Chengliang Zhang

List of Publications by Citations

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	Large magnetic entropy changes in the Ni45.4Mn41.5In13.1 ferromagnetic shape memory alloy. *Applied Physics Letters*, **2006**, 89, 182507	3.4	215
34	Low-field inverse magnetocaloric effect in Ni50−xMn39+xSn11 Heusler alloys. *Applied Physics Letters*, **2007**, 90, 042507	3.4	200
33	Magnetostructural phase transition and magnetocaloric effect in off-stoichiometric Mn1.9−xNixGe alloys. *Applied Physics Letters*, **2008**, 93, 122505	3.4	105
32	Effect of annealing on the martensitic transformation and magnetocaloric effect in Ni44.1Mn44.2Sn11.7 ribbons. *Applied Physics Letters*, **2008**, 92, 242506	3.4	73
31	Boron effect on martensitic transformation and magnetocaloric effect in Ni43Mn46Sn11Bx alloys. *Applied Physics Letters*, **2008**, 92, 102503	3.4	64
30	The study of low-field positive and negative magnetic entropy changes in Ni43Mn46−xCuxSn11 alloys. *Journal of Applied Physics*, **2007**, 102, 013909	2.5	63
29	Magnetostructural transition and magnetocaloric effect in MnNiSi-Fe2Ge system. *Applied Physics Letters*, **2015**, 107, 212403	3.4	46
28	The phase transitions, magnetocaloric effect, and magnetoresistance in Co doped Ni-Mn-Sb ferromagnetic shape memory alloys. *Journal of Applied Physics*, **2008**, 104, 053906	2.5	45
27	The magnetostructural transformation and magnetocaloric effect in Co-doped MnNiGe1.05alloys. *Journal Physics D: Applied Physics*, **2010**, 43, 205003	3	40
26	Magnetostructural transition and magnetocaloric effect in MnCoGe-NiCoGe system. *Journal of Alloys and Compounds*, **2015**, 639, 36-39	5.7	39
25	Large magnetic entropy changes in Gd-Co amorphous ribbons. *Journal of Applied Physics*, **2009**, 105, 013912	2.5	39
24	The tunable magnetostructural transition in MnNiSi-FeNiGe system. *Applied Physics Letters*, **2013**, 103, 132411	3.4	37
23	Thermal-cycling-dependent magnetostructural transitions in a Ge-free system Mn0.5Fe0.5Ni(Si,Al). *Applied Physics Letters*, **2014**, 105, 242403	3.4	30
22	Large magnetic entropy changes and magnetoresistance in Ni45Mn42Cr2Sn11 alloy. *Journal of Applied Physics*, **2008**, 103, 033901	2.5	26
21	Magnetostructural transformation and magnetocaloric effect in MnNiGe1-xGax alloys. *Journal of Applied Physics*, **2013**, 114, 153907	2.5	20
20	Giant low-field magnetic entropy changes in Ni45Mn44−xCrxSn11 ferromagnetic shape memory alloys. *Journal Physics D: Applied Physics*, **2007**, 40, 7287-7290	3	18
19	Large and highly reversible magnetic field-induced strains in textured Co1−xNixMnSi alloys at room temperature. *Journal Physics D: Applied Physics*, **2011**, 44, 135003	3	13

18	Magnetostructural transition and magnetocaloric effect in a MnCoSi-based material system. *Journal of Alloys and Compounds*, **2018**, 735, 959-963	5.7	12
17	Magnetic phase transitions and magnetocaloric effect in the Fe-doped MnNiGe alloys. *Chinese Physics B*, **2011**, 20, 097501	1.2	11
16	Tunable magnetostructural phase transition and magnetocaloric effect in Mn 1− Ni 1− Co 2x Si 1− Ge x system. *Journal of Alloys and Compounds*, **2017**, 698, 7-12	5.7	10
15	The magnetic phase transitions and magnetocaloric effect in MnNi1−CoxGe alloys. *Solid State Communications*, **2011**, 151, 1359-1362	1.6	10
14	Tunable magnetostructural coupling and large magnetocaloric effect in Mn1Ni1e2Si1a. *Journal of Magnetism and Magnetic Materials*, **2017**, 432, 527-531	2.8	9
13	Large magnetic entropy change and broad working temperature span in CoMnSi0.88Ge0.12alloy. *Journal Physics D: Applied Physics*, **2009**, 42, 015007	3	9
12	Magnetostructural transformation in Mn1+xNi1−Ge and Mn1−Ni1+xGe alloys. *Journal of Applied Physics*, **2012**, 112, 123911	2.5	9
11	Large magnetic entropy changes in NdFe12B6 compound. *Applied Physics Letters*, **2006**, 89, 122503	3.4	9
10	Coexistence of low-field positive and negative magnetic entropy change in SmMn2Ge2. *Journal of Applied Physics*, **2006**, 100, 043908	2.5	9
9	The TiNiSi-to-Ni2In-type magnetostructural transitions in alloys with largely reduced Ge-concentrations. *Solid State Communications*, **2014**, 190, 1-4	1.6	8
8	Inversion Method Characterization of Graphene-Based Coordination Absorbers Incorporating Periodically Patterned Metal Ring Metasurfaces. *Nanomaterials*, **2020**, 10,	5.4	7
7	Large reversible magnetostriction and improved mechanical properties in epoxy-reinforced MnCoSi1-xGex cast ingots. *Journal of Alloys and Compounds*, **2019**, 784, 16-21	5.7	5
6	Coordination multi-band absorbers with patterned irrelevant graphene patches based on multi-layer film structures. *Journal Physics D: Applied Physics*, **2021**, 54, 505306	3	5
5	Large magnetoresistance in metamagnetic CoMnSi 0.88 Ge 0.12 alloy. *Chinese Physics B*, **2010**, 19, 037501	1.2	3
4	Calorimetric study of the giant magnetocaloric effect in (MnNiSi)0.56(FeNiGe)0.44. *Physical Review B*, **2021**, 103,	3.3	3
3	The magnetocaloric effect in Gd3In1−Alx (x=0, 0.04, 0.08) alloys. *Solid State Communications*, **2013**, 166, 19-21	1.6	2
2	The magnetocaloric effect in Nd(Co1−Fex)12B6 alloys. *Physica B: Condensed Matter*, **2011**, 406, 2840-2842	2.8	2
1	Giant barocaloric effects with a wide refrigeration temperature range in ethylene vinyl acetate copolymers.. *Materials Horizons*, **2022**,	14.4	1