induced ferromagnetism and ferroelectricity in DyCrO4. NPG Asia Materials, 2019, 11, .	3.8	19
209	Strain and charge modulated magnetization in a BTO/Fe3O4/Au/BTO multilayered heterostructure. Applied Physics Letters, 2019, 115, .	1.5	3
210	Tailoring Magnetoelectric Coupling in BiFeO3/La0.7Sr0.3MnO3 Heterostructure through the Interface Engineering. Advanced Materials, 2019, 31, e1806335.	11.1	53
211	Multiferroic (Nd,Fe)-doped PbTiO3 thin films obtained by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	2
212	Ferroelectricity in the multiferroic delafossite CuFeO2 induced by ion doping or magnetic field. Solid State Communications, 2019, 292, 11-16.	0.9	7
213	Chemically engineered multiferroic morphotropic phase boundary in BiFeO3-based single phase multiferroics. Journal of Applied Physics, 2019, 125, .	1.1	10
214	Magnetic phase transition and multiferroic phase separation in Ho1-Gd MnO3. Ceramics International, 2019, 45, 8325-8332.	2.3	4
215	Intrinsic multiferroicity in two-dimensional VOCl2 monolayers. Nanoscale, 2019, 11, 1103-1110.	2.8	62
216	LiNbO3-based bimorph piezoactuator for fast X-Ray experiments: Resonant mode. Sensors and Actuators A: Physical, 2019, 293, 48-55.	2.0	20
217	Giant anisotropic magnetoresistance and nonvolatile memory in canted antiferromagnet Sr2IrO4. Nature Communications, 2019, 10, 2280.	5.8	55
218	Structural and magneto-dielectric anomalies in Mn-doped Bi2Fe4O9 nanograins. Journal of Applied Physics, 2019, 125, 244104.	1.1	5

#	ARTICLE	IF	CITATIONS
219	Low-temperature thermal conductivity and magnetic transitions of the kagome-staircase compound Ni ₃ V ₂ O ₈ . <i>Physical Review B</i> , 2019, 99, .	1.1	3
220	Anomalous Magnetoelectric Coupling Effect of CoFe ₂ O ₄ –BaTiO ₃ Binary Mixed Fluids. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1120-1132.	2.0	31
221	Room-temperature multiferroicity in magnetic field-poled polyaniline and its enhancement via Cu ²⁺ -complexation. <i>Synthetic Metals</i> , 2019, 253, 131-140.	2.1	5
222	Two-dimensional ferromagnetic-ferroelectric multiferroics in violation of the d - m rule. <i>Physical Review B</i> , 2019, 99, .	2.1	6
223	Sign change of polarization rotation under time or space inversion in magnetoelectric YbAl ₃ . <i>Physical Review B</i> , 2019, 99, .	2.1	3
224	Robust polarization switching in self-assembled BiFeO ₃ nanoislands with quad-domain structures. <i>Acta Materialia</i> , 2019, 175, 324-330.	3.8	21
225	Substrate effects on the in-plane ferroelectric polarization of two-dimensional SnTe. <i>Physical Review B</i> , 2019, 99, .	1.1	17
226	Deterministic Switching of Ferroelectric Bubble Nanodomains. <i>Advanced Functional Materials</i> , 2019, 29, 1808573.	7.8	30
227	Room-temperature multiferroicity in CeFeO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 797, 363-369.	2.8	34
228	Geometric and anisotropy effects on voltage driven magnetic switching behaviors in nanoscale multiferroic heterostructure. <i>AIP Advances</i> , 2019, 9, 045101.	0.6	4
229	Fabrication and thickness-dependent magnetic studies of tunable multiferroic heterostructures (CFO/LSMO/LAO). <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	18
230	Multiferroic properties of aurivillius structure Bi ₄ SmFeTi ₃ O ₁₅ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9945-9954.	1.1	7
231	Phase transitions and ferroelasticity–multiferroicity in bulk and two-dimensional silver and copper monohalides. <i>Nanoscale Horizons</i> , 2019, 4, 1106-1112.	4.1	32
232	Growth and stabilization of two-dimensional multiferroics MnI ₂ . <i>Materials Research Express</i> , 2019, 6, 085046.	0.8	2
233	Ferroelectricity driven by soft phonon and spin order in multiferroic BiMn ₃ Cr ₄ O ₁₂ . <i>Journal of the American Ceramic Society</i> , 2019, 102, 6048-6059.	1.9	4
234	Perspective: voltage control of magnetization in multiferroic heterostructures. <i>National Science Review</i> , 2019, 6, 621-624.	4.6	15
235	Hexagonal Sr _{0.6} Ba _{0.4} MnO ₃ : Spin and dipole coupling via local structure. <i>Journal of Alloys and Compounds</i> , 2019, 796, 237-242.	2.8	6
236	Lattice and spin dynamics in multiferroic BiFeO ₃ and <i>R</i> MnO ₃ . <i>National Science Review</i> , 2019, 6, 642-652.	4.6	13

#	ARTICLE	IF	CITATIONS
237	Enhanced dielectric, magnetic and optical properties of Cr-doped BiFeO ₃ multiferroic nanoparticles synthesized by sol-gel route. Results in Physics, 2019, 13, 102299.	2.0	50
238	Emergent Vibronic Excitations in the Magnetodielectric Regime of CeO_3 Mn^{2+} Mn^{3+} Mn^{4+} Multiferroic Oxide. Physical Review Letters, 2019, 122, 177601.	2.0	15
239	Pressure-induced polymorphism and piezochromism in Mn ₂ FeSbO ₆ . Applied Physics Letters, 2019, 114, 162903.	1.5	6
240	Realizing Magnetoelectric Coupling with Hydrogen Intercalation. Physical Review Letters, 2019, 122, 117601.	2.9	13
241	Pressure effect on spin-driven multiferroicity in a Y-type hexaferrite. Journal of Materials Chemistry C, 2019, 7, 4173-4177.	2.7	3
242	Domain switching in bismuth layer-structured multiferroic films. , 2019, , 1-21.		0
243	Electric field control of magnetism in Si ₃ N ₄ gated Pt/Co/Pt heterostructures. Journal of Applied Physics, 2019, 125, .	1.1	4
244	Fabrication and Characterization of Multiferroic Al _{0.5} Fe _{1.5} O ₃ Epitaxial Thin Films. MRS Advances, 2019, 4, 539-544.	0.5	0
245	2D Diluted Multiferroic Semiconductors upon Intercalation. Advanced Electronic Materials, 2019, 5, 1800960.	2.6	21
246	Investigation of electric, dielectric, and magnetic properties of Li ⁺¹ and Mo ⁺⁶ co-doped BiFeO ₃ . Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	17
247	Existence of a critical canting angle of magnetic moments to induce multiferroicity in the Haldane spin-chain system TbMn_2O_7 . Physical Review B, 2019, 99, .	1.1	12
248	Antiferromagnetic Piezospintronics. Advanced Electronic Materials, 2019, 5, 1900176.	2.6	73
249	Electric Field Induced Room Temperature Null to High Spin State Switching: A Computational Prediction. Advanced Theory and Simulations, 2019, 2, 1900005.	1.3	3
250	Nanomechanics of multiferroic composite nanofibers via local excitation piezoresponse force microscopy. Journal of the Mechanics and Physics of Solids, 2019, 126, 76-86.	2.3	14
251	Probing ferroelectricity in highly conducting materials through their elastic response: Persistence of ferroelectricity in metallic BaTiO_3 . Physical Review B, 2019, 99, .	1.1	22
252	Magnetoelectricity in multiferroics: a theoretical perspective. National Science Review, 2019, 6, 629-641.	4.6	129
253	Advances in magnetoelectric multiferroics. Nature Materials, 2019, 18, 203-212.	13.3	1,084
254	Enhanced modulation of magnetization in the Fe ₃ O ₄ /MgO/SrTiO ₃ heterostructure by electric field. Applied Physics Letters, 2019, 114, .	1.5	5

