Shuai Dong

List of Publications by Year in Descending Order

273 papers	7,275 citations	40 h-index	74 g-index
293 ext. papers	8,584 ext. citations	4.8 avg, IF	6.22 L-index

#	Paper	IF	Citations
273	Stability and low-energy orientations of interphase boundaries in multiaxial ferroelectrics: Phase-field simulations. *Physical Review B*, **2022**, 105,	3.3	1
272	Structural reconstruction and anisotropic conductance in 4f-ferromagnetic monolayer. *Materials Today Physics*, **2022**, 100693	8	0
271	Electronic Transport Properties of Nb1−xTaxSb2 Single-Crystal Semimetals Grown by a Chemical Vapor Transport Based High-Throughput Method. *Crystal Growth and Design*, **2021**, 21, 653-662	3.5	0
270	Manipulation of Magnetic Domain Walls by Ferroelectric Switching: Dynamic Magnetoelectricity at the Nanoscale. *Physical Review Letters*, **2021**, 126, 117603	7.4	3
269	Peierls transition driven ferroelasticity in the two-dimensional d1 hybrid magnets. *Physical Review B*, **2021**, 103,	3.3	8
268	A DFT study of NO2 and SO2 gas-sensing properties of InX (X = Cl, Br and I) monolayers. *Journal of Materials Science*, **2021**, 56, 11828-11837	4.3	2
267	Noncollinear ferrielectricity and morphotropic phase boundary in monolayer GeS. *Physical Review B* , **2021**, 103,	3.3	4
266	Two-dimensional metallic BP as anode material for lithium-ion and sodium-ion batteries with unprecedented performance. *Journal of Materials Science*, **2021**, 56, 13763-13771	4.3	2
265	Ferroelectric Gourd goes into vdW atomic cage. *Frontiers of Physics*, **2021**, 16, 1	3.7	
264	Quantum spin Hall insulators and topological Rashba-splitting edge states in two-dimensional CX (X = Sb, Bi). *Physical Chemistry Chemical Physics*, **2021**, 23, 2134-2140	3.6	3
263	Giant Bulk Photostriction and Accurate Photomechanical Actuation in Hybrid Perovskites. *Advanced Optical Materials*, **2021**, 9, 2100837	8.1	1
262	Effect of Ti doping on electronic and magnetic properties of Sm0.55Sr0.45Mn1- xTixO3 (0.0≤x≤0.2). *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	1
261	Phase competition and negative piezoelectricity in interlayer-sliding ferroelectric ZrI2. *Physical Review Materials*, **2021**, 5,	3.2	4
260	Multiferroic properties of oxygen-functionalized magnetic i-MXene. *Physical Review Materials*, **2021** , 5,	3.2	4
259	Spin-constrained optoelectronic functionality in two-dimensional ferromagnetic semiconductor heterojunctions. *Materials Horizons*, **2021**, 8, 1323-1333	14.4	5
258	Similarities and differences between nickelate and cuprate films grown on a SrTiO3 substrate. *Physical Review B*, **2020**, 102,	3.3	18
257	Nonmonotonic crossover in electronic phase separated manganite superlattices driven by the superlattice period. *Physical Review B*, **2020**, 102,	3.3	4

256	Pressure-induced ferroelectric phase of LaMoN3. *Physical Review B*, **2020**, 102,	3.3	3
255	First-principles study of the low-temperature charge density wave phase in the quasi-one-dimensional Weyl chiral compound (TaSe4)2I. *Physical Review B*, **2020**, 101,	3.3	15
254	Antiferromagnetism of Double Molybdate LiFe(MoO). *Inorganic Chemistry*, **2020**, 59, 8127-8133	5.1	5
253	Prediction of a two-dimensional high-TC f-electron ferromagnetic semiconductor. *Materials Horizons*, **2020**, 7, 1623-1630	14.4	59
252	Iron telluride ladder compounds: Predicting the structural and magnetic properties of BaFe2Te3. *Physical Review B*, **2020**, 101,	3.3	10
251	Stability, electronic, and optical properties of lead-free halide double perovskites (CH3NH3)2InBiX6 (X = halogen). *Physical Review Materials*, **2020**, 4,	3.2	4
250	Charge-mediated magnetoelectricity: from ferroelectric field effect to charge-ordering ferroelectrics. *Wuli Xuebao/Acta Physica Sinica*, **2020**, 69, 217502	0.6	
