

Shuai Dong

List of Publications by Year in descending order

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286
papers

9,740
citations

50170

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293
all docs

293
docs citations

293
times ranked

10616
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-Light Photocatalytic Properties of Weak Magnetic BiFeO ₃ Nanoparticles. Advanced Materials, 2007, 19, 2889-2892.	11.1	837
2	High-Performance Photothermal Conversion of Narrow-Bandgap Ti ₂ O ₃ Nanoparticles. Advanced Materials, 2017, 29, 1603730.	11.1	766
3	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. Advances in Physics, 2015, 64, 519-626.	35.9	661
4	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
5	Surface Vacancy-Induced Switchable Electric Polarization and Enhanced Ferromagnetism in Monolayer Metal Trihalides. Nano Letters, 2018, 18, 2943-2949.	4.5	157
6	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. Science Advances, 2019, 5, eaav3780.	4.7	157
7	Multiferroic properties of CaMn ₇ O ₁₂ . Physical Review B, 2011, 84, 120408.	1.1	142
8	Prediction of a two-dimensional high-T _C f-electron ferromagnetic semiconductor. Materials Horizons, 2020, 7, 1623-1630.	6.4	141
9	Exchange Bias Driven by the Dzyaloshinskii-Moriya Interaction and Ferroelectric Polarization at G-Type Antiferromagnetic Perovskite Interfaces. Physical Review Letters, 2009, 103, 127201.	2.9	132
10	Magnetoelectricity in multiferroics: a theoretical perspective. National Science Review, 2019, 6, 629-641.	4.6	129
11	Ferromagnetic tendency at the surface of CE-type charge-ordered manganites. Physical Review B, 2008, 78, .	1.1	121
12	Surface phase separation in nanosized charge-ordered manganites. Applied Physics Letters, 2007, 90, 082508.	1.5	115
13	Tunneling Electroresistance Induced by Interfacial Phase Transitions in Ultrathin Oxide Heterostructures. Nano Letters, 2013, 13, 5837-5843.	4.5	115
14	RECENT PROGRESS OF MULTIFERROIC PEROVSKITE MANGANITES. Modern Physics Letters B, 2012, 26, 1230004.	1.0	114
15	Giant Ferroelectric Polarization of CaMn ₇ O ₁₂ Induced by a Combined Effect of Dzyaloshinskii-Moriya Interaction and Exchange Striction. Physical Review Letters, 2010, 105, 107204.	2.9	107
16	Origin of multiferroic spiral spin order in the R ₂ MnO ₇ . Physical Review B, 2008, 78, .	11.1	106
17	Observation of Magnetoelectric Multiferroicity in a Cubic Perovskite System: LaMnO ₃ . Physical Review Letters, 2015, 115, 087601.	11.1	106
18	Correlating interfacial octahedral rotations with magnetism in (LaMnO ₃ + $\hat{1}$)N/(SrTiO ₃)N superlattices. Nature Communications, 2014, 5, 4283.	5.8	103

#	ARTICLE	IF	CITATIONS
19	Hexagonal rare-earth manganites as promising photovoltaics and light polarizers. <i>Physical Review B</i> , 2015, 92, .	1.1	100
20	Ferroelectricity in Covalently functionalized Two-dimensional Materials: Integration of High-mobility Semiconductors and Nonvolatile Memory. <i>Nano Letters</i> , 2016, 16, 7309-7315.	4.5	99
21	Charge-order breaking and ferromagnetism in La _{0.4} Ca _{0.6} MnO ₃ nanoparticles. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	95
22	Anomalous polarization switching and permanent retention in a ferroelectric ionic conductor. <i>Materials Horizons</i> , 2020, 7, 263-274.	6.4	88
23	Strain Doping: Reversible Single-Axis Control of a Complex Oxide Lattice via Helium Implantation. <i>Physical Review Letters</i> , 2015, 114, 256801.	2.9	84
24	Magnetism, conductivity, and orbital order in		

