

# Xinqi Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3302735/publications.pdf>

Version: 2024-02-01

41  
papers

527  
citations

687363

13  
h-index

713466

21  
g-index

41  
all docs

41  
docs citations

41  
times ranked

402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetocaloric effects in $RNiIn$ ( $R = Gd, Er$ ) intermetallic compounds. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	46
2	Large refrigerant capacity of $RGa$ ( $R = Tb$ and $Dy$ ) compounds. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	41
3	Reduction of hysteresis loss and large magnetocaloric effect in the C- and H-doped $La(Fe, Si)_{13}$ compounds around room temperature. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	41
4	Giant anisotropic magnetocaloric effect by coherent orientation of crystallographic texture and rare-earth ion moments in $HoNiSi$ polycrystal. <i>Acta Materialia</i> , 2020, 193, 210-220.	7.9	34
5	Giant magnetocaloric effect in $Ho_{12}Co_7$ compound. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	31
6	Large magnetocaloric effect of $Ho_{1-x}Er_xNi$ ( $0 \leq x \leq 1$ ) compounds. <i>Journal of Applied Physics</i> , 2016, 120, 163907.	2.5	30
7	Magnetic properties and magnetocaloric effects of $Gd_xEr_{1-x}Ga$ ( $0 \leq x \leq 1$ ) compounds. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	25
8	Large magnetocaloric effect in $Er_{12}Co_7$ compound and the enhancement of $\Delta T_{FWHM}$ by Ho-substitution. <i>Journal of Alloys and Compounds</i> , 2016, 680, 617-622.	5.5	24
9	Magnetic phase transition and magnetocaloric effect in $Dy_{12}Co_7$ compound. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	22
10	Nearly constant magnetic entropy change and adiabatic temperature change in $PrGa$ compound. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	19
11	Effect of substitution of In for Co on magnetostructural coupling and magnetocaloric effect in $MnCo_{1-x}In_xGe$ compounds. <i>Journal of Applied Physics</i> , 2014, 115, 17A911.	2.5	19
12	Magnetic Exchange Field Modulation of Quantum Hall Ferromagnetism in 2D van der Waals $CrCl_3$ /Graphene Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10656-10663.	8.0	17
13	The physical mechanism of magnetic field controlled magnetocaloric effect and magnetoresistance in bulk $PrGa$ compound. <i>Scientific Reports</i> , 2015, 5, 14970.	3.3	16
14	Large magnetoresistance and metamagnetic transition in $PrGa$ . <i>Applied Physics Letters</i> , 2011, 99, 122503.	3.3	13
15	Tunable magnetic properties and magnetocaloric effect of $TmGa$ by Ho substitution. <i>Physical Review B</i> , 2020, 102, .	3.2	12
16	Low working temperature near liquid helium boiling point of $RNiAl_2$ ( $R = Tm, Tb$ and $Gd$ ) compounds with large magnetocaloric effect. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	11
17	Large Linear Negative Thermal Expansion in NiAs-type Magnetic Intermetallic $CrTeSe$ Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 8603-8608.	4.0	11
18	Structure and magnetic properties of low-temperature phase Mn-Bi nanosheets with ultra-high coercivity and significant anisotropy. <i>Journal of Applied Physics</i> , 2014, 115, 17A742.	2.5	10