249	Controlling the helicity of magnetic skyrmions by electrical field in frustrated magnets. *New Journal of Physics*, **2020**, 22, 083032	2.9	4
248	Ferroelectricity and ferromagnetism in a VOI2 monolayer: Role of the Dzyaloshinskii-Moriya interaction. *Physical Review B*, **2020**, 102,	3.3	15
247	Prediction of two-dimensional ferromagnetic ferroelectric VOF monolayer. *Physical Chemistry Chemical Physics*, **2020**, 22, 24109-24115	3.6	14
246	Magnetotransport properties of square-net compounds of NbSiSb and NbGeSb single crystals. *Journal of Physics Condensed Matter*, **2020**, 32, 435701	1.8	0
245	Ferroic orders in two-dimensional transition/rare-earth metal halides. *APL Materials*, **2020**, 8, 110704	5.7	10
244	Direct visualization of irreducible ferrielectricity in crystals. *Npj Quantum Materials*, **2020**, 5,	5	3
243	Data-driven computational prediction and experimental realization of exotic perovskite-related polar magnets. *Npj Quantum Materials*, **2020**, 5,	5	6
242	Anomalous polarization switching and permanent retention in a ferroelectric ionic conductor. *Materials Horizons*, **2020**, 7, 263-274	14.4	32
241	Room-Temperature Ferroelectricity in Group-IV Metal Chalcogenide Nanowires. *Journal of the American Chemical Society*, **2019**, 141, 15040-15045	16.4	19
240	Predicted polymorph manipulation in an exotic double perovskite oxide. *Journal of Materials Chemistry C*, **2019**, 7, 12306-12311	7.1	6
239	Low-temperature crystal and magnetic structures of the magnetoelectric material Fe4Nb2O9. *Physical Review B*, **2019**, 100,	3.3	9

238	Giant anisotropic magnetoresistance and nonvolatile memory in canted antiferromagnet SrIrO. *Nature Communications*, **2019**, 10, 2280	17.4	19
237	Possible emergence of a skyrmion phase in ferroelectric GaMo4S8. *Physical Review B*, **2019**, 99,	3.3	15
236	Electronic Transport Evidence for Topological Nodal-Line Semimetals of ZrGeSe Single Crystals. *ACS Applied Electronic Materials*, **2019**, 1, 869-876	4	13
235	Magnetic borophenes from an evolutionary search. *Physical Review B*, **2019**, 99,	3.3	15
234	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. *Science Advances*, **2019**, 5, eaav3780	14.3	74
233	Pulsed Laser Deposition of CsPbBr3 Films for Application in Perovskite Solar Cells. *ACS Applied Energy Materials*, **2019**, 2, 2305-2312	6.1	31
232	A 0D Lead-Free Hybrid Crystal with Ultralow Thermal Conductivity. *Advanced Functional Materials*, **2019**, 29, 1809166	15.6	23
231	Magnetoelectricity in multiferroics: a theoretical perspective. *National Science Review*, **2019**, 6, 629-641	10.8	62
230	Anisotropic resistance switching in hexagonal manganites. *Physical Review B*, **2019**, 99,	3.3	11
229	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. *Physical Review Letters*, **2019**, 123, 067601	7.4	30
228	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. *Nature Communications*, **2019**, 10, 3149	17.4	20
227	Challenges in band alignment between semiconducting materials: A case of rutile and anatase TiO2. *Progress in Natural Science: Materials International*, **2019**, 29, 277-284	3.6	25
226	Strain-Induced Slater Transition in Polar Metal LiOsO3. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1900436	2.5	2
225	Quasi-one-dimensional ferroelectricity and piezoelectricity in WOX4 halogens. *Physical Review Materials*, **2019**, 3,	3.2	9
224	Robust manipulation of magnetism in LaO/BaTiO (= Fe, Mn and Cr) superstructures by ferroelectric polarization. *IUCrJ*, **2019**, 6, 189-196	4.7	8
223	Tuning Magnetism in Layered Magnet VI3: A Theoretical Study. *Journal of Physical Chemistry C*, **2019**, 123, 30545-30550	3.8	23
222	Oxidized Silicon Sulfide: Stability and Electronic Properties of a Novel Two-Dimensional Material. *Journal of Physical Chemistry C*, **2019**, 123, 29986-29993	3.8	2