#	ARTICLE	IF	CITATIONS
255	Abnormal dependence of multiferroicity on high-temperature electro-poling in GdMn ₂ O ₅ . Journal of Applied Physics, 2019, 126, 174104.	1.1	3
256	Dielectric Properties of Nanocrystalline Yttrium Iron Manganites Synthesized by Sol-Gel Method. Integrated Ferroelectrics, 2019, 202, 104-111.	0.3	1
257	Interfacial coupling induced critical thickness for the ferroelectric bistability of two-dimensional ferromagnet/ferroelectric van der Waals heterostructures. Physical Review B, 2019, 100, .	1.1	30
258	Large magnetoelectric effect in the polar magnet Sm ₂ BaCuO ₅ . Applied Physics Letters, 2019, 115, 252902.	1.5	10
259	A breakthrough in the intrinsic multiferroic temperature region in Prussian blue analogues. RSC Advances, 2019, 9, 41832-41836.	1.7	4
260	Coexistence of magnetization reversal and exchange bias in Mn-substituted CuCrO ₂ . Journal of Alloys and Compounds, 2019, 772, 703-709.	2.8	7
261	Comparative study of magnetic and electronic properties of room-temperature polar magnets ScFeO ₃ and InFeO ₃ . International Journal of Quantum Chemistry, 2019, 119, e25846.	1.0	2
262	Design of Single-Molecule Multiferroics for Efficient Ultrahigh-Density Nonvolatile Memories. Advanced Science, 2019, 6, 1801572.	5.6	41
263	PbTiO ₃ -Ni _{0.5} Co _{0.5} Fe ₂ O ₄ multiferroic nanocomposites: Impact of ball-milling on dielectric, magnetic and ferroelectric properties. Ceramics International, 2019, 45, 4957-4963.	2.3	11
264	Electric field induced two-dimensional electron gas and magnetism in LaFeO ₃ /SrTiO ₃ (0 $\bar{0}\bar{0}$ 1) heterostructures. Applied Surface Science, 2019, 471, 185-195.	3.1	8
265	Magnetocapacitance and magnetoelectric coupling effect of Ni _{0.5} Cu _{0.5} Fe ₂ O ₄ /BaTiO ₃ mixed multiferroic fluids. Materials Research Express, 2019, 6, 026308.	0.8	21
266	Vibrational properties and infrared dielectric features of Gd ₂ CoMnO ₆ and Y ₂ CoMnO ₆ double perovskites. Ceramics International, 2019, 45, 4756-4762.	2.3	17
267	Giant nonvolatile manipulation of magnetoresistance in magnetic tunnel junctions by electric fields via magnetoelectric coupling. Nature Communications, 2019, 10, 243.	5.8	94
268	On sliding interface contact in layered smart structures. Applied Mathematical Modelling, 2019, 67, 135-150.	2.2	3
269	Hexagonal YMnO ₃ films as promising ultraviolet photodetectors. Ceramics International, 2019, 45, 3239-3243.	2.3	8
270	Study of the structural, magnetic, and microwave absorption properties of the simultaneous substitution of several cations in the barium hexaferrite structure. Journal of Alloys and Compounds, 2019, 775, 1101-1108.	2.8	88
271	Effect of barium doping on the microstructure, dielectric and magnetic properties of GdMnO ₃ multiferroic ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 2523-2529.	1.1	11
272	The enhanced magnetoelectric effect and piezoelectric properties in the lead-free Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ /La _{0.7} Ca _{0.3} MnO ₃ nano-multilayers composite thin films. Journal of Alloys and Compounds, 2019, 777, 485-491.	2.8	7

#	ARTICLE	IF	CITATIONS
273	Mössbauer study of non-stoichiometric FeCr ₂ S ₄ system. Journal of Molecular Structure, 2020, 1199, 126941.	1.8	0
274	Non-collinear spin DFT study of the ground state magnetic structure, optical and electronic properties of the hexagonal LuFeO ₃ multiferroic. Journal of Alloys and Compounds, 2020, 813, 152227.	2.8	6
275	Novel synthetic approach to the preparation of single-phase Bi _x La _{1-x} MnO ₃ solid solutions. Journal of Sol-Gel Science and Technology, 2020, 93, 650-656.	1.1	10
276	Tunable Magnetoelectric Response in Cofired (Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃)/CoFe ₂ O ₄ Laminated Composite. Journal of Electronic Materials, 2020, 49, 650-658.	1.0	2
277	Spiral spin structures and skyrmions in multiferroics. ChemistrySelect, 2020, 5, .	0.7	9
278	Controlling of light with electromagnons. ChemistrySelect, 2020, 5, .	0.7	4
279	Room-Temperature Magnetoelectric Response in Molecular-Ionic Ferroelectric-Based Magnetoelectric Composites. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900644.	1.2	8
280	Electric and magnetic properties of some magnetodielectric composites at microwave frequency. Journal of Magnetism and Magnetic Materials, 2020, 501, 166410.	1.0	5
281	Domain structure and multiferroic properties of epitaxial hexagonal ErMnO ₃ films. Journal of Alloys and Compounds, 2020, 821, 153529.	2.8	4
282	Nonvolatile Electric Control of the Anomalous Hall Effect in an Ultrathin Magnetic Metal. Advanced Electronic Materials, 2020, 6, 1901084.	2.6	15
283	First-principles study on structural, electronic, and ferroelectric properties of high-temperature RMn ₂ O ₅ (R = Sm, Gd, Dy). Materials Today Communications, 2020, 22, 100837.	0.9	3
284	Structural, magnetic, dielectric and optical properties of double-perovskite Bi ₂ FeCrO ₆ ceramics synthesized under high pressure. Journal of Alloys and Compounds, 2020, 819, 153007.	2.8	20
285	Ultrahigh-strain ferroelasticity in two-dimensional honeycomb monolayers: from covalent to metallic bonding. Science Bulletin, 2020, 65, 147-152.	4.3	21
286	Visualizing quantum phenomena at complex oxide interfaces: An atomic view from scanning transmission electron microscopy. Frontiers of Physics, 2020, 15, 1.	2.4	5
287	Multiple-valued electric polarization in multiferroic GdMn ₂ O ₅ from first principles. Journal of Magnetism and Magnetic Materials, 2020, 516, 167373.	1.0	4
288	Ferroelectricity and ferromagnetism in a VO ₂ Mn ₂ O ₇ multiferroic. Journal of Magnetism and Magnetic Materials, 2020, 516, 167373.	1.1	37
289	Magnetic anisotropy and exchange paths for octahedrally and tetrahedrally coordinated Mn ²⁺ ions in the honeycomb multiferroic VOF ₂ . Physical Review B, 2020, 102, .	1.1	9
290	Prediction of two-dimensional ferromagnetic ferroelectric VOF ₂ monolayer. Physical Chemistry Chemical Physics, 2020, 22, 24109-24115.	1.3	27

