Xinqi Zheng

List of Publications by Year
in descending order

41	527	687363 13	713466 21
papers	citations	h-index	g-index

41	41	41	402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Greatly Enhanced Methanol Oxidation Reaction of <scp>CoPt</scp> Truncated Octahedral Nanoparticles by External Magnetic Fields. Energy and Environmental Materials, 2023, 6, .	12.8	6
2	Antiferromagnetic Phase Induced by Nitrogen Doping in 2D Cr2S3. Materials, 2022, 15, 1716.	2.9	1
3	Interfacial Effect on Photo-Modulated Magnetic Properties of Core/Shell-Structured NiFe/NiFe2O4 Nanoparticles. Materials, 2022, 15, 1347.	2.9	0
4	Large barocaloric effect in intermetallic La1.2Ce0.8Fe11Si2H1.86 materials driven by low pressure. NPG Asia Materials, 2022, 14, .	7.9	6
5	Degradation Effect and Magnetoelectric Transport Properties in CrBr3 Devices. Materials, 2022, 15, 3007.	2.9	2
6	Real-space observation of non-collinear spin structure in centrosymmetric TbGa rare-earth magnet. AIP Advances, 2022, 12, 055315.	1.3	0
7	Large magnetocaloric effect of Tm₁â€‰_{â^'}â€‰_xY_xGa (0â€‰â‰¤â€‰xâ€‰â‰¤â€‰0 compounds with second-order magnetic transition around liquid helium temperature. Journal of Applied Physics, 2022, 131, 185110.	2.5	1
8	Magnetic Exchange Field Modulation of Quantum Hall Ferromagnetism in 2D van der Waals CrCl₃/Graphene Heterostructures. ACS Applied Materials & Interfaces, 2021, 13, 10656-10663.	8.0	17
9	Direct observation of multiple magnetic transitions in the La3NiGe2-type compounds. Applied Physics Letters, 2020, 117, 022401.	3.3	0
10	Magnetic transition behavior and large topological Hall effect in hexagonal Mn2â^'xFe1+xSn (xâ€‰=â€‰0.1) magnet. Applied Physics Letters, 2020, 117, .	3.3	9
11	Multi-resistance state tuned by interfacial active Pt layer in a perpendicular Hall balance. Applied Surface Science, 2020, 521, 146475.	6.1	4
12	Large Linear Negative Thermal Expansion in NiAs-type Magnetic Intermetallic Crâ€“Teâ€“Se Compounds. Inorganic Chemistry, 2020, 59, 8603-8608.	4.0	11
13	Giant anisotropic magnetocaloric effect by coherent orientation of crystallographic texture and rare-earth ion moments in HoNiSi ploycrystal. Acta Materialia, 2020, 193, 210-220.	7.9	34
14	Multiple transitions and wide refrigeration temperature range in R3NiSi2 (RÂ=ÂTb, Dy) compounds. Journal of Magnetism and Magnetic Materials, 2020, 502, 166551.	2.3	5
15	Spontaneous magnetic bubbles and large topological Hall effect in Mn3-xFexSn compound. Scripta Materialia, 2020, 187, 268-273.	5.2	7
16	Controllable magnetic transitions and magnetocaloric effect of Ho1-xTmxNi (0â‰¤xâ‰¤0.8) compounds. AIP Advances, 2020, 10, 015224.	1.3	1
17	Enhanced spinâ€“orbit torque switching in perpendicular multilayers via interfacial oxygen tunability. Applied Physics Letters, 2020, 117, .	3.3	5
18	Tunable magnetic properties and magnetocaloric effect of TmGa by Ho substitution. Physical Review B, 2020, 102, .	3.2	12

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19	Giant Negative Thermal Expansion in Antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>Cr</mml:mi><mml:mi>As</mml:mi></mml:mrow></mml:math> -Based Compounds. Physical Review Applied, 2019, 12, .	3.8	9
20	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, .	2.5	11
21	The magnetic properties of (La,Ce)Co5 ((La,Ce)=La0.35Ce0.65, La-Ce mischmetal) nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2018, 8, 056211.	1.3	0
22	Magnetic properties and magnetocaloric effect of HoCo3B2 compound. AIP Advances, 2018, 8, .	1.3	9
23	Complex magnetic properties and large magnetocaloric effects in RCoGe (R=Tb, Dy) compounds. AIP Advances, 2018, 8, .	1.3	6
24	Large magnetocaloric effect of NdGa compound due to successive magnetic transitions. AIP Advances, 2018, 8, .	1.3	8
25	Magnetic properties and magnetocaloric effects of RNiSi2 (R= Gd, Dy, Ho, Er, Tm) compounds. AIP Advances, 2018, 8, .	1.3	4
26	Correlation between magnetostriction and magnetic structure in pseudobinary compounds Tb(Co1-xFex)2. AIP Advances, 2017, 7, .	1.3	7
27	Large magnetocaloric effect of Ho_xEr_{1-x}Ni (0â€‰â‰â€‰xâ€‰â‰â€‰1) compounds. Journal of Applied Physics, 2016, 120, 163907.	2.5	30
28	Large magnetocaloric effect in Er12Co7 compound and the enhancement of ΔTFWHM by Ho-substitution. Journal of Alloys and Compounds, 2016, 680, 617-622.	5.5	24
29	The physical mechanism of magnetic field controlled magnetocaloric effect and magnetoresistance in bulk PrGa compound. Scientific Reports, 2015, 5, 14970.	3.3	16
30	Nearly constant magnetic entropy change and adiabatic temperature change in PrGa compound. Journal of Applied Physics, 2014, 115, .	2.5	19
31	Structure and magnetic properties of low-temperature phase Mn-Bi nanosheets with ultra-high coercivity and significant anisotropy. Journal of Applied Physics, 2014, 115, 17A742.	2.5	10
32	Magnetic properties and magnetocaloric effects of GdxEr1â^'xGa (0â€‰â‰â€‰xâ€‰â‰â€‰1) compounds. Journal of Applied Physics, 2014, 115, .	2.5	25
33	Effect of substitution of In for Co on magnetostructural coupling and magnetocaloric effect in MnCo1-xInxGe compounds. Journal of Applied Physics, 2014, 115, 17A911.	2.5	19
34	Evolution of magnetic properties and magnetocaloric effect in TmNi1â^'xCuxAl (x = 0, 0.1, 0.3, 0.5,) Tj ETQq0 0 0 rgBT /Overlock	2.5	8
35	Influence of lattice strain on charge/orbital ordering and phase separation in Pr0.7(Ca0.6Sr0.4)0.3MnO3 thin films. Journal of Applied Physics, 2014, 115, .	2.5	7
36	Magnetic phase transition and magnetocaloric effect in Dy12Co7 compound. Journal of Applied Physics, 2013, 114, .	2.5	22

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37	Giant magnetocaloric effect in Ho12Co7 compound. Applied Physics Letters, 2013, 102, .	3.3	31
38	Large refrigerant capacity of RGa (Râ€‰=â€‰Tb and Dy) compounds. Journal of Applied Physics, 2012, 111, .	2.5	41
39	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, .	2.5	41
40	Magnetocaloric effects in RNiIn (Râ€‰=â€‰Gd-Er) intermetallic compounds. Journal of Applied Physics, 2011, 109, .	2.5	46
41	Large magnetoresistance and metamagnetic transition in PrGa. Applied Physics Letters, 2011, 99, 122503.	3.3	13