Zhi-Yi Xu

List of Publications by Year
in descending order

36	1,000	586496 16	488211 31
papers	citations	h-index	g-index

36	36	36	635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large magnetocaloric effect of Tm₁â€‰_{â”’}â€‰_xY_xGa (0â€‰â‰â€‰xâ€‰â‰	1.1	1
2	Large magnetic refrigerant capacity of HoFe1â”’xCoxAl (xÂ=Â0, 0.3) compounds. Rare Metals, 2021, 40, 1-5.	3.6	3
3	Multiple transitions and wide refrigeration temperature range in R3NiSi2 (RÂ=ÂTb, Dy) compounds. Journal of Magnetism and Magnetic Materials, 2020, 502, 166551.	1.0	5
4	Controllable magnetic transitions and magnetocaloric effect of Ho1-xTmxNi (0â‰xâ‰0.8) compounds. AIP Advances, 2020, 10, 015224.	0.6	1
5	Chitosan ducts fabricated by extrusion-based 3D printing for soft-tissue engineering. Carbohydrate Polymers, 2020, 236, 116058.	5.1	28
6	Tunable magnetic properties and magnetocaloric effect of TmGa by Ho substitution. Physical Review B, 2020, 102, .	1.1	12
7	Anomalous Magnetoelectric Coupling Effect of CoFe₂O₄â€“BaTiO₃ Binary Mixed Fluids. ACS Applied Electronic Materials, 2019, 1, 1120-1132.	2.0	31
8	Microstructure, dielectric and enhanced multiferroic properties of Fe3O4/PbZr0.52Ti0.48O3 composite ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 12295-12306.	1.1	1
9	Low working temperature near liquid helium boiling point of RNiAl2 (Râ€‰=â€‰Tm, Tb and Gd) compounds with large magnetocaloric effect. Journal of Applied Physics, 2019, 125, .	1.1	11
10	Enhanced multiferroic properties of Co0.5Ni0.5Fe2O4/Ba0.85Sr0.15TiO3 composites based on particle size effect. Journal of Materials Science: Materials in Electronics, 2019, 30, 10256-10273.	1.1	19
11	Strong magnetic properties and enhanced coupling effect by tailoring the molar ratio in BaTiO3/Co0.5Mg0.3Zn0.2Fe2O4 composite ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 11563-11575.	1.1	3
12	A comparative study of the dielectric, ferroelectric and anomalous magnetic properties of Mn0.5Mg0.5Fe2O4/Ba0.8Sr0.2Ti0.9Zr0.1O3 composite ceramics. Materials Chemistry and Physics, 2019, 232, 428-437.	2.0	36
13	Enhancement of magnetoelectric properties of (1-x)Mn0.5Zn0.5Fe2O4-xBa0.85Sr0.15Ti0.9Hf0.1O3 composite ceramics. Journal of Alloys and Compounds, 2019, 795, 501-512.	2.8	140
14	A comparative study on the structural, dielectric and multiferroic properties of Co0.6Cu0.3Zn0.1Fe2O4/Ba0.9Sr0.1Zr0.1Ti0.9O3 composite ceramics. Composites Part B: Engineering, 2019, 166, 204-212.	5.9	158
15	Influence of molar ratio on dielectric, ferroelectric and magnetic properties of Co0.5Mg0.5Fe2O4/Ba0.85Sr0.15TiO3 composite ceramics. Processing and Application of Ceramics, 2019, 13, 257-268.	0.4	2
16	Magnetic properties and magnetocaloric effect of HoCo3B2 compound. AIP Advances, 2018, 8, .	0.6	9
17	Electric Fieldâ€“Induced Magnetization Rotation in Magnetoelectric Multiferroic Fluids. Advanced Electronic Materials, 2018, 4, 1800030.	2.6	69
18	Large magnetocaloric effect of NdGa compound due to successive magnetic transitions. AIP Advances, 2018, 8, .	0.6	8

#	Article	IF	Citations
19	Strong magnetoelectric coupling effect in BaTiO₃@CoFe₂O₄ magnetoelectric multiferroic fluids. Nanoscale, 2018, 10, 11750-11759.	2.8	97
20	Identification of a New Form of Electron Coupling in the Bi2Sr2CaCu2O8 Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Peking University-World Scientific Advanced Physics Series, 2018, , 239-248.	0.0	0
21	Magnetocaloric effect over a wide temperature range in GdxHo3â^'xAl2 compounds with successive magnetic transitions. Intermetallics, 2017, 83, 38-42.	1.8	13
22	Nearly constant magnetic entropy change and adiabatic temperature change in PrGa compound. Journal of Applied Physics, 2014, 115, .	1.1	19
23	Large magnetocaloric effect with a wide working temperature span in the R2CoGa3 (Râ€‰=â€‰Gd, Dy, and Ho) compounds. Journal of Applied Physics, 2014, 115, .	1.1	17
24	Giant magnetocaloric effect in Ho12Co7 compound. Applied Physics Letters, 2013, 102, .	1.5	31
25	Large reversible magnetocaloric effects in ErFeSi compound under low magnetic field change around liquid hydrogen temperature. Applied Physics Letters, 2013, 102, .	1.5	90
26	Low-temperature large magnetocaloric effect in the antiferromagnetic ErNi0.6Cu0.4Al compound. Journal of Applied Physics, 2013, 113, 023916.	1.1	5
27	Low-temperature large reversible magnetocaloric effects of ErNi1-xCuxAl (x = 0.2, 0.5, 0.8) intermetallic compounds. Journal of Applied Physics, 2013, 114, 213907.	1.1	3
28	Low-temperature reversible giant magnetocaloric effect in the HoCuAl compound. Journal of Applied Physics, 2013, 114, .	1.1	15
29	Large refrigerant capacity of RGa (Râ€‰=â€‰Tb and Dy) compounds. Journal of Applied Physics, 2012, 111, .	1.1	41
30	Reduction of hysteresis loss and large magnetocaloric effect in the C- and H-doped La(Fe, Si)13 compounds around room temperature. Journal of Applied Physics, 2012, 111, .	1.1	41
31	Large magnetocaloric effect in metamagnetic HoPdAl. Science China Technological Sciences, 2012, 55, 445-450.	2.0	7
32	Magnetocaloric effects in RNiIn (Râ€‰=â€‰Gd-Er) intermetallic compounds. Journal of Applied Physics, 2011, 109, .	1.1	46
33	Metamagnetic transition and magnetocaloric effect in antiferromagnetic TbPdAl compound. Journal of Magnetism and Magnetic Materials, 2011, 323, 2949-2952.	1.0	22
34	Magnetocaloric Effect in ErSi Compound. IEEE Transactions on Magnetics, 2011, 47, 2470-2473.	1.2	5
35	Magnetocaloric effect in Er-Al-Co bulk metallic glasses. Science Bulletin, 2011, 56, 3978-3983.	1.7	11
36	Optical Properties and Band Physics of Sb-Doped SrTiO3Transparent Conducting Thin Film. Ferroelectrics, 2006, 334, 263-266.	0.3	0