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37	Giant anisotropic magnetoresistance and nonvolatile memory in canted antiferromagnet Sr2IrO4. Nature Communications, 2019, 10, 2280.	5.8	55
38	Steplike magnetization of spin chains in a triangular lattice: Monte Carlo simulations. Physical Review B, 2006, 73, .	1.1	53
39	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. Physical Review Letters, 2019, 123, 067601.	2.9	52
40	Challenges in band alignment between semiconducting materials: A case of rutile and anatase TiO2. Progress in Natural Science: Materials International, 2019, 29, 277-284.	1.8	52
41	Microscopic model for the ferroelectric field effect in oxide heterostructures. Physical Review B, 2011, 84, .	1.1	51
42	Direct observation of ferroelectricity in Ca3Mn2O7 and its prominent light absorption. Applied Physics Letters, 2018, 113, .	1.5	51
43	Quantum confinement induced magnetism in LaNiO ₃ -LaMnO ₃ superlattices. Physical Review B, 2013, 87, .	1.1	50
44	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn ₃ Cr ₄ O ₁₂ . Advanced Materials, 2017, 29, 1703435.	11.1	50
45	Electronic structure and stability of the CaMnO_3 superlattice. Physical Review B, 2013, 87, .	1.1	49
46	Hydroxylation of the Rutile TiO ₂ (110) Surface Enhancing Its Reducing Power for Photocatalysis. Journal of Physical Chemistry C, 2015, 119, 1451-1456.	1.5	48
47	Promoting polysulfide redox reactions and improving electronic conductivity in lithium-sulfur batteries via hierarchical cathode materials of graphene-wrapped porous TiO ₂ microspheres with exposed (001) facets. Journal of Materials Chemistry A, 2018, 6, 16574-16582.	5.2	47
48	Full control of magnetism in a manganite bilayer by ferroelectric polarization. Physical Review B, 2013, 88, .	1.1	46
49	Sequential structural and antiferromagnetic transitions in BaFe ₂ As ₂ under pressure. Physical Review B, 2018, 97, .	1.1	46
50	Pulsed Laser Deposition of CsPbBr ₃ Films for Application in Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 2305-2312.	2.5	46
51	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders AFe_2As_2 .		

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55	Observation of superconductivity in structure-selected Ti ₂ O ₃ thin films. NPG Asia Materials, 2018, 10, 522-532.	3.8	43
56	Ho substitution suppresses collinear Dy spin order and enhances polarization in DyMnO ₃ . Applied Physics Letters, 2011, 99, .	1.5	42
57	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.	3.3	42
58	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. Nature Communications, 2019, 10, 3149.	5.8	42
59	Experimental observation of ferroelectricity in multiferroic DyMn ₂ O ₅ . Scientific Reports, 2014, 4, 3984.	1.6	41
60	Striped Multiferroic Phase in Double-Exchange Model for Quarter-Doped Manganites. Physical Review Letters, 2009, 103, 107204.	2.9	40
61	Prediction of above 20 K superconductivity of blue phosphorus bilayer with metal intercalations. 2D Materials, 2016, 3, 035006.	2.0	40
62	Polarization enhancement and ferroelectric switching enabled by interacting magnetic structures in DyMnO ₃ thin films. Scientific Reports, 2013, 3, 3374.	1.6	39
63	Similarities and differences between nickelate and cuprate films grown on a SrTiO_3 substrate. Physical Review B, 2020, 102, .		
64	Coupled ferroelectric polarization and magnetization in spinel FeCr ₂ S ₄ . Scientific Reports, 2014, 4, 6530.	1.6	38
65	Ferroelectricity of polycrystalline GdMnO ₃ and multifold magnetoelectric responses. Applied Physics A: Materials Science and Processing, 2013, 112, 947-954.	1.1	37
66	Tuning Magnetism in Layered Magnet V ₃ : A Theoretical Study. Journal of Physical Chemistry C, 2019, 123, 30545-30550.	1.5	37
67	Ferroelectricity and ferromagnetism in a VO_2 monolayer: Role of the Dzyaloshinskii-Moriva interaction. Physical Review B, 2020, 102, .	1.1	37
68	Specific heat anomalies and possible Griffiths-like phase in La _{0.4} Ca _{0.6} MnO ₃ nanoparticles. Journal of Applied Physics, 2008, 103, 07F714.	1.1	36
69	Inversion of Ferrimagnetic Magnetization by Ferroelectric Switching via a Novel Magnetoelectric Coupling. Physical Review Letters, 2016, 117, 037601.	2.9	36
70	Orthorhombic Ti ₂ O ₃ : A Polymorph-Dependent Narrow-Bandgap Ferromagnetic Oxide. Advanced Functional Materials, 2018, 28, 1705657.	7.8	36
71	First-principles study of the low-temperature charge density wave phase in the quasi-one-dimensional Weyl chiral compound TaSe_3 . Physical Review B, 2020, 101, .	1.1	36
72	Multiferroic response and clamped domain structure in a two-dimensional spiral magnet: Monte Carlo simulation. Physical Review B, 2008, 77, .	1.1	35