#	ARTICLE	IF	CITATIONS
291	Polarization-induced anisotropic damping in Co/[Pb (Mg _{1/3} Nb _{2/3})O ₃] _{0.7} â€“[PbTiO ₃] _{0.3} (011) heterostructure. Applied Physics Letters, 2020, 117, 132409.	1.5	0
292	Dielectric and multiferroic properties of 0.8BaTiO ₃ -0.2BiAlO ₃ /Co _{0.8} Cu _{0.2} Fe ₂ O ₄ composite ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 13730-13745.	1.1	4
293	Experimental observation of ferroelectricity in ferrimagnet MnCr ₂ S ₄ . Applied Physics Letters, 2020, 117, .	1.5	4
294	Electronic structure, lattice dynamics, and dielectric properties in cubic perovskite BiMn ₃ Cr ₄ O ₁₂ and LaMn ₃ Cr ₄ O ₁₂ . Chemical Physics, 2020, 538, 110924.	0.9	3
295	Correlations between the structural, magnetic, and ferroelectric properties of BaMO ₃ : M ^Â =Ti _{1-x} (Mn/Fe) _x compounds: A Raman study. Journal of Alloys and Compounds, 2020, 846, 156362.	2.8	1
296	Changing the magnetic states of an Fe/BaTiO ₃ interface through crystal field effects controlled by strain. Physical Chemistry Chemical Physics, 2020, 22, 18050-18059.	1.3	1
297	Molecular quantum materials: electronic phases and charge dynamics in two-dimensional organic solids. Advances in Physics, 2020, 69, 1-120.	35.9	35
298	Ferroc orders in two-dimensional transition/rare-earth metal halides. APL Materials, 2020, 8, .	2.2	27
299	Magnetoelectric coupling in the mixed erythrosiderite [(NH ₄) _{1-x} K _x] ₂ [FeCl ₅ (H ₂ O)]. Physical Review B, 2020, 102, .	1.1	8
300	Controllable magnetism driven by carrier confinement and ferroelectric polarization in a two-dimensional heterostructure. Journal of Materials Chemistry C, 2020, 8, 17342-17348.	2.7	7
301	Spontaneous Magnetodielectric Effect and Its Coupling to the Lattice Dynamics in Fluoroperovskites. Journal of Experimental and Theoretical Physics, 2020, 131, 189-200.	0.2	2
302	Electric field control of molecular magnetic state by two-dimensional ferroelectric heterostructure engineering. Applied Physics Letters, 2020, 117, .	1.5	12
303	Remarkable magnetoelectric effect in single crystals of honeycomb magnet Mn ₄ Nb ₂ O ₉ . Applied Physics Letters, 2020, 117, .	1.5	9
304	The Experimentalist's Guide to the Cycloid, or Noncollinear Antiferromagnetism in Epitaxial BiFeO ₃ . Advanced Materials, 2020, 32, e2003711.	11.1	45
305	Large linear magnetoelectric effect induced by an external magnetic field in the collinear antiferromagnet DyCrO_4 . Physical Review B, 2020, 102, .	1.1	4
306	Nonreciprocal directional dichroism in multiferroics. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	0
307	Charge transfer and strain tuned antiferromagnetism in the two-dimensional CrCl ₃ /[Mo ₂ C(â€“O)] ₂ heterojunction. Physical Chemistry Chemical Physics, 2020, 22, 20477-20481.	1.3	1
308	Ferroelectrically tunable magnetism in BiFeO ₃ /BaTiO ₃ heterostructure revealed by the first-principles calculations. Journal of Advanced Research, 2020, 24, 371-377.	4.4	7

#	ARTICLE	IF	CITATIONS
309	MnO ₂ -doping induced enhanced multiferroicity in Bi _{0.83} Sm _{0.17} Fe _{0.95} Sc _{0.05} O ₃ ceramics. Applied Physics Letters, 2020, 116, .	1.5	6
310	Voltage-controlled three-state magnetic memory based on anisotropic magnetoresistance in a multiferroic heterostructure. Applied Physics Letters, 2020, 116, .	1.5	10
311	Electric field controllable high-spin SrRuO_3 driven by a solid ionic junction. Physical Review B, 2020, 101, .	1.1	19
312	Effect of crystal symmetries and phase boundaries on the magnetoelectricity of La ₂ NiMnO ₆ prepared under ambient conditions. Journal of Applied Physics, 2020, 127, .	1.1	4
313	High-temperature structural phase transition and infrared dielectric features of La ₂ CoMnO ₆ . Materials Research Bulletin, 2020, 129, 110878.	2.7	0
314	The Mechanism of the Magnetodielectric Response in a Molecule-Based Trinuclear Iron Cluster Material. Angewandte Chemie - International Edition, 2020, 59, 14409-14413.	7.2	21
315	Magnonic Magnetoelectric Coupling in Ferroelectric/Ferromagnetic Composites. Physica Status Solidi (B): Basic Research, 2020, 257, 1900750.	0.7	1
316	Magnetoelectric coupling in multiferroic Z-type hexaferrite revealed by electric-field-modulated magnetic resonance studies. Journal of Materials Science, 2020, 55, 7624-7633.	1.7	8
317	Ferroelectricity and multiferroicity in two-dimensional Sc ₂ P ₂ Se ₆ and ScCr ₂ Se ₆ monolayers. Physical Chemistry Chemical Physics, 2020, 22, 7489-7496.	1.3	17
318	Structural, magnetic, and dielectric properties of charge-order phases in manganite La(Ca _{0.8} Sr _{0.2}) ₂ Mn ₂ O ₇ . Journal of Applied Physics, 2020, 127, 104104.	1.1	0
319	Evolving magneto-electric device technologies. Semiconductor Science and Technology, 2020, 35, 073001.	1.0	17
320	Electric field control of nonvolatile two-state magnetoelectric coefficient at room temperature in a hexaferrite. Journal of the American Ceramic Society, 2020, 103, 4384-4389.	1.9	6
321	Antiferromagnetic and dielectric behavior in polycrystalline GdFe _{0.5} Cr _{0.5} O ₃ thin film. APL Materials, 2020, 8, 031106.	2.2	9
322	Improper ferroelectricity in 134-type $\text{A}_{12}\text{B}_3\text{O}_{19}$ perovskites. Physical Review B, 2020, 101, .	1.1	3
323	Hexagonal rare-earth manganites and ferrites: a review of improper ferroelectricity, magnetoelectric coupling, and unusual domain walls. Physical Chemistry Chemical Physics, 2020, 22, 14415-14432.	1.3	33
324	The Mechanism of the Magnetodielectric Response in a Molecule-Based Trinuclear Iron Cluster Material. Angewandte Chemie, 2020, 132, 14515-14519.	1.6	6
325	Weak ferromagnetism and magnetoelectric coupling through the spin-lattice coupling in $(1-x)\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$ - $x\text{BiFeO}_3$ ($x = 0.1$ and 0.4) solid solution. Journal of Physics Condensed Matter, 2020, 32, 425805.	0.7	3
326	Electric-Field-Controlled Antiferromagnetic Spintronic Devices. Advanced Materials, 2020, 32, e1905603.	11.1	86

#	ARTICLE	IF	CITATIONS
327	Experimental Identification of Electric Dipoles Induced by Magnetic Monopoles in Tb ₂ Ti ₂ O ₇ . Physical Review Letters, 2020, 124, 087601.	2.9	9
328	High-temperature magnetism and crystallography of a YCrO_3 single crystal. Physical Review B, 2020, 101, .	1.9	10
329	Polarization tunability in multiferroic DyMn ₂ O ₅ : Influence of Y and Eu co-doping and 3d-4f exchange. Solid State Communications, 2020, 307, 113809.	0.9	0
330	Organic Donor-Acceptor Cocrystals for Multiferroic Applications. Asian Journal of Organic Chemistry, 2020, 9, 1252-1261.	1.3	22
331	Electrical Control of Magnetic Phase Transition in a Type-I Multiferroic Double-Metal Trihalide Monolayer. Physical Review Letters, 2020, 124, 067602.	2.9	84
332	Constrained titanohematite formation at BTO/Fe interfaces deposited by RF-sputtering. Journal of Alloys and Compounds, 2020, 828, 154244.	2.8	0
333	Effect of volume fraction on magnetoelectric coupling effect of Co _{0.1} Cu _{0.9} Fe ₂ O ₄ /Ba _{0.8} Sr _{0.2} TiO ₃ composite liquid. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	11
334	Enhanced ferromagnetic and electric properties of multiferroic BiFeO ₃ by doping with Ca. Journal of Alloys and Compounds, 2020, 824, 153944.	2.8	27
335	Versatile power and energy conversion of magnetoelectric composite materials with high efficiency via electromechanical resonance. Nano Energy, 2020, 70, 104506.	8.2	40
336	The structural, dielectric, and magnetic properties of GdMnO ₃ multiferroic ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 3590-3597.	1.1	8
337	Pressure-induced structural phase transitions in the multiferroic four-layer Aurivillius ceramic Bi ₅ FeTi ₃ O ₁₅ . Ceramics International, 2020, 46, 18056-18062.	2.3	14
338	A review of the structure, magnetic and electrical properties of bismuth ferrite (Bi ₂ Fe ₄ O ₉). Ceramics International, 2020, 46, 18453-18463.	2.3	37
339	Room temperature multiferroic properties of electrospun gallium ferrite nanofibers. Journal of Applied Physics, 2020, 127, .	1.1	5
340	Unveiling ferromagnetic ground state, anomalous behavior of the exchange-bias field around spin reorientation, and magnetoelectric coupling in YbCrO_3 .	1.1	17
341	Diode-like rectification characteristics of BiFeO ₃ -based /Zn _{1-x} Ni _x Fe ₂ O ₄ bilayered films for application of ferroelectric field effect transistors. Journal of Alloys and Compounds, 2021, 851, 156818.	2.8	4
342	Electrical and magnetic properties of double perovskite: Y ₂ CoMnO ₆ . Ceramics International, 2021, 47, 439-448.	2.3	19
343	Dielectric and magnetoelectric properties of (BiBa) _{1-x} (FeTiZn) _x O ₃ /CoFe ₂ O ₄ lead-free particulate composites. Journal of Magnetism and Magnetic Materials, 2021, 521, 167484.	1.0	2
344	Structural and magnetic properties of multiferroic hexagonal Lu _{0.5} (Sc _{1-x} In _x) _{0.5} FeO ₃ ceramics. Journal of Alloys and Compounds, 2021, 854, 157137.	2.8	7

