Shuai Dong

List of Publications by Year
in descending order

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286 papers	9,740 citations	50276 46 h-index	51608 86 g-index
293 all docs	293 docs citations	293 times ranked	10616 citing authors

#	Article	IF	Citations
1	Visibleâ€Light Photocatalytic Properties of Weak Magnetic BiFeO₃ Nanoparticles. Advanced Materials, 2007, 19, 2889-2892.	21.0	837
2	Highâ€Performance Photothermal Conversion of Narrowâ€Bandgap Ti₂O₃ Nanoparticles. Advanced Materials, 2017, 29, 1603730.	21.0	766
3	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. Advances in Physics, 2015, 64, 519-626.	14.4	661
4	Type-II Multiferroic Hf₂VC₂F₂ MXene Monolayer with High Transition Temperature. Journal of the American Chemical Society, 2018, 140, 9768-9773.	13.7	179
5	Surface Vacancy-Induced Switchable Electric Polarization and Enhanced Ferromagnetism in Monolayer Metal Trihalides. Nano Letters, 2018, 18, 2943-2949.	9.1	157
6	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. Science Advances, 2019, 5, eaav3780.	10.3	157
7	Multiferroic properties of CaMn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>7</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>12</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	142
8	Prediction of a two-dimensional high-T_C f-electron ferromagnetic semiconductor. Materials Horizons, 2020, 7, 1623-1630.	12.2	141
9	Exchange Bias Driven by the Dzyaloshinskii-Moriya Interaction and Ferroelectric Polarization at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>G</mml:mi></mml:math>-Type Antiferromagnetic Perovskite Interfaces. Physical Review Letters, 2009, 103, 127201.	7.8	132
10	Magnetoelectricity in multiferroics: a theoretical perspective. National Science Review, 2019, 6, 629-641.	9.5	129
11	Ferromagnetic tendency at the surface of CE-type charge-ordered manganites. Physical Review B, 2008, 78, .	3.2	121
12	Surface phase separation in nanosized charge-ordered manganites. Applied Physics Letters, 2007, 90, 082508.	3.3	115
13	Tunneling Electroresistance Induced by Interfacial Phase Transitions in Ultrathin Oxide Heterostructures. Nano Letters, 2013, 13, 5837-5843.	9.1	115
14	RECENT PROGRESS OF MULTIFERROIC PEROVSKITE MANGANITES. Modern Physics Letters B, 2012, 26, 1230004.	1.9	114
15	Giant Ferroelectric Polarization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>CaMn</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:math>Induced by a Combined Effect of Dzyaloshinskii-Moriya Interaction and Exchange Striction. Physical Review Letters,	7.8	107
16	Origin of multiferroic spiral spin order in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mrow><mml:mtext>MnO</mml:mtext></mml:mrow><mml:mn> Physical Review B, 2008, 78, .	3.2	106
17	Observation of Magnetoelectric Multiferroicity in a Cubic Perovskite System:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaMn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2015, 115, 087601.	7.8	105
18	Correlating interfacial octahedral rotations with magnetism in (LaMnO3+Î´)N/(SrTiO3)N superlattices. Nature Communications, 2014, 5, 4283.	12.8	103

#	Article	IF	Citations
19	Hexagonal rare-earth manganites as promising photovoltaics and light polarizers. Physical Review B, 2015, 92, .	3.2	100
20	Ferroelectricity in Covalently functionalized Two-dimensional Materials: Integration of High-mobility Semiconductors and Nonvolatile Memory. Nano Letters, 2016, 16, 7309-7315.	9.1	99
21	Charge-order breaking and ferromagnetism in La0.4Ca0.6MnO3 nanoparticles. Applied Physics Letters, 2007, 91, .	3.3	95
22	Anomalous polarization switching and permanent retention in a ferroelectric ionic conductor. Materials Horizons, 2020, 7, 263-274.	12.2	88
23	Strain Doping: Reversible Single-Axis Control of a Complex Oxide Lattice via Helium Implantation. Physical Review Letters, 2015, 114, 256801.	7.8	84
24	Magnetism, conductivity, and orbital order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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37	Giant anisotropic magnetoresistance and nonvolatile memory in canted antiferromagnet Sr2IrO4. Nature Communications, 2019, 10, 2280.	12.8	55
38	Steplike magnetization of spin chains in a triangular lattice: Monte Carlo simulations. Physical Review B, 2006, 73, .	3.2	53
39	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. Physical Review Letters, 2019, 123, 067601.	7.8	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.	4.4	52
41	Microscopic model for the ferroelectric field effect in oxide heterostructures. Physical Review B, 2011, 84, .	3.2	51
42	Direct observation of ferroelectricity in Ca3Mn2O7 and its prominent light absorption. Applied Physics Letters, 2018, 113, .	3.3	51
43	Quantum confinement induced magnetism in LaNiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>-LaMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>superlattices. Physical Review B, 2013, 87, .	3.2	50
44	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn₃Cr₄O₁₂. Advanced Materials, 2017, 29, 1703435.	21.0	50
45	Electronic structure and stability of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>PbB</mml:mi><mml:msub><mml:mi	3.2	49
46	Hydroxylation of the Rutile TiO₂(110) Surface Enhancing Its Reducing Power for Photocatalysis. Journal of Physical Chemistry C, 2015, 119, 1451-1456.	3.1	48
47	Promoting polysulfide redox reactions and improving electronic conductivity in lithiumâ€“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.	10.3	47
48	Full control of magnetism in a manganite bilayer by ferroelectric polarization. Physical Review B, 2013, 88, .	3.2	46
49	Sequential structural and antiferromagnetic transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> under pressure. Physical Review B, 2018, 97, .	3.2	46
50	Pulsed Laser Deposition of CsPbBr₃ Films for Application in Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 2305-2312.	5.1	46
51	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:		