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73	Charge transfer and hybrid ferroelectricity in YFeO_3 and YTiO_3 magnetic superlattices. <i>Physical Review B</i> , 2015, 91, .	1.1	35
74	Temperature dependent coercivity and magnetization of light rare-earth Nd doped permalloy thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 711-715.	1.0	35
75	Synthesis and characterization of $\text{La}_{0.825}\text{Sr}_{0.175}\text{MnO}_3$ nanowires. <i>Journal of Physics Condensed Matter</i> , 2005, 17, L467-L475.	0.7	34
76	Block antiferromagnetism and checkerboard charge ordering in the alkali-doped iron selenides $\text{R}_x\text{Fe}_2\text{Se}_5$. <i>Physical Review B</i> , 2015, 91, .	1.1	34
77	A-site disorder induced collapse of charge-ordered state and phase separated phase in manganites. <i>Applied Physics Letters</i> , 2006, 89, 222505.	1.5	33
78	Ru-doping-induced ferromagnetism in charge-ordered $\text{La}_{0.4}\text{Ru}_{0.6}\text{MnO}_3$. <i>Physical Review B</i> , 2009, 79, .	1.1	33
79	Highly anisotropic resistivities in the double-exchange model for strained manganites. <i>Physical Review B</i> , 2010, 82, .	1.1	33
80	Topological magnetic phase in LaMnO_3 bilayer. <i>Physical Review B</i> , 2015, 92, .	1.1	33
81	Revealing Controllable Anisotropic Magnetoresistance in Spin-Orbit Coupled Antiferromagnet Sr_2IrO_4 . <i>Advanced Functional Materials</i> , 2018, 28, 1706589.	7.8	33
82	Hysteresis loop area of the Ising model. <i>Physical Review B</i> , 2004, 70, .	1.1	32
83	A 0D Lead-Free Hybrid Crystal with Ultralow Thermal Conductivity. <i>Advanced Functional Materials</i> , 2019, 29, 1809166.	7.8	32
84	Charge order suppression and weak ferromagnetism in $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ nanoparticles. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	31
85	Mean-field theory for ferroelectricity in $\text{Ca}_3\text{Mn}_2\text{O}_{10}$. <i>Physical Review B</i> , 2009, 79, .	1.1	31
86	Multiferroic phase diagram of Y partially substituted $\text{Dy}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Applied Physics Letters</i> , 2011, 98, 012510.	1.5	31
87	Electrophoretic-like Gating Used To Control Metal-Insulator Transitions in Electronically Phase Separated Manganite Wires. <i>Nano Letters</i> , 2013, 13, 3749-3754.	4.5	31
88	Novel multiferroicity in GdMnO_3 thin films with self-assembled nano-twinned domains. <i>Scientific Reports</i> , 2014, 4, 7019.	1.6	31
89	Synthesis of Wurtzite $\text{Cu}_2\text{ZnSnS}_4$ Nanosheets with Exposed High-Energy (002) Facets for Fabrication of Efficient Pt-Free Solar Cell Counter Electrodes. <i>Scientific Reports</i> , 2018, 8, 248.	1.6	30
90	Dielectrophoresis model for the colossal electroresistance of phase-separated manganites. <i>Physical Review B</i> , 2007, 76, .	1.1	29