#	ARTICLE	IF	CITATIONS
345	Dzyaloshinskiiâ€Moriya-like interaction in ferroelectrics and antiferroelectrics. Nature Materials, 2021, 20, 341-345.	13.3	37
346	Substrate- and layer-effects on structural and photovoltaic properties of spin-coated Aurivillius-type $Bm+1Fem-3Ti3O3m+3$ thin films. Journal of Alloys and Compounds, 2021, 851, 156833.	2.8	7
347	Resistive Switching and Redox Process at the $BaTiO_3/(La,Sr)MnO_3$ Multiferroicâ€Type Interface. Advanced Electronic Materials, 2021, 7, .	2.6	11
348	Impact of Ni doping on the morphological, electrical and dielectric properties of $YMn_{0.4}Fe_{0.6-x}Ni_xO_3$ ($0 \hat{\%} x \hat{\%} 0.1$) multiferroics. Physica B: Condensed Matter, 2021, 603, 412748.	1.3	4
349	Multiferroic $BaCoX_2O_7$ ($X = P, As$) Compounds with Incommensurate Structural Waves but Collinear Spin Ingredients. Advanced Quantum Technologies, 2021, 4, 2000064.	1.8	2
350	Quantum chaos dynamics on the surface of topological insulator attached to spiral multiferroic oxide in a magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 387, 127037.	0.9	2
351	Zero-field ferroelectric state and magnetoelectric coupling in antiferromagnetic $Fe_4Nb_2O_9$ single crystal. Ceramics International, 2021, 47, 9055-9060.	2.3	3
352	Temperature and frequency dependence of dielectric relaxations in $YFeO_3$. Ceramics International, 2021, 47, 9834-9841.	2.3	7
353	New approach for designing bulk multiferroic composites made of two perovskite oxides with enhanced direct magnetoelectric coupling. Scripta Materialia, 2021, 194, 113673.	2.6	4
354	$BiFeO_3$ -based multiferroic materials and their properties. , 2021, , 275-293.		0
355	Metamagnetic transitions and magnetoelectricity in the spin-1 honeycomb antiferromagnet Ni_2O_8 . Physical Review B, 2021, 103, .	1.1	22
356	Nonvolatile magnetoelectric coupling in two-dimensional ferromagnetic-bilayer/ferroelectric van der Waals heterostructures. Nanoscale, 2021, 13, 14214-14220.	2.8	7
357	Magnetoelectrics and Multiferroics. , 2021, , 1-29.		0
358	Magnetoelectric Coupling and Decoupling in Multiferroic Hexagonal $YbFeO_3$ Thin Films. SSRN Electronic Journal, 0, , .	0.4	0
359	Enhanced strain-induced magnetoelectric coupling in polarization-free $Fe/BaTiO_3$ heterostructures. Physical Chemistry Chemical Physics, 2021, 23, 16053-16059.	1.3	0
360	First-principle investigation of hybrid improper ferroelectricity of $Rn = 2$ Ruddlesden-Popper $Sr_3B_2Se_7$ ($R = Zr, Hf$). Wuli Xuebao/Acta Physica Sinica, 2021, 70, 116302-116302.	0.2	0
361	Preparation and Physical Property of BTO-based Multiferroic Ceramics. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2022, 37, 79.	0.6	2
362	Room-temperature giant magnetotranstance effect in single-phase multiferroics. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	1

#	ARTICLE	IF	CITATIONS
363	Multiferroic and magnetodielectric properties of Co _{0.5} Ni _{0.5} Fe ₂ O ₄ - BaTiO ₃ composites. AIP Conference Proceedings, 2021, . .	0.3	0
364	Decoupled strain response of ferroic properties in a multiferroic VOCl_2 monolayer. Physical Review B, 2021, 103, .	1.1	9
365	Magnetodielectric Response in a Layered Mixed-Valence Ferrimagnetic Molecular Compound. Inorganic Chemistry, 2021, 60, 3565-3571.	1.9	4
366	Half-auxetic effect and ferroelasticity in a two-dimensional monolayer TiSe. Journal of Physics Condensed Matter, 2021, 33, 144002.	0.7	1
367	A family of ionic supersalts with covalent-like directionality and unconventional multiferroicity. Nature Communications, 2021, 12, 1331.	5.8	19
368	Theory and phase-field simulations of electrical control of spin cycloids in a multiferroic. Physical Review B, 2021, 103, .	1.1	2
369	Electric-polarization-driven magnetic phase transition in a ferroelectric-ferromagnetic heterostructure. Applied Physics Letters, 2021, 118, .	1.5	4
370	Giant linear magnetoelectric effect at the morphotropic phase boundary of epitaxial $\text{Sr} > 0.5 < /mrow < /math>$ films. Physical Review B, 2021, 103, .		
371	Tunable magnetism in ferroelectric In_2Se_3 by hole-doping. Applied Physics Letters, 2021, 118, .	1.5	25
372	Nanoscale Magnetization Reversal by Magnetoelectric Coupling Effect in $\text{Ga}_{0.6}\text{Fe}_{1.4}\text{O}_3$ Multiferroic Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 18194-18201.	4.0	8
373	Coherent electric field manipulation of Fe^{3+} spins in PbTiO_3 . Science Advances, 2021, 7, .	4.7	17
374	High-resolution optical spectroscopy, magnetic properties, and single-crystal neutron diffraction of multiferroic $\text{HoFe} < /mrow < /math>$. Magnetic structure. Physical Review B, 2021, 103, .		
375	Unveiling Quantum Superparamagnetism by Interacting Monodomains in Multiferroic Er-Doped Bismuth Ferrate Nanostructured Particles. Journal of Physical Chemistry C, 2021, 125, 6449-6460.	1.5	9
376	Structural evolution and phase transition of $\text{Sr}_3\text{Sn}_2\text{O}_7$ doped with Ca. Chemical Physics Letters, 2021, 766, 138319.	1.2	1
377	Tuning the tilting of the spiral plane by Mn doping in YBaCuFeO_5 multiferroic. Acta Materialia, 2021, 206, 116608.	3.8	7
378	Manipulation of Magnetic Domain Walls by Ferroelectric Switching: Dynamic Magnetoelectricity at the Nanoscale. Physical Review Letters, 2021, 126, 117603.	2.9	19
379	The atlas of ferroicity in two-dimensional MGeX_3 family: Room-temperature ferromagnetic half metals and unexpected ferroelectricity and ferroelasticity. Nano Research, 2021, 14, 4732-4739.	5.8	17
380	Magnetoelectric coupling in self-assembled BiFeO_3 - CoFe_2O_4 nanocomposites on (110)- LaAlO_3 substrates. APL Materials, 2021, 9, 041109.	2.2	9