#	ARTICLE	IF	CITATIONS
19	Magnetic properties and magnetocaloric effect of HoCo <sub>3</sub> B <sub>2</sub> compound. AIP Advances, 2018, 8, .	1.3	9
20	Giant Negative Thermal Expansion in Antiferromagnetic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Cr} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{As} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Based Compounds. Physical Review Applied, 2019, 12, .	3.8	9
21	Magnetic transition behavior and large topological Hall effect in hexagonal Mn <sub>2</sub> <sup>x</sup> Fe <sub>1+x</sub> Sn ( $x \in [0, 0.1]$ ) magnet. Applied Physics Letters, 2020, 117, .	3.3	9
22	Evolution of magnetic properties and magnetocaloric effect in TmNi <sub>1-x</sub> Cu <sub>x</sub> Al ( $x = 0, 0.1, 0.3, 0.5$ ), Tj ETQq <sub>0.0</sub> 0 0 rgBT <sub>g</sub> /Overlock	2.5	0
23	Large magnetocaloric effect of NdGa compound due to successive magnetic transitions. AIP Advances, 2018, 8, .	1.3	8
24	Influence of lattice strain on charge/orbital ordering and phase separation in Pr <sub>0.7</sub> (Ca <sub>0.6</sub> Sr <sub>0.4</sub> ) <sub>0.3</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 2014, 115, .	2.5	7
25	Correlation between magnetostriction and magnetic structure in pseudobinary compounds Tb(Co <sub>1-x</sub> Fex) <sub>2</sub> . AIP Advances, 2017, 7, .	1.3	7
26	Spontaneous magnetic bubbles and large topological Hall effect in Mn <sub>3-x</sub> FexSn compound. Scripta Materialia, 2020, 187, 268-273.	5.2	7
27	Complex magnetic properties and large magnetocaloric effects in RCoGe (R=Tb, Dy) compounds. AIP Advances, 2018, 8, .	1.3	6
28	Large barocaloric effect in intermetallic La <sub>1.2</sub> Ce <sub>0.8</sub> Fe <sub>11</sub> Si <sub>2</sub> H <sub>1.86</sub> materials driven by low pressure. NPG Asia Materials, 2022, 14, .	7.9	6
29	Greatly Enhanced Methanol Oxidation Reaction of $\langle \text{scp} \rangle \text{CoPt} \langle \text{scp} \rangle$ Truncated Octahedral Nanoparticles by External Magnetic Fields. Energy and Environmental Materials, 2023, 6, .	12.8	6
30	Multiple transitions and wide refrigeration temperature range in R <sub>3</sub> NiSi <sub>2</sub> (R= Tb, Dy) compounds. Journal of Magnetism and Magnetic Materials, 2020, 502, 166551.	2.3	5
31	Enhanced spin-orbit torque switching in perpendicular multilayers via interfacial oxygen tunability. Applied Physics Letters, 2020, 117, .	3.3	5
32	Magnetic properties and magnetocaloric effects of RNiSi <sub>2</sub> (R= Gd, Dy, Ho, Er, Tm) compounds. AIP Advances, 2018, 8, .	1.3	4
33	Multi-resistance state tuned by interfacial active Pt layer in a perpendicular Hall balance. Applied Surface Science, 2020, 521, 146475.	6.1	4
34	Degradation Effect and Magnetoelectric Transport Properties in CrBr <sub>3</sub> Devices. Materials, 2022, 15, 3007.	2.9	2
35	Controllable magnetic transitions and magnetocaloric effect of Ho <sub>1-x</sub> TmxNi ( $0 \leq x \leq 0.8$ ) compounds. AIP Advances, 2020, 10, 015224.	1.3	1
36	Antiferromagnetic Phase Induced by Nitrogen Doping in 2D Cr <sub>2</sub> S <sub>3</sub> . Materials, 2022, 15, 1716.	2.9	1

#	ARTICLE	IF	CITATIONS
37	Large magnetocaloric effect of $Tm_{1-x}Y_xGa$ compounds with second-order magnetic transition around liquid helium temperature. Journal of Applied Physics, 2022, 131, 185110.	2.5	1
38	The magnetic properties of $(La,Ce)Co_5$ ( $(La,Ce)=La_{0.35}Ce_{0.65}$ , La-Ce mischmetal) nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2018, 8, 056211.	1.3	0
39	Direct observation of multiple magnetic transitions in the $La_3NiGe_2$ -type compounds. Applied Physics Letters, 2020, 117, 022401.	3.3	0
40	Interfacial Effect on Photo-Modulated Magnetic Properties of Core/Shell-Structured NiFe/NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles. Materials, 2022, 15, 1347.	2.9	0
41	Real-space observation of non-collinear spin structure in centrosymmetric TbGa rare-earth magnet. AIP Advances, 2022, 12, 055315.	1.3	0