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55	Observation of superconductivity in structure-selected Ti2O3 thin films. NPG Asia Materials, 2018, 10, 522-532.	7.9	43
56	Ho substitution suppresses collinear Dy spin order and enhances polarization in DyMnO3. Applied Physics Letters, 2011, 99, .	3.3	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.	7.1	42
58	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. Nature Communications, 2019, 10, 3149.	12.8	42
59	Experimental observation of ferrielectricity in multiferroic DyMn2O5. Scientific Reports, 2014, 4, 3984.	3.3	41
60	Striped Multiferroic Phase in Double-Exchange Model for Quarter-Doped Manganites. Physical Review Letters, 2009, 103, 107204.	7.8	40
61	Prediction of above 20 K superconductivity of blue phosphorus bilayer with metal intercalations. 2D Materials, 2016, 3, 035006.	4.4	40
62	Polarization enhancement and ferroelectric switching enabled by interacting magnetic structures in DyMnO3 thin films. Scientific Reports, 2013, 3, 3374.	3.3	39
63	Similarities and differences between nickelate and cuprate films grown on a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:m substrate. Physical Review B, 2020, 102, .	3.2	39
64	Coupled ferroelectric polarization and magnetization in spinel FeCr2S4. Scientific Reports, 2014, 4, 6530.	3.3	38
65	Ferroelectricity of polycrystalline GdMnO3 and multifold magnetoelectric responses. Applied Physics A: Materials Science and Processing, 2013, 112, 947-954.	2.3	37
66	Tuning Magnetism in Layered Magnet VI₃: A Theoretical Study. Journal of Physical Chemistry C, 2019, 123, 30545-30550.	3.1	37
67	Ferroelectricity and ferromagnetism in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>VO</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> monolayer: Role of the Dzyaloshinskii-Moriya interaction. Physical Review B, 2020, 102, .	3.2	37
68	Specific heat anomalies and possible Griffiths-like phase in La0.4Ca0.6MnO3 nanoparticles. Journal of Applied Physics, 2008, 103, 07F714.	2.5	36
69	Inversion of Ferrimagnetic Magnetization by Ferroelectric Switching via a Novel Magnetoelectric Coupling. Physical Review Letters, 2016, 117, 037601.	7.8	36
70	Orthorhombic Ti₂O₃: A Polymorphâ€Dependent Narrowâ€Bandgap Ferromagnetic Oxide. Advanced Functional Materials, 2018, 28, 1705657.	14.9	36
71	First-principles study of the low-temperature charge density wave phase in the quasi-one-dimensional Weyl chiral compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mrow><mml:msub><mml:mi>TaSe</mml:mi><mml:mi mathvariant="normal">I</mml:mi></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	3.2	36
72	Multiferroic response and clamped domain structure in a two-dimensional spiral magnet: Monte Carlo simulation. Physical Review B, 2008, 77, .	3.2	35