#	ARTICLE	IF	CITATIONS
381	Os Doping Suppressed Cu ²⁺ Fe Charge Transfer and Induced Structural and Magnetic Phase Transitions in LaCu ₃ Fe ₄ Os ₁₂ (x = 1 and) Tj ETQ0 0 0 qBT /Overl	10.0	0
382	Magnetoelectric Multiferroicity and Magnetic Anisotropy in Guanidinium Copper(II) Formate Crystal. Materials, 2021, 14, 1730.	1.3	3
383	Room-Temperature Magnetoelectric Coupling in Electronic Ferroelectric Film based on [(n-C ₃ H ₇) ₄ N][Fe ^{III} Fe ^{II} (dto) ₃] (dto = C ₂ O ₂ S ₂). Journal of the American Chemical Society, 2021, 143, 5779-5785.	6.6	29
384	Anisotropic spin-driven ferroelectricity and magnetoelectric effect in a Y-type hexaferrite. Applied Physics Letters, 2021, 118, .	1.5	3
385	Inorganic-Organic Hybrid Molecular Materials: From Multiferroic to Magnetoelectric. Advanced Materials, 2021, 33, e2004542.	11.1	40
386	Evolution of magnetic order in multiferroic Pb(Fe _{2/3} W _{1/3})O ₃ BiFeO ₃ solid solution. Journal of the American Ceramic Society, 2021, 104, 4585-4593.	1.9	0
387	Tuning the large magnetoelectric coupling in Co ₄ Nb ₂ O ₉ with Mn substitution. Ceramics International, 2021, 47, 14041-14047.	2.3	3
388	Realization of semiconducting layered multiferroic heterojunctions via asymmetrical magnetoelectric coupling. Physical Review B, 2021, 103, .	1.1	21
389	Review of Magnetoelectric Sensors. Actuators, 2021, 10, 109.	1.2	42
390	Probing atomic-scale symmetry breaking by rotationally invariant machine learning of multidimensional electron scattering. Npj Computational Materials, 2021, 7, .	3.5	15
391	Even and odd crystal fields on Fe ²⁺ ions, local lattice distortion parameters, electron-deformation interaction, and magnetoelectric coupling in FeCr ₂ O ₄ . Journal of Physics Condensed Matter, 2021, 33, 225501.	0.7	5
392	Magnetic structure and multiferroicity of Sc-substituted hexagonal $\text{O}(\text{Mn})_3\text{YbFe}$. Physical Review B, 2021, 103, .	1.1	11
393	Electric field control of magnetism: multiferroics and magnetoelectrics. Rivista Del Nuovo Cimento, 2021, 44, 251-289.	2.0	12
394	Structural, electrical, magnetic and optical properties of BaTi _{1-x} (Ni _{1/2} Nb _{1/2}) _x O ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 19519-19528.	1.1	1
395	Structural and magnetic properties of ordered inverse spinel Li Fe ₅ O ₈ . Journal of Alloys and Compounds, 2021, 865, 158849.	2.8	1
396	Magnetoelectricity in Jahn-Teller Elastics. Magnetochemistry, 2021, 7, 95.	1.0	0
397	Electromagnetic, piezoelectric, and magnetoelastic characteristics of a quantum spin chain system. Physical Review B, 2021, 103, .	1.1	4
398	Phase competition in frustrated anisotropic antiferromagnet in strong magnetic field. Journal of Magnetism and Magnetic Materials, 2021, 527, 167732.	1.0	4

#	ARTICLE	IF	CITATIONS
399	Potential room-temperature multiferroicity in cupric oxide under high pressure. <i>Physical Review B</i> , 2021, 103, .	1.1	7
400	Oxygen vacancy mediated room temperature ferromagnetism in Cu-doped LiNbO ₃ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 527, 167775.	1.0	10
401	Low-Temperature Growth of AlN Films on Magnetostrictive Foils for High-Magnetoelectric-Response Thin-Film Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30874-30884.	4.0	7
402	Intrinsic two-dimensional multiferroicity in CrNCl ₂ monolayer*. <i>Chinese Physics B</i> , 2021, 30, 117503.	0.7	5
403	Control of large linear magnetoelectricity in Co ₃ NiNb ₂ O ₉ . <i>Journal of Materiomics</i> , 2021, 7, 810-814.	2.8	5
404	Structural, magnetic, and magnetodielectric correlations in multiferroic Bi ₅ Ti ₃ FeO ₁₅ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21379-21394.	1.1	8
405	Non-ferroelectricity from semicovalent superexchange in bismuth ferrite. <i>Physical Review B</i> , 2021, 104, .	1.1	4
406	Phase-field simulations of surface charge-induced ferroelectric vortex. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 405302.	1.3	9
407	Electric field control of magnetism. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	1.0	21
408	On the Magnetoelectric Coupling in (Ni, Cu)B ₂ O ₄ . <i>JETP Letters</i> , 2021, 114, 35-39.	0.4	3
409	Study on resistance switching characteristics and regulation mechanisms of Bi _{0.9} Er _{0.1} Fe _{0.99} Mn _{0.01} O ₃ /Zn _{1-x} Cu _x O thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 18699-18710.	1.1	0
410	Nontrivial temperature dependence of magnetic anisotropy in multiferroic Ba _{0.7} Bi _{0.3} O ₇ . <i>Physical Review Research</i> , 2021, 3, .	1.3	5
411	Full-Electrical Writing and Reading of Magnetization States in a Magnetic Junction with Symmetrical Structure and Antiparallel Magnetic Configuration. <i>ACS Nano</i> , 2021, 15, 12213-12221.	7.3	7
412	Pressure-induced anomalies in the magnetic transitions of the exotic multiferroic material Tb ₂ . <i>Physical Review Materials</i> , 2021, 5, .	0.9	1
413	Phase competition and negative piezoelectricity in interlayer-sliding ferroelectric Zr ₂ Bi ₂ O ₇ . <i>Physical Review Materials</i> , 2021, 5, .	0.9	18
414	Two-dimensional multiferroics in a breathing kagome lattice. <i>Physical Review B</i> , 2021, 104, .	1.1	20
415	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
416	Phase transitions of the ferroelectric D _{2d} O ₂ under magnetic field. <i>Physical Review B</i> , 2021, 104, .	1.1	2

#	ARTICLE	IF	CITATIONS
417	Magnetic and electric field dependent anisotropic magnetoelectric multiferroicity in SmMnO_3 . Physical Review B, 2021, 104, .	1.1	9
418	Roadmap on Magnetoelectric Materials and Devices. IEEE Transactions on Magnetics, 2021, 57, 1-57.	1.2	43
419	Structure and tunneling magneto-dielectric properties of CoSrF_2 nano-granular thin films. AIP Advances, 2021, 11, .	0.6	4
420	First-principles calculations on ferroelectricity and lattice dynamics of Type-II multiferroic SmMn_2O_5 . Current Applied Physics, 2021, 29, 24-32.	1.1	0
421	Magnetoelectric polarizability of a multiferroic antiferromagnetic quantum spin system: The influence of both the site-dependent magnetic and electric fields. Journal of Magnetism and Magnetic Materials, 2021, 534, 167987.	1.0	0
422	Multiferroic properties of oxygen-functionalized magnetic i-MXene. Physical Review Materials, 2021, 5, .	0.9	13
423	Enhancing the bulk photovoltaic effect by tuning domain walls in epitaxial BiFeO_3 films. Nanotechnology, 2021, 32, 495402.	1.3	5
424	Formaldehyde sensing with a parts-per-billion limit of detection by dielectric properties and crystal symmetry optimization in BiFeO_3 -based p-type solid solution. Sensors and Actuators B: Chemical, 2021, 344, 130314.	4.0	10
425	Tracing microscopic atomic displacements using polarized Raman spectroscopy: A case study on BaTiO_3 . Journal Physics D: Applied Physics, 0, , .	1.3	2
426	Fe-doping effect on magnetic properties of $\text{La}_2\text{CoMnO}_6$ ceramics prepared by Plasma Activated Sintering. Journal of the European Ceramic Society, 2021, 41, 6516-6522.	2.8	3
427	Origin of magnetic, magnetoelectric effect and the influence of reentrant ferroelectric phase on the structural and multiferroic properties of $\text{Dy}_{3+}\text{Fe}_{3+}$ co-substituted BaTiO_3 ceramics. Journal of Magnetism and Magnetic Materials, 2021, 538, 168260.	1.0	4
428	The spin reorientation and improvement of magnetocaloric effect in $\text{HoCr}_{1-x}\text{Ga}_x\text{O}_3$ ($0 \leq x \leq 0.5$). Journal of Alloys and Compounds, 2021, 885, 160863.	2.8	5
429	Evidence of linear magnetoelectric effect in $\text{Mn}_4\text{Nb}_2\text{O}_9$ single crystal. Journal of Alloys and Compounds, 2021, 886, 161272.	2.8	0
430	Magnetoelectric phase diagram and magnetic field-induced reversal of electric polarization in $\text{Ba}_{0.5}\text{Sr}_{1.5}\text{Mg}_{1.6}\text{Co}_{0.4}\text{Fe}_{12}\text{O}_{22}$ single crystal. Journal of Alloys and Compounds, 2021, 886, 161266.	2.8	3
431	Synthesis, characterization and multiferroic properties of the doubly-ordered polar perovskite Na_xNiWO_6 .		