221	Magnetic states of iron-based two-leg ladder tellurides. *Physical Review B*, **2019**, 100,	3.3	13

220	Influence of drying temperature on morphology of MAPbI3 thin films and the performance of solar cells. *Journal of Alloys and Compounds*, **2019**, 773, 511-518	5.7	19
219	Hidden metal-insulator transition in manganites synthesized via a controllable oxidation. *Science China Materials*, **2019**, 62, 577-585	7.1	6
218	Ab initio understanding of magnetic properties in Zn2+ substitution of Fe3O4 ultra-thin film with dilute Zn substitution. *AIP Advances*, **2018**, 8, 055807	1.5	3
217	Revealing Controllable Anisotropic Magnetoresistance in Spin□Orbit Coupled Antiferromagnet Sr2IrO4. *Advanced Functional Materials*, **2018**, 28, 1706589	15.6	22
216	Surface Vacancy-Induced Switchable Electric Polarization and Enhanced Ferromagnetism in Monolayer Metal Trihalides. *Nano Letters*, **2018**, 18, 2943-2949	11.5	94
215	Extreme magnetoresistance and SdH oscillation in compensated semimetals of NbSb2 single crystals. *Journal of Applied Physics*, **2018**, 123, 155103	2.5	8
214	Proton transfer ferroelectricity/multiferroicity in rutile oxyhydroxides. *Nanoscale*, **2018**, 10, 9509-9515	7.7	12
213	Sequential structural and antiferromagnetic transitions in BaFe2Se3 under pressure. *Physical Review B*, **2018**, 97,	3.3	27
212	Synthesis of Wurtzite CuZnSnS Nanosheets with Exposed High-Energy (002) Facets for Fabrication of Efficient Pt-Free Solar Cell Counter Electrodes. *Scientific Reports*, **2018**, 8, 248	4.9	22
211	Large enhancement of upconversion luminescence in Er3+/In3+:Ba0.85Ca0.15TiO3 lead-free piezoelectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 9007-9015	2.1	3
210	Promoting polysulfide redox reactions and improving electronic conductivity in lithium□sulfur batteries via hierarchical cathode materials of graphene-wrapped porous TiO2 microspheres with exposed (001) facets. *Journal of Materials Chemistry A*, **2018**, 6, 16574-16582	13	40
209	Persistent Large Anisotropic Magnetoresistance and Insulator-to-Metal Transition in Spin-Orbit-Coupled Sr2(Ir1□Gax)O4 for Antiferromagnetic Spintronics. *Physical Review Applied*, **2018**, 10,	4.3	4
208	Direct observation of ferroelectricity in Ca3Mn2O7 and its prominent light absorption. *Applied Physics Letters*, **2018**, 113, 022902	3.4	35
207	Type-II Multiferroic HfVCF MXene Monolayer with High Transition Temperature. *Journal of the American Chemical Society*, **2018**, 140, 9768-9773	16.4	105
206	High Curie-temperature intrinsic ferromagnetism and hole doping-induced half-metallicity in two-dimensional scandium chlorine monolayers. *Nanoscale Horizons*, **2018**, 3, 551-555	10.8	49
205	New iron-based multiferroics with improper ferroelectricity. *Journal Physics D: Applied Physics*, **2018**, 51, 243002	3	4
204	Application of Compact TiO2 Layer Fabricated by Pulsed Laser Deposition in Organometal Trihalide Perovskite Solar Cells. *Solar Rrl*, **2018**, 2, 1800097	7.1	14
203	Stabilization and modulation of the topological magnetic phase with a Z2-vortex lattice in the Kitaev-Heisenberg honeycomb model: The key role of the third-nearest-neighbor interaction. *Physical Review B*, **2018**, 98,	3.3	2

202	Observation of superconductivity in structure-selected Ti2O3 thin films. *NPG Asia Materials*, **2018**, 10, 522-532	10.3	20
201	Room-temperature ferrimagnetic multiferroic BiFe0.5Co0.5O3 thin films with giant piezoelectric response. *Physical Review Materials*, **2018**, 2,	3.2	10
200	Protective layer enhanced the stability and superconductivity of tailored antimonene bilayer. *Physical Review Materials*, **2018**, 2,	3.2	4