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73	Charge transfer and hybrid ferroelectricity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:msub><mml:mi>YFeO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>)</mml:mo><mml:mo>/</mml:mo><mml:mo>(</mml:mo><mml:msub><mml:mi>YTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>)</mml:mo><mml:mi>n</mml:mi></mml:msub></mml:math>magnetic superlattices. Physical Review B, 2015, 91, .	3.2	35
74	Temperature dependent coercivity and magnetization of light rare-earth Nd doped permalloy thin films. Journal of Magnetism and Magnetic Materials, 2015, 374, 711-715.	2.3	35
75	Synthesis and characterization of La0.825Sr0.175MnO3nanowires. Journal of Physics Condensed Matter, 2005, 17, L467-L475.	1.8	34
76	Block antiferromagnetism and checkerboard charge ordering in the alkali-doped iron selenides<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Fe<mml:	3.2	34
77	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml: A-site disorder induced collapse of charge-ordered state and phase separated phase in manganites. Applied Physics Letters, 2006, 89, 222505.	3.3	33
78	Ru-doping-induced ferromagnetism in charge-ordered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.4</mml:m Physical Review B, 2009, 79, .	3.2	33
79	Highly anisotropic resistivities in the double-exchange model for strained manganites. Physical Review B, 2010, 82, .	3.2	33
80	Topological magnetic phase in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>LaMnO</mml:mtext><mml:mn>3</mml:mn></mml:msub></mml:math>bilayer. Physical Review B, 2015, 92, .	3.2	33
81	Revealing Controllable Anisotropic Magnetoresistance in Spinâ€“Orbit Coupled Antiferromagnet Sr₂IrO₄. Advanced Functional Materials, 2018, 28, 1706589.	14.9	33
82	Hysteresis loop area of the Ising model. Physical Review B, 2004, 70, .	3.2	32
83	A 0D Leadâ€Free Hybrid Crystal with Ultralow Thermal Conductivity. Advanced Functional Materials, 2019, 29, 1809166.	14.9	32
84	Charge order suppression and weak ferromagnetism in La1â^•3Sr2â^•3FeO3 nanoparticles. Applied Physics Letters, 2007, 91, .	3.3	31
85	Mean-field theory for ferroelectricity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ca</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2009, 79, .	3.2	31
86	Multiferroic phase diagram of Y partially substituted Dy1â^'xYxMnO3. Applied Physics Letters, 2011, 98, 012510.	3.3	31
87	Electrophoretic-like Gating Used To Control Metalâ€“Insulator Transitions in Electronically Phase Separated Manganite Wires. Nano Letters, 2013, 13, 3749-3754.	9.1	31
88	Novel multiferroicity in GdMnO3 thin films with self-assembled nano-twinned domains. Scientific Reports, 2014, 4, 7019.	3.3	31
89	Synthesis of Wurtzite Cu2ZnSnS4 Nanosheets with Exposed High-Energy (002) Facets for Fabrication of Efficient Pt-Free Solar Cell Counter Electrodes. Scientific Reports, 2018, 8, 248.	3.3	30
90	Dielectrophoresis model for the colossal electroresistance of phase-separated manganites. Physical Review B, 2007, 76, .	3.2	29

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91	Electronic and magnetic properties ofRMnO3/AMnO3heterostructures. Physical Review B, 2009, 80, .	3.2	28
92	Versatile Titanium Silicide Monolayers with Prominent Ferromagnetic, Catalytic, and Superconducting Properties: Theoretical Prediction. Journal of Physical Chemistry Letters, 2016, 7, 3723-3729.	4.6	28
93	Testing the Monte Carloâ€“mean field approximation in the one-band Hubbard model. Physical Review B, 2014, 90, .	3.2	27
94	Dual gate control of bulk transport and magnetism in the spin-orbit insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Ir</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 91, .	3.2	27
95	Appearance and disappearance of ferromagnetism in ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaMnO</mml:mi><mml:mn>3</mml:mn></mml:msub></ on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub>< substrate: A viewpoint from first principles. Physical Review B, 2017, 96, .	3.2	27
96	Prediction of two-dimensional ferromagnetic ferroelectric VOF2 monolayer. Physical Chemistry Chemical Physics, 2020, 22, 24109-24115.	2.8	27
97	Ferroic orders in two-dimensional transition/rare-earth metal halides. APL Materials, 2020, 8, .	5.1	27
98	Electronic Transport Evidence for Topological Nodal-Line Semimetals of ZrGeSe Single Crystals. ACS Applied Electronic Materials, 2019, 1, 869-876.	4.3	26
99	Nanoscale Chemical and Valence Evolution at the Metal/Oxide Interface: A Case Study of Ti/SrTiO₃. Advanced Materials Interfaces, 2016, 3, 1600201.	3.7	25
100	Magnetic borophenes from an evolutionary search. Physical Review B, 2019, 99, .	3.2	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, .	3.2	24
102	Electric-dipole effect of defects on the energy band alignment of rutile and anatase TiO₂. Physical Chemistry Chemical Physics, 2015, 17, 29079-29084.	2.8	24
103	Competing Interfacial Reconstruction Mechanisms in La_{0.7}Sr_{0.3}MnO₃/SrTiO₃ Heterostructures. ACS Applied Materials & Interfaces, 2016, 8, 24192-24197.	8.0	24
104	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.	5.5	24
105	Peierls transition driven ferroelasticity in the two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>f</ hybrid magnets. Physical Review B, 2021, 103, .	3.2	24
106	Quasi-one-dimensional ferroelectricity and piezoelectricity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>WO</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn>4</mml:mn></mml:m halogens. Physical Review Materials, 2019, 3, .	2.4	24
107	Microscopic simulation of the percolation of manganites. Applied Physics Letters, 2005, 86, 022501.	3.3	23
108	Ab initiostudy of the intrinsic exchange bias at the SrRuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>/SrMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>interface. Physical Review B, 2011, 84, .	3.2	23