#	ARTICLE	IF	CITATIONS
435	Two-Dimensional Terahertz Spectroscopy of Collective Excitations in Solids. , 2021, , .		0
436	Synthesis and room-temperature multiferroic properties of lead-free Bi ₄ Ti ₃ O ₁₂ /NiFe ₂ O ₄ nanocomposite films. Ceramics International, 2020, 46, 16973-16978.	2.3	10
437	Investigation of ferrimagnetism and ferroelectricity in Al _x Fe ₂ â ^x O ₃ thin films. Journal of Materials Chemistry C, 2020, 8, 706-714.	2.7	8
438	Exchange striction driven magnetodielectric effect and potential photovoltaic effect in polar CaOFeS. Physical Review Materials, 2017, 1, .	0.9	15
439	Ferroelectric ferrimagnetic LiFe ₂ F ₆ : Charge-ordering-mediated magnetoelectricity. Physical Review Materials, 2017, 1, .	0.9	21
440	Microscopic theory for coupled atomistic magnetization and lattice dynamics. Physical Review Materials, 2017, 1, .	0.9	25
441	Room-temperature ferrimagnetic multiferroic $\text{BiF}_e\text{C}_o\text{O}_3$ thin films. Physical Review Materials, 2019, 3, .	0.9	12
442	Structure dependence of ferroelectricity in high quality BiMnO_3 epitaxial films. Physical Review Materials, 2019, 3, .	0.9	7
443	Probing the local distortion of Fe sites in Fe_3O_4 thin films using enhanced symmetry selection in XMLD. Physical Review Materials, 2020, 4, .	0.9	4
444	Collinear orbital antiferromagnetic order and magnetoelectricity in quasi-two-dimensional itinerant-electron paramagnets, ferromagnets, and antiferromagnets. Physical Review Research, 2020, 2, .	1.3	7
445	Fundamental circuit element and nonvolatile memory based on magnetoelectric effect. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 127501.	0.2	3
446	Recent progress of improper ferroelectricity in perovskite oxides. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157504.	0.2	1
447	Oxygen vacancies induced tuning effect on physical properties of multiferroic perovskite oxide thin films. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 156101.	0.2	5
448	Progress of converse magnetoelectric coupling effect in multiferroic heterostructures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157513.	0.2	9
449	Modifying BiFeO ₃ (BFO) for multifunctional applications - A review. AIP Conference Proceedings, 2021, , .	0.3	6
450	Energetic Couplings in Ferroics. Advanced Electronic Materials, 2022, 8, 2100639.	2.6	3
451	Using Dipole Interaction to Achieve Nonvolatile Voltage Control of Magnetism in Multiferroic Heterostructures. Advanced Materials, 2021, 33, e2105902.	11.1	11
452	Polarized spin-photon coupling in organic ferromagnetic magneto-optic crystals. Applied Materials Today, 2021, 25, 101229.	2.3	3

#	ARTICLE	IF	CITATIONS
453	Epitaxial ferroelectric interfacial devices. Applied Physics Reviews, 2021, 8, .	5.5	15
454	First-Principle Study of the Electronic Structure and Spontaneous Electric Polarization in Double Perovskite $Zn_{2}FeTaO_{6}$. Applied Physics, 2016, 06, 23-29.	0.0	0
455	Electric-field control of magnetic properties of $Fe_{3}O_{4}$ single-crystal film investigated by micro-magnetic simulation. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 137501.	0.2	0
456	Hybrid improper ferroelectricity and multiferroic in Ruddlesden-Popper structures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157503.	0.2	2
457	$(1-x)Sr_{3}Sn_{2}O_{7}+xCa_{3}Mn_{2}O_{7}$ ceramics and their photo-electric characteristics. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 154203.	0.2	0
458	Research progress of multiferroicity in Bi-layered oxide single-crystalline thin films. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157702.	0.2	1
459	Electric field driven magnetic switching in nanoscale multiferroic heterostructures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157512.	0.2	5
460	Photovoltaic effect in ferroelectrics. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157801.	0.2	8
461	High pressure synthesis and physical properties of multiferroic materials with multiply-ordered perovskite structure. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157505.	0.2	2
462	Effect of doping in multiferroic BFO: A review. Journal of Advanced Dielectrics, 2021, 11, .	1.5	20
463	Manipulation of J_{eff} states by tuning the tetragonal distortion. Physical Review B, 2021, 104, .	1.1	3
464	Influence of XY anisotropy on a magnetoelectric effect in spin-1/2 XY chain in a transverse magnetic field. Condensed Matter Physics, 2020, 23, 43704.	0.3	5
465	Progress and Perspectives on Aurivillius-Type Layered Ferroelectric Oxides in Binary $Bi_{4}Ti_{3}O_{12}$ - $BiFeO_{3}$ System for Multifunctional Applications. Crystals, 2021, 11, 23.	1.0	27
466	Tunable metal-insulator transition in $LaTiO_{3}/CaVO_{3}$ superlattices: A theoretical study*. Chinese Physics B, 2020, 29, 127303.	0.7	4
467	Multiferroic and Ferroelectric Rashba Semiconductors. , 2020, , 375-400.		1
468	Dual control of magnetism in $LaMnO_{3}/BaTiO_{3}$ superlattice by epitaxial strain and ferroelectric polarization. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 226301.	0.2	1
469	Recent research progress of two-dimensional intrinsic ferroelectrics and their multiferroic coupling. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 217710.	0.2	6
470	Charge-mediated magnetoelectricity: from ferroelectric field effect to charge-ordering ferroelectrics. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 217502.	0.2	1