199	Orthorhombic Ti2O3: A Polymorph-Dependent Narrow-Bandgap Ferromagnetic Oxide. *Advanced Functional Materials*, **2018**, 28, 1705657	15.6	21
198	Possible Origin of the Absence of Magnetic Order in LiOsO3: Spin□Orbit Coupling Controlled Ground State. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800396	2.5	5
197	Unusual Ferroelectricity of Trans-Unitcell Ion-Displacement and Multiferroic Soliton in Sodium and Potassium Hydroxides. *ACS Applied Materials & Interfaces*, **2018**, 10, 35361-35366	9.5	6
196	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. *Advanced Materials*, **2018**, 30, e1803249	24	45
195	Electron mass enhancement and magnetic phase separation near the Mott transition in double-layer ruthenates. *Frontiers of Physics*, **2018**, 13, 1	3.7	2
194	Depth-dependent atomic valence determination by synchrotron techniques. *Journal of Synchrotron Radiation*, **2018**, 25, 1711-1718	2.4	
193	Structural transitions in hybrid improper ferroelectric Ca3Ti2O7 tuned by site-selective isovalent substitutions: A first-principles study. *Physical Review B*, **2018**, 97,	3.3	13
192	Visualization of Electronic Multiple Ordering and Its Dynamics in High Magnetic Field: Evidence of Electronic Multiple Ordering Crystals. *ACS Applied Materials & Interfaces*, **2018**, 10, 20136-20141	9.5	3
191	Dynamics of distorted skyrmions in strained chiral magnets. *New Journal of Physics*, **2018**, 20, 063050	2.9	7
190	Unexpected Intermediate State Photoinduced in the Metal-Insulator Transition of Submicrometer Phase-Separated Manganites. *Physical Review Letters*, **2018**, 120, 267202	7.4	10
189	Current-induced multiple domain wall motion modulated by magnetic pinning in zigzag shaped nanowires. *AIP Advances*, **2017**, 7, 056014	1.5	2
188	Superconductivity of monolayer MoC: The key role of functional groups. *Journal of Chemical Physics* , **2017**, 146, 034705	3.9	44
187	Magnetic and electronic properties of La MO and possible polaron formation in hole-doped La MO (M = Ru and Os). *Journal of Physics Condensed Matter*, **2017**, 29, 095803	1.8	
186	BaMF4 (M = Mn, Co, Ni): New electrode materials for hybrid supercapacitor with layered polar structure. *Journal of Power Sources*, **2017**, 359, 585-591	8.9	10
185	Interface-induced multiferroism by design in complex oxide superlattices. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E5062-E5069	11.5	31

184	Translating XPS Measurement Procedure for Band Alignment into Reliable Ab Initio Calculation Method. *Journal of Physical Chemistry C*, **2017**, 121, 7139-7143	3.8	11
183	Canted magnetic ground state of quarter-doped manganites R CaMnO (R = Y, Tb, Dy, Ho, and Er). *Journal of Physics Condensed Matter*, **2017**, 29, 065802	1.8	3
182	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn Cr O. *Advanced Materials*, **2017**, 29, 1703435	24	32
181	Helical and skyrmion lattice phases in three-dimensional chiral magnets: Effect of anisotropic interactions. *Scientific Reports*, **2017**, 7, 7392	4.9	10
180	Preparation of CHNHPbI thin films with tens of micrometer scale at high temperature. *Scientific Reports*, **2017**, 7, 8458	4.9	13
179	Combined EELS and XAS Analysis of the Relationship between Depth Dependence and Valence in LSMO Thin Films. *Microscopy and Microanalysis*, **2017**, 23, 1600-1601	0.5	
178	Appearance and disappearance of ferromagnetism in ultrathin LaMnO3 on SrTiO3 substrate: A viewpoint from first principles. *Physical Review B*, **2017**, 96,	3.3	19
177	Deeply Repairing Surface States with Wet Chemistry Methods: Enhanced Performance in TiO2 Nanowire Arrays-Based Optoelectronic Device. *ChemistrySelect*, **2017**, 2, 10971-10978	1.8	10
176	Photocatalytic Behavior of Fluorinated Rutile TiO2(110) Surface: Understanding from the Band Model. *Solar Rrl*, **2017**, 1, 1700183	7.1	14