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91	Electronic and magnetic properties of RMnO ₃ /AMnO ₃ heterostructures. Physical Review B, 2009, 80, .	1.1	28
92	Versatile Titanium Silicide Monolayers with Prominent Ferromagnetic, Catalytic, and Superconducting Properties: Theoretical Prediction. Journal of Physical Chemistry Letters, 2016, 7, 3723-3729.	2.1	28
93	Testing the Monte Carlo "mean field approximation in the one-band Hubbard model. Physical Review B, 2014, 90, .	1.1	27
94	Dual gate control of bulk transport and magnetism in the spin-orbit insulator $Sr_{1-x}La_xTiO_3$. Physical Review B, 2015, 91, .	1.1	27
95	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
96	Prediction of two-dimensional ferromagnetic ferroelectric VOF ₂ monolayer. Physical Chemistry Chemical Physics, 2020, 22, 24109-24115.	1.3	27
97	Ferroic orders in two-dimensional transition/rare-earth metal halides. APL Materials, 2020, 8, .	2.2	27
98	Electronic Transport Evidence for Topological Nodal-Line Semimetals of ZrGeSe Single Crystals. ACS Applied Electronic Materials, 2019, 1, 869-876.	2.0	26
99	Nanoscale Chemical and Valence Evolution at the Metal/Oxide Interface: A Case Study of Ti/SrTiO ₃ . Advanced Materials Interfaces, 2016, 3, 1600201.	1.9	25
100	Magnetic borophenes from an evolutionary search. Physical Review B, 2019, 99, .	1.1	25
101	Short-range spin and charge correlations and local density of states in the colossal magnetoresistance regime of the single-orbital model for manganites. Physical Review B, 2008, 77, .	1.1	24
102	Electric-dipole effect of defects on the energy band alignment of rutile and anatase TiO ₂ . Physical Chemistry Chemical Physics, 2015, 17, 29079-29084.	1.3	24
103	Competing Interfacial Reconstruction Mechanisms in $La_{0.7}Sr_{0.3}MnO_3/SrTiO_3$ Heterostructures. ACS Applied Materials & Interfaces, 2016, 8, 24192-24197.	4.0	24
104	Influence of drying temperature on morphology of MAPbI ₃ thin films and the performance of solar cells. Journal of Alloys and Compounds, 2019, 773, 511-518.	2.8	24
105	Peierls transition driven ferroelasticity in the two-dimensional d - f hybrid magnets. Physical Review B, 2021, 103, .	1.1	24
106	Quasi-one-dimensional ferroelectricity and piezoelectricity in WO_x halogens. Physical Review Materials, 2019, 3, .	1.1	24
107	Microscopic simulation of the percolation of manganites. Applied Physics Letters, 2005, 86, 022501.	1.5	23
108	Ab initio study of the intrinsic exchange bias at the $SrRuO_3/SrMnO_3$ interface. Physical Review B, 2011, 84, .	1.1	23

