

# Jing

## List of Publications by Year in descending order

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36  
papers

2,113  
citations

586496

16  
h-index

371746

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-field control of skyrmions in multiferroic heterostructure via magnetoelectric coupling. Nature Communications, 2021, 12, 322.	5.8	83
2	Toroidal polar topology in strained ferroelectric polymer. Science, 2021, 371, 1050-1056.	6.0	74
3	Tailoring magnetic order via atomically stacking 3 <i>d</i> / <i>5d</i> electrons to achieve high-performance spintronic devices. Applied Physics Reviews, 2020, 7, .	5.5	18
4	Stabilization of ferroelastic charged domain walls in self-assembled BiFeO <sub>3</sub> nanoislands. Journal of Applied Physics, 2020, 128, 124103.	1.1	9
5	Remarkable switching of transport properties and surface exchange kinetics in epitaxial PrBaMn <sub>2</sub> O <sub>5</sub> + $\delta$ films. Acta Materialia, 2020, 186, 517-522.	3.8	10
6	Ultrahigh energy density lead-free dielectric films via polymorphic nanodomain design. Science, 2019, 365, 578-582.	6.0	662
7	Acidic aqueous solution switching of magnetism in BiFeO <sub>3</sub> /La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> heterostructures. Journal of Applied Physics, 2019, 126, 075301.	1.1	3
8	Physical and chemical strains co-tuned magnetic properties of double perovskite PrBaMn <sub>2</sub> O <sub>5.5</sub> + $\delta$ epitaxial films. Applied Physics Letters, 2019, 115, .	1.5	4
9	Robust polarization switching in self-assembled BiFeO <sub>3</sub> nanoislands with quad-domain structures. Acta Materialia, 2019, 175, 324-330.	3.8	21
10	Polarization control of photoconductivity in BiFeO <sub>3</sub> /La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.33, 0.5) heterostructures. Ceramics International, 2019, 45, 19550-19553.	2.3	4
11	Laser melted oxide ceramics: Multiscale structural evolution with non-equilibrium features. Journal of Materiomics, 2019, 5, 436-445.	2.8	5
12	Ferroelectric Photodetector with High Current on/off Ratio ( $\sim 10^4$ ) in Self-Assembled Topological Nanoislands. ACS Applied Electronic Materials, 2019, 1, 862-868.	2.0	38
13	Physicochemical properties of proton-conducting SmNiO <sub>3</sub> epitaxial films. Journal of Materiomics, 2019, 5, 247-251.	2.8	12
14	Vacancy-ordered yttria stabilized zirconia as a low-temperature electronic conductor achieved by laser melting. Journal of the European Ceramic Society, 2019, 39, 1374-1380.	2.8	10
15	One-step rapid synthesis of Cu <sub>2</sub> Se with enhanced thermoelectric properties. Journal of Alloys and Compounds, 2019, 786, 557-564.	2.8	40
16	Thermal Driven Giant Spin Dynamics at Three-Dimensional Heteroepitaxial Interface in Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> -Pillar Nanocomposites. ACS Nano, 2018, 12, 3751-3758.	7.3	27
17	Unique redox properties in defective CeO <sub>2-x</sub> nanocrystallines synthesized by laser melting. Science China Materials, 2018, 61, 1078-1084.	3.5	5
18	Core/shell structured Zn/ZnO nanoparticles synthesized by gaseous laser ablation with enhanced photocatalysis efficiency. Applied Surface Science, 2018, 442, 101-105.	3.1	44

#	ARTICLE	IF	CITATIONS
19	Magnetic phase transition and large room temperature magnetoresistance in Ni doped FeRh films. Journal of Alloys and Compounds, 2018, 741, 557-561.	2.8	9
20	Understanding and predicting geometrical constraint ferroelectric charged domain walls in a BiFeO <sub>3</sub> island via phase-field simulations. Applied Physics Letters, 2018, 113, .	1.5	17
21	Interface reconstruction with emerging charge ordering in hexagonal manganite. Science Advances, 2018, 4, eaar4298.	4.7	37
22	Ferromagnetism and matrix-dependent charge transfer in strained LaMnO <sub>3</sub> ∕LaCoO <sub>3</sub> superlattices. Materials Research Letters, 2018, 6, 501-507.	4.1	13
23	Controllable conductive readout in self-assembled, topologically confined ferroelectric domain walls. Nature Nanotechnology, 2018, 13, 947-952.	15.6	163
24	Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. Nature Communications, 2018, 9, 1813.	5.8	408
25	Polymeric Nanofibers with Ultrahigh Piezoelectricity via Self-Orientation of Nanocrystals. ACS Nano, 2017, 11, 1901-1910.	7.3	124
26	A magnetic glass state over the first-order ferromagnetic-to-antiferromagnetic transition in FeRh film. Materials Research Letters, 2017, 5, 329-334.	4.1	12
27	Strain modulated ferromagnetic to antiferromagnetic transition in FeRh/BaTiO <sub>3</sub> (001) heterostructures. Journal of Applied Physics, 2017, 121, .	1.1	18
28	Spatially Resolved Ferroelectric Domain-Switching-Controlled Magnetism in Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> Multiferroic Heterostructure. ACS Applied Materials & Interfaces, 2017, 9, 2642-2649.	4.0	40
29	Tuning Phase Composition of Polymer Nanocomposites toward High Energy Density and High Discharge Efficiency by Nonequilibrium Processing. ACS Applied Materials & Interfaces, 2017, 9, 29717-29731.	4.0	81
30	Cautions to predicate multiferroic by atomic force microscopy. AIP Advances, 2017, 7, 055003.	0.6	8
31	Interface-Induced Enhancement of Ferromagnetism in Insulating LaMnO <sub>3</sub> Ultrathin Films. ACS Applied Materials & Interfaces, 2017, 9, 44931-44937.	4.0	23
32	Strain-induced modulation of oxygen vacancies and magnetic properties in La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> thin films. MRS Communications, 2016, 6, 354-359.	0.8	11
33	Recent progress in multiferroic materials. Science China Technological Sciences, 2015, 58, 2207-2209.	2.0	4
34	Optimizing direct magnetoelectric coupling in Pb(Zr,Ti)O <sub>3</sub> /Ni multiferroic film heterostructures. Applied Physics Letters, 2015, 106, .	1.5	56
35	Magnetic-Field-Orientation Dependent Magnetoelectric Effect in FeBSiC/PZT/FeBSiC Composites. Advances in Materials Science and Engineering, 2014, 2014, 1-5.	1.0	7
36	Voltage-driven hysteretic changes in magnetization in multiferroic Co/BTO composite thin films. Applied Surface Science, 2014, 314, 599-602.	3.1	7