175	Reversibility of magnetic field driven transition from electronic phase separation state to single-phase state in manganites: A microscopic view. *Physical Review B*, **2017**, 96,	3.3	5
174	Multiferroics: Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn3Cr4O12 (Adv. Mater. 44/2017). *Advanced Materials*, **2017**, 29,	24	4
173	(LaTiO3)n/(LaVO3)n as a model system for unconventional charge transfer and polar metallicity. *Physical Review B*, **2017**, 95,	3.3	8
172	Cycloidal magnetism driven ferroelectricity in double tungstate LiFe(WO4)2. *Physical Review B*, **2017**, 95,	3.3	14
171	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders AFe2X3 (A=Ba,K; X=S,Se). *Physical Review B*, **2017**, 95,	3.3	31
170	High-Performance Photothermal Conversion of Narrow-Bandgap Ti O Nanoparticles. *Advanced Materials*, **2017**, 29, 1603730	24	529
169	Exchange striction driven magnetodielectric effect and potential photovoltaic effect in polar CaOFeS. *Physical Review Materials*, **2017**, 1,	3.2	11
168	Ferroelectric ferrimagnetic LiFe2F6: Charge-ordering-mediated magnetoelectricity. *Physical Review Materials*, **2017**, 1,	3.2	13
167	Surface Electronic Structure of Hybrid Organo Lead Bromide Perovskite Single Crystals. *Journal of Physical Chemistry C*, **2016**, 120, 21710-21715	3.8	52

166	Electronic structure and stability of the CH3NH3PbBr3 (001) surface. *Physical Review B*, **2016**, 94,	3.3	42
165	Synthesis, Optical, and Magnetic Properties of BaNiF Nanowires. *ACS Applied Materials & Interfaces*, **2016**, 8, 26213-26219	9.5	4
164	Block antiferromagnetism and possible ferroelectricity in KFe2Se2. *Physica Status Solidi - Rapid Research Letters*, **2016**, 10, 757-761	2.5	5
163	Prediction of above 20 K superconductivity of blue phosphorus bilayer with metal intercalations. *2D Materials*, **2016**, 3, 035006	5.9	32
162	Direct observation of current-induced conductive path in colossal-electroresistance manganite thin films. *Physical Review B*, **2016**, 93,	3.3	15
161	Hexagonal phase stabilization and magnetic orders of multiferroic Lu1ScxFeO3. *Physical Review B*, **2016**, 93,	3.3	43
160	Phase transitions in a frustrated biquadratic Heisenberg model with coupled orbital degrees of freedom for iron-based superconductors. *Physical Review B*, **2016**, 93,	3.3	5
159	Strain-enhanced superconductivity of MoX2(X=S?or Se) bilayers with Na intercalation. *Physical Review B*, **2016**, 93,	3.3	36
158	Spin glass state and enhanced spiral phase in doped delafossite oxide CuCrO2. *Physical Review B*, **2016**, 94,	3.3	4
157	Role of further-neighbor interactions in modulating the critical behavior of the Ising model with frustration. *Physical Review E*, **2016**, 93, 032114	2.4	7
156	Topological end states in two-orbital double-exchange model for colossal magnetoresistive manganites. *Physical Review B*, **2016**, 93,	3.3	2
155	Ferroelectricity in Covalently functionalized Two-dimensional Materials: Integration of High-mobility Semiconductors and Nonvolatile Memory. *Nano Letters*, **2016**, 16, 7309-7315	11.5	83
154	Single-Phase Type-II Multiferroics. *Series in Materials Science and Engineering*, **2016**, 99-137		
153	Chemical ordering suppresses large-scale electronic phase separation in doped manganites. *Nature Communications*, **2016**, 7, 11260	17.4	43
152	Facet engineering of monodisperse PbS nanocrystals with shape- and facet-dependent photoresponse activity. *RSC Advances*, **2016**, 6, 107151-107157	3.7	17
151	Topological triple-vortex lattice stabilized by mixed frustration in expanded honeycomb Kitaev-Heisenberg model. *Scientific Reports*, **2016**, 6, 26750	4.9	7
150	Possible ferrimagnetism and ferroelectricity of half-substituted rare-earth titanate: A first-principles study on Y0.5La0.5TiO3. *Frontiers of Physics*, **2016**, 11, 1	3.7	4