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109	Controlling the helicity of magnetic skyrmions by electrical field in frustrated magnets. <i>New Journal of Physics</i> , 2020, 22, 083032.	1.2	23
110	Spin frustration destruction and ferroelectricity modulation in Ca ₃ CoMnO ₆ : Effects of Mn deficiency. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	22
111	Facet engineering of monodisperse PbS nanocrystals with shape- and facet-dependent photoresponse activity. <i>RSC Advances</i> , 2016, 6, 107151-107157.	1.7	22
112	Unexpected Intermediate State Photoinduced in the Metal-Insulator Transition of Submicrometer Phase-Separated Manganites. <i>Physical Review Letters</i> , 2018, 120, 267202.	2.9	22
113	Ferroelectricity generated by spin-orbit and spin-lattice couplings in multiferroic DyMnO ₃ . <i>Frontiers of Physics</i> , 2012, 7, 408-417.	2.4	21
114	Ferroelectric ferrimagnetic LiFe ₂ F ₆ : Charge-ordering-mediated magnetoelectricity. <i>Physical Review Materials</i> , 2017, 1, .	0.9	21
115	Nonmagnetic B -site impurity-induced ferromagnetic tendency in CE-type manganites. <i>Physical Review B</i> , 2009, 79, .	1.1	20
116	Multiferroicity in spin ice Ho ₂ Ti ₂ O ₇ : An investigation on single crystals. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	20
117	Magnetoelectricity coupled exchange bias in BaMnF ₄ . <i>Scientific Reports</i> , 2015, 5, 18392.	1.6	20
118	The ferroelectric polarization of Y ₂ CoMnO ₆ aligns along the b-axis: the first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20961-20970.	1.3	20
119	Enhancing the Spin-Orbit Coupling in Fe ₃ O ₄ Epitaxial Thin Films by Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27353-27359.	4.0	20
120	Cycloidal magnetism driven ferroelectricity in double tungstate LiFe(WO ₄) ₂ . <i>Physical Review B</i> , 2017, 95, .	1.1	20
121	Application of Compact TiO ₂ Layer Fabricated by Pulsed Laser Deposition in Organometal Trihalide Perovskite Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800097.	3.1	20
122	Magnetic states of iron-based two-leg ladder tellurides. <i>Physical Review B</i> , 2019, 100, .	1.1	20
123	Iron telluride ladder compounds: Predicting the structural and magnetic properties of BaFe ₂ Te ₃ . <i>Physical Review B</i> , 2020, 101, .	1.1	20
124	Jahn-Teller distortion induced charge ordering in the CE phase of manganites. <i>Physical Review B</i> , 2006, 73, .	1.1	19
125	Enhancement of ferroelectricity in Cr-doped Ho ₂ Ti ₂ O ₇ . <i>Applied Physics Letters</i> , 2010, 96, .	1.5	19
126	Improving the photocatalytic activity of TiO ₂ through reduction. <i>RSC Advances</i> , 2015, 5, 35661-35666.	1.7	19

