

Chengliang Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,200
citations

16
h-index

34
g-index

36
ext. papers

1,286
ext. citations

3.4
avg, IF

3.83
L-index

#	Paper	IF	Citations
35	Giant barocaloric effects with a wide refrigeration temperature range in ethylene vinyl acetate copolymers.. <i>Materials Horizons</i> , 2022 ,	14.4	1
34	Calorimetric study of the giant magnetocaloric effect in (MnNiSi) _{0.56} (FeNiGe) _{0.44} . <i>Physical Review B</i> , 2021 , 103,	3.3	3
33	Coordination multi-band absorbers with patterned irrelevant graphene patches based on multi-layer film structures. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 505306	3	5
32	Inversion Method Characterization of Graphene-Based Coordination Absorbers Incorporating Periodically Patterned Metal Ring Metasurfaces. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
31	Large reversible magnetostriction and improved mechanical properties in epoxy-reinforced MnCoSi _{1-x} Ge _x cast ingots. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 16-21	5.7	5
30	Magnetostructural transition and magnetocaloric effect in a MnCoSi-based material system. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 959-963	5.7	12
29	Tunable magnetostructural coupling and large magnetocaloric effect in Mn _{1-x} Ni _{1-x} Fe ₂ Si _{1-x} Ga. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 432, 527-531	2.8	9
28	Tunable magnetostructural phase transition and magnetocaloric effect in Mn _{1-x} Ni _{1-x} Co _{2x} Si _{1-x} Ge _x system. <i>Journal of Alloys and Compounds</i> , 2017 , 698, 7-12	5.7	10
27	Magnetostructural transition and magnetocaloric effect in MnCoGe _{1-x} Ni _x CoGe system. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 36-39	5.7	39
26	Magnetostructural transition and magnetocaloric effect in MnNiSi-Fe ₂ Ge system. <i>Applied Physics Letters</i> , 2015 , 107, 212403	3.4	46
25	The TiNiSi-to-Ni ₂ In-type magnetostructural transitions in alloys with largely reduced Ge-concentrations. <i>Solid State Communications</i> , 2014 , 190, 1-4	1.6	8
24	Thermal-cycling-dependent magnetostructural transitions in a Ge-free system Mn _{0.5} Fe _{0.5} Ni(Si,Al). <i>Applied Physics Letters</i> , 2014 , 105, 242403	3.4	30
23	The tunable magnetostructural transition in MnNiSi-FeNiGe system. <i>Applied Physics Letters</i> , 2013 , 103, 132411	3.4	37
22	Magnetostructural transformation and magnetocaloric effect in MnNiGe _{1-x} Ga _x alloys. <i>Journal of Applied Physics</i> , 2013 , 114, 153907	2.5	20
21	The magnetocaloric effect in Gd ₃ In _{1-x} Al _x (x=0, 0.04, 0.08) alloys. <i>Solid State Communications</i> , 2013 , 166, 19-21	1.6	2
20	Magnetostructural transformation in Mn _{1+x} Ni _{1-x} Ge and Mn _{1-x} Ni _{1+x} Ge alloys. <i>Journal of Applied Physics</i> , 2012 , 112, 123911	2.5	9
19	The magnetic phase transitions and magnetocaloric effect in MnNi _{1-x} CoxGe alloys. <i>Solid State Communications</i> , 2011 , 151, 1359-1362	1.6	10

18	Magnetic phase transitions and magnetocaloric effect in the Fe-doped MnNiGe alloys. <i>Chinese Physics B</i> , 2011 , 20, 097501	1.2	11
17	The magnetocaloric effect in Nd(Co _{1-x} Fe _x) ₁₂ B ₆ alloys. <i>Physica B: Condensed Matter</i> , 2011 , 406, 2840-2842	2	
16	Large and highly reversible magnetic field-induced strains in textured Co _{1-x} Ni _x MnSi alloys at room temperature. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 135003	3	13
15	Large magnetoresistance in metamagnetic CoMnSi _{0.88} Ge _{0.12} alloy. <i>Chinese Physics B</i> , 2010 , 19, 037501	1.2	3
14	The magnetostructural transformation and magnetocaloric effect in Co-doped MnNiGe _{1.05} alloys. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 205003	3	40
13	Large magnetic entropy change and broad working temperature span in CoMnSi _{0.88} Ge _{0.12} alloy. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 015007	3	9
12	Large magnetic entropy changes in Gd ₁₀₀ amorphous ribbons. <i>Journal of Applied Physics</i> , 2009 , 105, 013912	2.5	39
11	Large magnetic entropy changes and magnetoresistance in Ni ₄₅ Mn ₄₂ Cr ₂ Sn ₁₁ alloy. <i>Journal of Applied Physics</i> , 2008 , 103, 033901	2.5	26
10	Effect of annealing on the martensitic transformation and magnetocaloric effect in Ni _{44.1} Mn _{44.2} Sn _{11.7} ribbons. <i>Applied Physics Letters</i> , 2008 , 92, 242506	3.4	73
9	The phase transitions, magnetocaloric effect, and magnetoresistance in Co doped Ni _{1-x} Mn _x Bb ferromagnetic shape memory alloys. <i>Journal of Applied Physics</i> , 2008 , 104, 053906	2.5	45
8	Boron effect on martensitic transformation and magnetocaloric effect in Ni ₄₃ Mn ₄₆ Sn ₁₁ B _x alloys. <i>Applied Physics Letters</i> , 2008 , 92, 102503	3.4	64
7	Magnetostructural phase transition and magnetocaloric effect in off-stoichiometric Mn _{1.9-x} Ni _x Ge alloys. <i>Applied Physics Letters</i> , 2008 , 93, 122505	3.4	105
6	The study of low-field positive and negative magnetic entropy changes in Ni ₄₃ Mn _{46-x} Cu _x Sn ₁₁ alloys. <i>Journal of Applied Physics</i> , 2007 , 102, 013909	2.5	63
5	Giant low-field magnetic entropy changes in Ni ₄₅ Mn _{44-x} Cr _x Sn ₁₁ ferromagnetic shape memory alloys. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 7287-7290	3	18
4	Low-field inverse magnetocaloric effect in Ni _{50-x} Mn _{39+x} Sn ₁₁ Heusler alloys. <i>Applied Physics Letters</i> , 2007 , 90, 042507	3.4	200
3	Large magnetic entropy changes in NdFe ₁₂ B ₆ compound. <i>Applied Physics Letters</i> , 2006 , 89, 122503	3.4	9
2	Coexistence of low-field positive and negative magnetic entropy change in SmMn ₂ Ge ₂ . <i>Journal of Applied Physics</i> , 2006 , 100, 043908	2.5	9
1	Large magnetic entropy changes in the Ni _{45.4} Mn _{41.5} In _{13.1} ferromagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2006 , 89, 182507	3.4	215