149	Prediction of topological insulators in supercubane-like materials based on first-principles calculations. *Journal of Physics Condensed Matter*, **2016**, 28, 125502	1.8	

148	Strong room-temperature blue-violet photoluminescence of multiferroic BaMnF4. *Physical Chemistry Chemical Physics*, **2016**, 18, 2054-8	3.6	6
147	Nanoscale Chemical and Valence Evolution at the Metal/Oxide Interface: A Case Study of Ti/SrTiO3. *Advanced Materials Interfaces*, **2016**, 3, 1600201	4.6	21
146	Interfacial phase competition induced Kondo-like effect in manganite-insulator composites. *Frontiers of Physics*, **2016**, 11, 1	3.7	5
145	Effect of further-neighbor interactions on the magnetization behaviors of the Ising model on a triangular lattice. *Journal of Physics Condensed Matter*, **2016**, 28, 346004	1.8	2
144	Magnetization switching in the BiFe0.9Mn0.1O3 thin films modulated by resistive switching process. *Applied Physics Letters*, **2016**, 109, 112903	3.4	15
143	Two-Step Antiferromagnetic Transitions and Ferroelectricity in Spin-1 Triangular-Lattice Antiferromagnetic Sr3NiTa2O9. *Inorganic Chemistry*, **2016**, 55, 2709-16	5.1	11
142	Competing Interfacial Reconstruction Mechanisms in La0.7Sr0.3MnO3/SrTiO3 Heterostructures. *ACS Applied Materials & Interfaces*, **2016**, 8, 24192-7	9.5	18
141	Versatile Titanium Silicide Monolayers with Prominent Ferromagnetic, Catalytic, and Superconducting Properties: Theoretical Prediction. *Journal of Physical Chemistry Letters*, **2016**, 7, 3723-3729	6.4	24
140	Enhancing the Spin-Orbit Coupling in FeO Epitaxial Thin Films by Interface Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 27353-27359	9.5	14
139	Inversion of Ferrimagnetic Magnetization by Ferroelectric Switching via a Novel Magnetoelectric Coupling. *Physical Review Letters*, **2016**, 117, 037601	7.4	33
138	Hydroxylation of the Rutile TiO2(110) Surface Enhancing Its Reducing Power for Photocatalysis. *Journal of Physical Chemistry C*, **2015**, 119, 1451-1456	3.8	38
137	The ferroelectric polarization of Y2CoMnO6 aligns along the b-axis: the first-principles calculations. *Physical Chemistry Chemical Physics*, **2015**, 17, 20961-70	3.6	18
136	A class of rare antiferromagnetic metallic oxides: double perovskite AMn3V4O12 (A = Na(+), Ca(2+), and La(3+)) and the site-selective doping effect. *Physical Chemistry Chemical Physics*, **2015**, 17, 12717-21	3.6	5
135	Orientation-dependent ferroelectricity of strained PbTiO3 films. *Frontiers of Physics*, **2015**, 10, 1	3.7	4
134	Orientation-dependent magnetism and orbital structure of strained YTiO3 films on LaAlO3 substrates. *Journal of Applied Physics*, **2015**, 117, 17C703	2.5	2
133	Phase transition in orthorhombic perovskite Sm1−xLuxMnO3: Evidenced by the emergence of ferroelectric polarization. *Journal of Applied Physics*, **2015**, 117, 17D913	2.5	
132	Magnetic and ferroelectric orders in strained Gd1/2Na1/2TiO3: First-principles calculations. *Journal of Applied Physics*, **2015**, 117, 17C742	2.5	1
131	Dual gate control of bulk transport and magnetism in the spin-orbit insulator Sr2IrO4. *Physical Review B*, **2015**, 91,	3.3	20

130	Magnetism and electronic structure of (001)- and (111)-oriented LaTiO3 bilayers sandwiched in LaScO3 barriers. *Journal of Applied Physics*, **2015**, 117, 17C716	2.5	6
129	Enhanced magnetism-generated ferroelectricity in highly frustrated Fe-doped Ho2Ti2O7. *Journal of Applied Physics*, **2015**, 117, 17D915	2.5	0
128	Electric-dipole effect of defects on the energy band alignment of rutile and anatase TiO□*Physical Chemistry Chemical Physics*, **2015**, 17, 29079-84	3.6	21
127	Influence of vacuum degree on growth of Bi 2 Te 3 single crystal. *Chinese Physics B*, **2015**, 24, 078101	1.2	1