#	ARTICLE	IF	CITATIONS
471	Review of experimental progress of hybrid improper ferroelectricity in layered perovskite oxides. Journal Physics D: Applied Physics, 2022, 55, 113001.	1.3	10
472	Magnetic order and electronic structure of [110]-oriented LaTiO ₃ films: A theoretical study. Europhysics Letters, 0, .	0.7	0
474	Negative zero-field-cooled magnetization and magnetic switching in multiferroic Lu _{0.5} Sc _{0.5} FeO ₃ ceramics. Journal of the American Ceramic Society, 2022, 105, 2058-2066.	1.9	2
475	Electric field- and strain-induced quantum phase transitions in a spin chain. Low Temperature Physics, 2021, 47, 948-952.	0.2	1
476	Scientific Background. Springer Theses, 2022, , 7-56.	0.0	0
477	Selection rules and dynamic magnetoelectric effect of the spin waves in multiferroic BiFeO ₃ . Physical Review B, 2021, 104, .	1.1	2
478	Strain-mediated voltage-controlled magnetic double-vortex states in elliptical nanostructures. Journal of Magnetism and Magnetic Materials, 2021, 547, 168729.	1.0	1
479	Magnetoelectric heterostructures for next-generation MEMS magnetic field sensing applications. Journal of Alloys and Compounds, 2022, 897, 163091.	2.8	25
480	Magnetoelectrics and Multiferroics. , 2021, , 595-623.		0
481	Two-dimensional multiferroics. Nanoscale, 2021, 13, 19324-19340.	2.8	32
482	Superconducting piezoelectric effect. Physical Review B, 2022, 105, .	1.1	8
483	Observation of magnetoelectric effect in the S=1/2 spin chain compound CoSe ₂ O ₅ single crystal. Applied Physics Letters, 2022, 120, 052901.	1.5	4
484	Impact of Ferroelectric Domain Structure on Bulk Photovoltaic Effect of Epitaxial BiFeO ₃ /CoFeO ₃ Films. Advanced Electronic Materials, 2022, 8, .	2.6	3
485	Microscopic origin of the spin-induced linear and quadratic magnetoelectric effects. Physical Review B, 2022, 105, .	1.1	3
486	Materials for a Sustainable Microelectronics Future: Electric Field Control of Magnetism with Multiferroics. Journal of the Indian Institute of Science, 2022, 102, 489-511.	0.9	3
487	The fourth fundamental circuit element: principle and applications. Journal Physics D: Applied Physics, 0, .	1.3	1
488	Ferroc phase transition molecular crystals. CrystEngComm, 2022, 24, 1507-1517.	1.3	25
489	Modeling of adsorption and release kinetics of methotrexate from thermo/magnetic responsive CoFe ₂ O ₄ @BaTiO ₃ , CoFe ₂ O ₄ @Bi ₄ Ti ₃ O ₁₂ and Fe ₃ O ₄ @BaTiO ₃ core-shell magnetoelectric nanoparticles functionalized with PNIPAm. Journal of Drug Delivery Science and Technology, 2022, 68, 103121.	1.4	6

#	ARTICLE	IF	CITATIONS
490	Magnetic properties of a highly ordered single crystal of the layered perovskite YBaCuFe _{0.95} Mn _{0.05} O ₅ . Journal of Magnetism and Magnetic Materials, 2022, 551, 169165.	1.0	3
491	Origin of nonlinear magnetoelectric response in rare-earth orthoferrite perovskite oxides. Physical Review B, 2022, 105, .	1.1	6
492	Magnetoelectric coupling effects on the band alignments of multiferroic In ₂ Se ₃ Cr ₃ trilayer heterostructures. Nanoscale, 2022, 14, 5454-5461.	2.8	5
493	Effects of Cr and Fe Substitution at Mn-Sites of Gd _{1-x} Mn _x O ₃ (X=0, 0.10) on its Structural and Complex Dielectric Properties. SSRN Electronic Journal, 0, , .	0.4	0
494	Hot hole transfer from Ag nanoparticles to multiferroic YMn ₂ O ₅ nanowires enables superior photocatalytic activity. Journal of Materials Chemistry C, 2022, 10, 4128-4139.	2.7	7
495	Electric field driven flat bands: Enhanced magnetoelectric and electrocaloric effects in frustrated quantum magnets. Physical Review B, 2022, 105, .	1.1	3
496	An ab initio DFT study of the optical and magnetic properties of Mn doped GaFeO ₃ . , 2022, , 207194.		0
497	Phase-field simulations of vortex chirality manipulation in ferroelectric thin films. Npj Quantum Materials, 2022, 7, .	1.8	22
498	Magnetoelectricity in two-dimensional materials. Advances in Physics: X, 2022, 7, .	1.5	4
499	Simple microscopic model for magnetoelectric coupling in type-II antiferromagnetic multiferroics. Physical Review B, 2022, 105, .	1.1	0
500	Biaxial paramagnet: Manifestation of the electro-magneto-elastic coupling. Low Temperature Physics, 2022, 48, 212-222.	0.2	4
501	Hexagonal yttrium manganite: A review on synthesis methods, physical properties and applications. Journal of Rare Earths, 2023, 41, 19-31.	2.5	4
502	Emergence of magnetic order and enhanced magnetoelectric coupling in Lu-doped Sm ₂ BaCuO ₅ . Ceramics International, 2022, 48, 10244-10250.	2.3	2
503	Reduction of the symmetry of a spin chain by external electric field and strain: Quantum effects. Physical Review B, 2022, 105, .	1.1	2
504	Ferroelectricity coexisted with p-orbital ferromagnetism and metallicity in two-dimensional metal oxynitrides. Npj Computational Materials, 2022, 8, .	3.5	20
505	Magnetic properties and structural anomalies observed in multiferroic NdFe ₃ (BO ₃) ₄ by ⁵⁷ Fe Mossbauer spectroscopy. Journal of Alloys and Compounds, 2022, 909, 164747.	2.8	3
506	Interface engineering in ferroelectrics: From films to bulks. Journal of Alloys and Compounds, 2022, 909, 164735.	2.8	12
507	Magnetoelectric Effect in Garnet Mn ₃ Al ₂ Ce ₃ O ₁₂ . Inorganic Chemistry, 2022, 61, 86-91.	1.9	3

#	ARTICLE	IF	CITATIONS
508	Synthesis and Investigation of Structural and Magnetic Properties of Nickel Doped BiFeO ₃ . Journal of the Institute of Science and Technology, 2021, 11, 2737-2745.	0.3	0
509	Direct Evidence for an Intermediate Multiferroic Phase in LiCuFe ₂ (VO ₄) ₃ . Inorganic Chemistry, 2022, 61, 944-949.	1.9	1
510	Direct evidence of mutual control of ferroelectric polarization and magnetization in Y-type hexaferrite BaSrCo ₂ Fe ₁₂ -Al ₂ O ₂₂ ceramics. Journal of Alloys and Compounds, 2022, 911, 165121.	2.8	2
511	Physical realization of topological Roman surface by spin-induced ferroelectric polarization in cubic lattice. Nature Communications, 2022, 13, 2373.	5.8	6
512	Electric conductivity and dielectric relaxation properties of BiFeO ₃ -YMnO ₃ solid solution. Ferroelectrics, 2022, 589, 103-122.	0.3	2
513	Self-biased characteristics of NZCF/BCZT layered magnetoelectric composites: A novel coupling paradigm in magnetoelectricity. Materials Chemistry and Physics, 2022, 287, 126302.	2.0	4
514	Science and Technology of Complex Correlated Oxides: The Legacy of John Goodenough. Journal of the Electrochemical Society, 0, , .	1.3	0
515	Toward Room-Temperature Electrical Control of Magnetic Order in Multiferroic van der Waals Materials. Nano Letters, 2022, 22, 5191-5197.	4.5	25
516	Pressure Control of the Structure and Multiferroicity in a Hydrogen-Bonded Metal-Organic Framework. Inorganic Chemistry, 0, , .	1.9	4
517	Influence of Substitution of Different Transition Metal Elements (Mn, Cr, Co) on the Properties of Bi _{0.88} Sm _{0.12} FeO ₃ -Based Ceramics. SSRN Electronic Journal, 0, , .	0.4	0
518	Multi-field tuning of dielectric relaxation in epitaxial multiferroic hexaferrite thin film around room temperature: Property and mechanisms. Ceramics International, 2022, , .	2.3	0
519	Domain switching dynamics in topological antiferroelectric vortex domains. Physical Review B, 2022, 106, .	1.1	3
521	Giant electric field-controlled magnetism in Bi _{0.86} Sm _{0.14} FeO ₃ multiferroic ceramics with <i>P</i> na ₂ 1 symmetry. Journal of the American Ceramic Society, 2022, 105, 6775-6786.	1.9	5
522	Local Structure and Room Ferromagnetism of Fe-Doped LiNbO ₃ Films. Journal of Superconductivity and Novel Magnetism, 0, , .	0.8	2
523	Two-Dimensional Terahertz Spectroscopy of Coupling Between Fundamental Excitations in Solids. , 2022, , .		0
524	Fractional quantum oscillator and disorder in the vibrational spectra. Scientific Reports, 2022, 12, .	1.6	0
526	Freestanding inorganic oxide films for flexible electronics. Journal of Applied Physics, 2022, 132, 070904.	1.1	4
527	Piezomagnetic switching of the anomalous Hall effect in an antiferromagnet at room temperature. Nature Physics, 2022, 18, 1086-1093.	6.5	25