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109	Controlling the helicity of magnetic skyrmions by electrical field in frustrated magnets. New Journal of Physics, 2020, 22, 083032.	2.9	23
110	Spin frustration destruction and ferroelectricity modulation in Ca3CoMnO6: Effects of Mn deficiency. Journal of Applied Physics, 2012, 111, .	2.5	22
111	Facet engineering of monodisperse PbS nanocrystals with shape- and facet-dependent photoresponse activity. RSC Advances, 2016, 6, 107151-107157.	3.6	22
112	Unexpected Intermediate State Photoinduced in the Metal-Insulator Transition of Submicrometer Phase-Separated Manganites. Physical Review Letters, 2018, 120, 267202.	7.8	22
113	Ferroelectricity generated by spin-orbit and spin-lattice couplings in multiferroic DyMnO3. Frontiers of Physics, 2012, 7, 408-417.	5.0	21
114	Ferroelectric ferrimagnetic LiFe2F6 : Charge-ordering-mediated magnetoelectricity. Physical Review Materials, 2017, 1, .	2.4	21
115	Nonmagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math>-site impurity-induced ferromagnetic tendency in CE-type manganites. Physical Review B, 2009, 79, .	3.2	20
116	Multiferroicity in spin ice Ho2Ti2O7: An investigation on single crystals. Journal of Applied Physics, 2013, 113, .	2.5	20
117	Magnetoelectricity coupled exchange bias in BaMnF4. Scientific Reports, 2015, 5, 18392.	3.3	20
118	The ferroelectric polarization of Y2CoMnO6aligns along the b-axis: the first-principles calculations. Physical Chemistry Chemical Physics, 2015, 17, 20961-20970.	2.8	20
119	Enhancing the Spinâ€“Orbit Coupling in Fe₃O₄ Epitaxial Thin Films by Interface Engineering. ACS Applied Materials & Interfaces, 2016, 8, 27353-27359.	8.0	20
120	Cycloidal magnetism driven ferroelectricity in double tungstate LiFe(WO4)2. Physical Review B, 2017, 95, .	3.2	20
121	Application of Compact TiO₂ Layer Fabricated by Pulsed Laser Deposition in Organometal Trihalide Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800097.	5.8	20
122	Magnetic states of iron-based two-leg ladder tellurides. Physical Review B, 2019, 100, .	3.2	20
123	Iron telluride ladder compounds: Predicting the structural and magnetic properties of BaFe2Te3. Physical Review B, 2020, 101, .	3.2	20
124	Jahn-Teller distortion induced charge ordering in the CE phase of manganites. Physical Review B, 2006, 73, .	3.2	19
125	Enhancement of ferroelectricity in Cr-doped Ho2Ti2O7. Applied Physics Letters, 2010, 96, .	3.3	19
126	Improving the photocatalytic activity of TiO2 through reduction. RSC Advances, 2015, 5, 35661-35666.	3.6	19

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127	Magnetization switching in the BiFe0.9Mn0.1O3 thin films modulated by resistive switching process. Applied Physics Letters, 2016, 109, .	3.3	19
128	Manipulation of Magnetic Domain Walls by Ferroelectric Switching: Dynamic Magnetoelectricity at the Nanoscale. Physical Review Letters, 2021, 126, 117603.	7.8	19
129	Spin persistence in an antiferromagnetic triangular Ising lattice under a magnetic field. Physical Review B, 2007, 76, .	3.2	18
130	Electric field induced collapse of the charge-ordered phase in manganites. Journal of Physics Condensed Matter, 2007, 19, 266202.	1.8	18
131	Enhanced polarization and magnetoelectric response inÂTb1â^'x Ho x MnO3. Applied Physics A: Materials Science and Processing, 2010, 99, 323-331.	2.3	18
132	Strain-engineered A-type antiferromagnetic order in YTiO3: A first-principles calculation. Journal of Applied Physics, 2013, 113, .	2.5	18
133	Ferroelectric control of magnetism and transport in oxide heterostructures. Modern Physics Letters B, 2014, 28, 1430010.	1.9	18
134	Direct observation of current-induced conductive path in colossal-electroresistance manganite thin films. Physical Review B, 2016, 93, .	3.2	18
135	Structural transitions in hybrid improper ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi	3.2	18
136	Possible emergence of a skyrmion phase in ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>GaM</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	18
137	Phase competition and negative piezoelectricity in interlayer-sliding ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zr</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, .	2.4	18
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