126	Temperature dependent coercivity and magnetization of light rare-earth Nd doped permalloy thin films. *Journal of Magnetism and Magnetic Materials*, **2015**, 374, 711-715	2.8	28
125	Hexagonal rare-earth manganites as promising photovoltaics and light polarizers. *Physical Review B* , **2015**, 92,	3.3	62
124	Topological magnetic phase in LaMnO3 (111) bilayer. *Physical Review B*, **2015**, 92,	3.3	24
123	Strain Doping: Reversible Single-Axis Control of a Complex Oxide Lattice via Helium Implantation. *Physical Review Letters*, **2015**, 114, 256801	7.4	64
122	Observation of Magnetoelectric Multiferroicity in a Cubic Perovskite System: LaMn(3)Cr(4)O(12). *Physical Review Letters*, **2015**, 115, 087601	7.4	79
121	Charge transfer and hybrid ferroelectricity in (YFeO3)n/(YTiO3)n magnetic superlattices. *Physical Review B*, **2015**, 91,	3.3	29
120	Magnetoelectricity coupled exchange bias in BaMnF4. *Scientific Reports*, **2015**, 5, 18392	4.9	18
119	Thickness dependence of La0.7Sr0.3MnO3/PbZr0.2Ti0.8O3 magnetoelectric interfaces. *Applied Physics Letters*, **2015**, 107, 141603	3.4	10
118	Ferroelectricity driven magnetism at domain walls in LaAlO3/PbTiO3 superlattices. *Scientific Reports*, **2015**, 5, 13052	4.9	15
117	Manipulating the ferromagnetism in narrow-bandwidth Pr1-xCaxMnO3 (0≤x≤0.6) by means of the Mn-Ru t2g ferromagnetic super-exchanges. *Journal of Applied Physics*, **2015**, 118, 123901	2.5	4
116	Improving the photocatalytic activity of TiO2 through reduction. *RSC Advances*, **2015**, 5, 35661-35666	3.7	16
115	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. *Advances in Physics*, **2015**, 64, 519-626	18.4	486
114	Experimental observation of magnetoelectricity in spin ice Dy2Ti2O7. *New Journal of Physics*, **2015**, 17, 123018	2.9	11
113	Ferrielectricity in DyMn2O5: A golden touchstone for multiferroicity of RMn2O5 family. *Journal of Advanced Dielectrics*, **2015**, 05, 1530003	1.3	12

112	First-principles study of the relaxor ferroelectricity of Ba(Zr, Ti)O 3. *Chinese Physics B*, **2015**, 24, 127702	1.2	3
111	Visualization of a ferromagnetic metallic edge state in manganite strips. *Nature Communications*, **2015**, 6, 6179	17.4	38
110	Enhanced nematic and antiferromagnetic phases in the spin-fermion model for strained iron pnictides. *New Journal of Physics*, **2015**, 17, 013011	2.9	6
109	Coupled ferroelectric polarization and magnetization in spinel FeCr2S4. *Scientific Reports*, **2014**, 4, 6530	4.9	28
108	Novel multiferroicity in GdMnO3 thin films with self-assembled nano-twinned domains. *Scientific Reports*, **2014**, 4, 7019	4.9	28
107	Phase transition and phase separation in multiferroic orthorhombic Dy(1-x)Ho(x)MnO3 (0 ≤ x ≤ 1). *Scientific Reports*, **2014**, 4, 6506	4.9	13
106	Experimental observation of ferrielectricity in multiferroic DyMn2O5. *Scientific Reports*, **2014**, 4, 3984	4.9	36
105	Magnetic orders in pnictide superconductors: the effect of biquadratic interaction. *New Journal of Physics*, **2014**, 16, 053027	2.9	6
104	Correlating interfacial octahedral rotations with magnetism in (LaMnO3+δ)N/(SrTiO3)N superlattices. *Nature Communications*, **2014**, 5, 4283	17.4	87
103	BaFe(2)Se(3) a high T(C) magnetic multiferroic with large ferrielectric polarization. *Physical Review Letters*, **2014**, 113, 187204	7.4	54
102	Spin transport in CH3NH3PbI3. *Journal Physics D: Applied Physics*, **2014**, 47, 405002	3	4
101	LaSrVO4: A candidate for the spin-orbital liquid state. *Physical Review B*, **2014**, 89,	3.3	7
100	Magnetic properties and electronic structures of (YTiO3)2/(BaTiO3)n superlattices. *Journal of Applied Physics*, **2014**, 115, 17D710	2.5	7
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