#	ARTICLE	IF	CITATIONS
546	Aloivalent Calcium Substitution an Effective way to Enhance the Magnetolectric Coupling Properties of Multiferroic BiFeO ₃ . Physica Status Solidi (A) Applications and Materials Science, 0, , .	0.8	0
547	Controlling the electronic and magnetic properties in epitaxial LaMnO ₃ /LaScO ₃ superlattices. Journal Physics D: Applied Physics, 2022, 55, 495112.	1.3	0
548	High-temperature multiferroic magnetolectric sensors. Applied Physics Letters, 2022, 121, 192903.	1.5	3
549	First-principles calculations to investigate physical properties of three magnetic sub lattice CaCu ₃ Mn ₄ xO ₁₂ (x = 0, 2 and 4) system via symmetry evaluation. Materials Chemistry and Physics, 2023, 295, 127164.	2.0	6
550	Theory of hard magnetic soft materials to create magnetolectricity. Journal of the Mechanics and Physics of Solids, 2023, 171, 105136.	2.3	12
551	Effect of substrate on domain structure and bulk photovoltaic property in epitaxial BiFeO ₃ films. Physica B: Condensed Matter, 2023, 650, 414524.	1.3	1
552	Structural and Magnetic Phase Transitions in the Multiferroic HoFe ₃ (BO ₃) ₄ Observed by Mössbauer Spectroscopy and X-ray Diffraction. Journal of Experimental and Theoretical Physics, 2022, 135, 698-707.	0.2	1
553	Multiferroic nitride perovskites with giant polarizations and large magnetic moments. Physical Review B, 2022, 106, .	1.1	4
554	Helimagnets by disorder: Its role on the high-temperature magnetic spiral in the YBaCuFeO ₅ perovskite. Physical Review Research, 2022, 4, .		
555	Multiferroicity in a Two-Dimensional Non-van der Waals Crystal of AgCr ₂ X ₄ (X = S or Se). Journal of Physical Chemistry Letters, 2022, 13, 11346-11353.	2.1	5
556	Can the ferroelectric soft mode trigger an antiferromagnetic phase transition?. Journal of the European Ceramic Society, 2023, , .	2.8	1
557	Ferroelectric higher-order topological insulator in two dimensions. Physical Review B, 2023, 107, .	1.1	5
558	Linear magnetolectric memory and training effect in the honeycomb antiferromagnet Co ₉ O ₉ . Physical Review B, 2023, 107, .	1.1	3
559	Doping-induced magnetism and magnetolectric coupling in one-dimensional NbOCl ₃ and NbOBr ₃ . Physical Chemistry Chemical Physics, 0, , .	1.3	4
560	Features of Magnetic Ordering of Solid Solutions and Electrical Properties of Multiferroics (1-x)BiFeO ₃ -(x)YMnO ₃ , where Y = Sc or Y. Metallofizika I Noveishie Tekhnologii, 2022, 44, 1565-1573.	0.2	0
561	Multiferroic properties induced by defect dipoles in thin Ca ₃ Mn ₂ O ₇ films at room temperature. Ceramics International, 2023, 49, 13896-13902.	2.3	0
562	Domain-wall magnetolectric coupling in multiferroic hexagonal YbFeO ₃ films. Scientific Reports, 2023, 13, .	1.6	2
563	Structural evolution and coexistence of ferroelectricity and antiferromagnetism in Fe, Nb co-doped BaTiO ₃ ceramics. Journal of the European Ceramic Society, 2023, 43, 2460-2468.	2.8	5

#	ARTICLE	IF	CITATIONS
564	Reduced Leakage Current and Enhanced Photovoltaic Effect in Zn-Doped BiFeO ₃ Thin Films. ACS Applied Electronic Materials, 2023, 5, 1234-1242.	2.0	3
565	$\text{BiMn}_7\text{O}_{12}$: Polar antiferromagnetism by inverse exchange striction. Physical Review B, 2023, 107, .	1.1	1
566	Adsorption Tuning of Polarity and Magnetism in AgCr ₂ S ₄ Monolayer. Materials, 2023, 16, 3058.	1.3	1
567	Electric polarization reversal and nonlinear magnetoelectric coupling in the honeycomb antiferromagnet $\text{Fe}_4\text{Mn}_9\text{O}_{14}$ single crystal. Physical Review B, 2023, 107, .		
568	Tunable sliding ferroelectricity and magnetoelectric coupling in two-dimensional multiferroic MnSe materials. Npj Computational Materials, 2023, 9, .	3.5	24
569	Electric Grüneisen parameters for a biaxial spin-chain system. Physical Review B, 2023, 107, .	1.1	0
570	Gradient Strain-Induced Room-Temperature Ferroelectricity in Magnetic Double-Perovskite Superlattices. Small Methods, 2023, 7, .	4.6	3
571	Canting Angle Behavior of Magnetic Moments in Y-Substituted Tb ₂ BaNiO ₅ and Its Relevance for Magnetoelectric Coupling. Physica Status Solidi (B): Basic Research, 2023, 260, .	0.7	0
572	Imaging and control of periodic array of stripe domain and domain wall in epitaxial BiFeO ₃ thin films. International Journal of Modern Physics B, 2023, 37, .	1.0	1
573	Tuning magnetism by electric field in MnPS ₃ /Sc ₂ CO ₂ van der Waals heterostructure. Applied Physics Letters, 2023, 122, .	1.5	11
574	Strong spin-lattice entanglement in cobaltites. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 097502.	0.2	0
575	Modifying the magnetoelectric coupling in TbMn_3O_7 by low-level Fe substitution. Physical Review B, 2023, 107, .	1.1	2
576	Quantum theory of the intrinsic orbital magnetoelectric effect in itinerant electron systems at finite temperatures. Physical Review B, 2023, 107, .	1.1	2
577	Observation of Magnetic-Field-Induced Electric Polarization in Terbium Orthoferrite. JETP Letters, 2023, 117, 38-43.	0.4	2
578	High-pressure single crystal growth and magnetoelectric properties of CdMn ₇ O ₁₂ . Journal of Physics Condensed Matter, 2023, 35, 254001.	0.7	2
579	Interchain interactions induced multiferroicity in SrFe ₅ . Applied Physics Letters, 2023, 122, 122904.	1.5	0
580	Nonreciprocity of Optical Absorption in the Magnetoelectric Antiferromagnet CuB ₂ O ₄ . Magnetochemistry, 2023, 9, 95.	1.0	1
581	Great multiferroic properties in BiFeO ₃ /BaTiO ₃ system with composite-like structure. Applied Physics Letters, 2023, 122, 152904.	1.5	1

#	ARTICLE	IF	CITATIONS
582	Electrically manipulating magnetization reversal via energy band engineering. Science China: Physics, Mechanics and Astronomy, 2023, 66, .	2.0	1
583	Investigation of the effect of sintering temperatures on the structural and magnetic properties of (Bi _{0.90} Sm _{0.10} Fe _{0.93} Cr _{0.07} O ₃) ferrite. Materials Chemistry and Physics, 2023, 303, 127790.	2.0	0
597	Magnetoelectric ferrite-based composites. , 2023, , 669-692.		0
599	Spherical ferroelectric solitons. Nature Materials, 2023, 22, 553-561.	13.3	6
600	Switching magnetic strip orientation using electric fields. Materials Horizons, 0, , .	6.4	1