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127	Magnetization switching in the BiFe _{0.9} Mn _{0.1} O ₃ thin films modulated by resistive switching process. Applied Physics Letters, 2016, 109, .	1.5	19
128	Manipulation of Magnetic Domain Walls by Ferroelectric Switching: Dynamic Magnetoelectricity at the Nanoscale. Physical Review Letters, 2021, 126, 117603.	2.9	19
129	Spin persistence in an antiferromagnetic triangular Ising lattice under a magnetic field. Physical Review B, 2007, 76, .	1.1	18
130	Electric field induced collapse of the charge-ordered phase in manganites. Journal of Physics Condensed Matter, 2007, 19, 266202.	0.7	18
131	Enhanced polarization and magnetoelectric response in Ho_xMnO_3 . Applied Physics A: Materials Science and Processing, 2010, 99, 323-331.	1.1	18
132	Strain-engineered A-type antiferromagnetic order in YTiO ₃ : A first-principles calculation. Journal of Applied Physics, 2013, 113, .	1.1	18
133	Ferroelectric control of magnetism and transport in oxide heterostructures. Modern Physics Letters B, 2014, 28, 1430010.	1.0	18
134	Direct observation of current-induced conductive path in colossal-electroresistance manganite thin films. Physical Review B, 2016, 93, .	1.1	18
135	Possible emergence of a skyrmion phase in interlayer-sliding ferroelectric GaMnO_3 . Physical Review B, 2019, 99, .	1.1	18
136	Phase competition and negative piezoelectricity in interlayer-sliding ferroelectric ZrIn_2O_7 . Physical Review Materials, 2021, 5, .	1.1	18
137	Phase competition and negative piezoelectricity in interlayer-sliding ferroelectric ZrIn_2O_7 . Physical Review Materials, 2021, 5, .	0.9	18
138	Ferromagnetic metal to cluster-glass insulator transition induced by A-site disorder in manganites. Applied Physics Letters, 2006, 88, 152505.	1.5	17
139	Phase transition and phase separation in multiferroic orthorhombic Dy _{1-x} HoxMnO ₃ (0 ≤ x ≤ 1). Scientific Reports, 2015, 4, 6506.	1.6	17
140	Photocatalytic Behavior of Fluorinated Rutile TiO ₂ (110) Surface: Understanding from the Band Model. Solar Rrl, 2017, 1, 1700183.	3.1	17
141	Double-exchange model study of multiferroic RMnO ₃ perovskites. European Physical Journal B, 2009, 71, 339-344.	0.6	16
142	Emergent dimensional reduction of the spin sector in a model for narrow-band manganites. Physical Review B, 2011, 84, .	1.1	16
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145	Ferroelectricity driven magnetism at domain walls in LaAlO ₃ /PbTiO ₃ superlattices. Scientific Reports, 2015, 5, 13052.	1.6	16
146	Ferrielectricity in DyMn ₂ O ₅ : A golden touchstone for multiferroicity of RMn ₂ O ₅ family. Journal of Advanced Dielectrics, 2015, 05, 1530003.	1.5	16
147	Helical and skyrmion lattice phases in three-dimensional chiral magnets: Effect of anisotropic interactions. Scientific Reports, 2017, 7, 7392.	1.6	16
148	Preparation of CH ₃ NH ₃ PbI ₃ thin films with tens of micrometer scale at high temperature. Scientific Reports, 2017, 7, 8458.	1.6	16
149	Grain size effect on GdFeO ₃ -type lattice distortion and ferroelectric behavior in DyMnO ₃ . Physica B: Condensed Matter, 2012, 407, 3736-3739.	1.3	15
150	BaMF ₄ (M = Mn, Co, Ni): New electrode materials for hybrid supercapacitor with layered polar structure. Journal of Power Sources, 2017, 359, 585-591.	4.0	15
151	Exchange striction driven magnetodielectric effect and potential photovoltaic effect in polar CaOFeS. Physical Review Materials, 2017, 1, .	0.9	15
152	Magnetic orders of LaTiO ₃ under epitaxial strain: A first-principles study. Journal of Applied Physics, 2014, 115, 17E108.	1.1	14
153	Experimental observation of magnetoelectricity in spin ice Dy ₂ Ti ₂ O ₇ . New Journal of Physics, 2015, 17, 123018.	1.2	14
154	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
155	Role of further-neighbor interactions in modulating the critical behavior of the Ising model with frustration. Physical Review E, 2016, 93, 032114.	0.8	14
156	Low-temperature crystal and magnetic structures of the magnetoelectric material $F_{e}M_{n}N_{b}O_{4}$. Physical Review B, 2019, 100, 040401.	1.1	14
157	Data-driven computational prediction and experimental realization of exotic perovskite-related polar magnets. Npj Quantum Materials, 2020, 5, .	1.8	14
158	Noncollinear ferrielectricity and morphotropic phase boundary in monolayer GeS. Physical Review B, 2021, 103, .	1.1	14
159	Proton transfer ferroelectricity/multiferroicity in rutile oxyhydroxides. Nanoscale, 2018, 10, 9509-9515.	2.8	13
160	Anisotropic resistance switching in hexagonal manganites. Physical Review B, 2019, 99, .	1.1	13
161	Multiferroic properties of oxygen-functionalized magnetic i-MXene. Physical Review Materials, 2021, 5, .	0.9	13
162	Protective layer enhanced the stability and superconductivity of tailored antimonene bilayer. Physical Review Materials, 2018, 2, .	0.9	13

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181	Dynamics of distorted skyrmions in strained chiral magnets. <i>New Journal of Physics</i> , 2018, 20, 063050.	1.2	10
182	Robust manipulation of magnetism in $\text{LaA}_3/\text{BaTiO}_3$ ($A = \text{Fe, Mn}$) heterostructures. <i>Physical Review Letters</i> , 2010, 105, 107201.	1.0	10
183	Two-dimensional ferroelectricity induced by octahedral rotation distortion in perovskite oxides. <i>Physical Review B</i> , 2022, 105, .	1.1	10
184	Flux state and anomalous quantum Hall effect in the square double-exchange model. <i>Physical Review B</i> , 2010, 81, .	1.1	9
185	Enhanced ferroelectricity in orthorhombic manganites $\text{Gd}_{1-x}\text{Ho}_x\text{MnO}_3$. <i>Journal of Applied Physics</i> , 2011, 109, 07D901.	1.1	9
186	LaSrVO_4 : A candidate for the spin-orbital liquid state. <i>Physical Review B</i> , 2014, 89, .	1.1	9
187	Hidden metal-insulator transition in manganites synthesized via a controllable oxidation. <i>Science China Materials</i> , 2019, 62, 577-585.	3.5	9
188	Direct visualization of irreducible ferroelectricity in crystals. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	9
189	Noncollinear topological textures in two-dimensional van der Waals materials: From magnetic to polar systems. <i>International Journal of Modern Physics B</i> , 2021, 35, 2130004.	1.0	9
190	Gadolinium Halide Monolayers: A Fertile Family of Two-Dimensional 4f Magnets. <i>ACS Applied Electronic Materials</i> , 2022, 4, 3168-3176.	2.0	9
191	Magnetization oscillation in a nanomagnet driven by a self-controlled spin-polarized current: Nonlinear stability analysis. <i>Physical Review B</i> , 2007, 76, .	1.1	8
192	Magnetic properties and electronic structures of $(\text{YTiO}_3)_2/(\text{BaTiO}_3)_n$ superlattices. <i>Journal of Applied Physics</i> , 2014, 115, 17D710.	1.1	8
193	Antiferromagnetism of Double Molybdate $\text{LiFe}(\text{MoO}_4)_2$. <i>Inorganic Chemistry</i> , 2020, 59, 8127-8133.	1.9	8
194	Ferroelectric control of a spin-polarized two-dimensional electron gas. <i>Physical Review B</i> , 2021, 103, .	1.1	8
195	Dynamic hysteresis of magnetic aggregates with non-integer dimension. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2429-2432.	1.0	7
196	Multiferroic response to magnetic field in orthorhombic manganites. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	7
197	Chemically modulated multiferroicity in Dy-doped $\text{Gd}_2\text{Ti}_2\text{O}_7$. <i>Journal of Applied Physics</i> , 2013, 113, 17D903.	1.1	7
198	Magnetism and electronic structure of (001)- and (111)-oriented LaTiO_3 bilayers sandwiched in LaScO_3 barriers. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	7

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199	Topological triple-vortex lattice stabilized by mixed frustration in expanded honeycomb Kitaev-Heisenberg model. Scientific Reports, 2016, 6, 26750.	1.6	7
200	Persistent Large Anisotropic Magnetoresistance and Insulator-to-Metal Transition in Spin-Orbit-Coupled Sr_2IrO_7 . Scientific Reports, 2019, 9, 12311.	1.5	7
201	New iron-based multiferroics with improper ferroelectricity. Journal Physics D: Applied Physics, 2018, 51, 243002.	1.3	7
202	Predicted polymorph manipulation in an exotic double perovskite oxide. Journal of Materials Chemistry C, 2019, 7, 12306-12311.	2.7	7
203	Quantum spin Hall insulators and topological Rashba-splitting edge states in two-dimensional CX_3 (X = Sb, Bi). Physical Chemistry Chemical Physics, 2021, 23, 2134-2140.	1.3	7
204	Stability, electronic, and optical properties of lead-free halide double perovskites $\text{A}_2\text{B}_2\text{X}_6$. Scientific Reports, 2020, 10, 12311.	1.3	7

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