Chengliang Zhang

List of Publications by Year
in descending order

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34	1,370	516681	345203
papers	citations	16 h-index	36 g-index

36	36	36	888
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large magnetic entropy changes in the Ni45.4Mn41.5In13.1 ferromagnetic shape memory alloy. Applied Physics Letters, 2006, 89, 182507.	3.3	230
2	Low-field inverse magnetocaloric effect in Ni50â^'xMn39+xSn11 Heusler alloys. Applied Physics Letters, 2007, 90, 042507.	3.3	210
3	Magnetostructural phase transition and magnetocaloric effect in off-stoichiometric Mn1.9â^'xNixGe alloys. Applied Physics Letters, 2008, 93, 122505.	3.3	116
4	Effect of annealing on the martensitic transformation and magnetocaloric effect in Ni44.1Mn44.2Sn11.7 ribbons. Applied Physics Letters, 2008, 92, 242506.	3.3	86
5	The study of low-field positive and negative magnetic entropy changes in Ni43Mn46â^'xCuxSn11 alloys. Journal of Applied Physics, 2007, 102, .	2.5	68
6	Boronâ€™s effect on martensitic transformation and magnetocaloric effect in Ni43Mn46Sn11Bx alloys. Applied Physics Letters, 2008, 92, 102503.	3.3	68
7	Magnetostructural transition and magnetocaloric effect in MnNiSi-Fe2Ge system. Applied Physics Letters, 2015, 107, .	3.3	60
8	The phase transitions, magnetocaloric effect, and magnetoresistance in Co doped Niâ€“Mnâ€“Sb ferromagnetic shape memory alloys. Journal of Applied Physics, 2008, 104, .	2.5	50
9	The magnetostructural transformation and magnetocaloric effect in Co-doped MnNiGe_{1.05} alloys. Journal Physics D: Applied Physics, 2010, 43, 205003.	2.8	50
10	The tunable magnetostructural transition in MnNiSi-FeNiGe system. Applied Physics Letters, 2013, 103, 132411.	3.3	44
11	Large magnetic entropy changes in Gdâ€“Co amorphous ribbons. Journal of Applied Physics, 2009, 105, .	2.5	43
12	Magnetostructural transition and magnetocaloric effect in MnCoGeâ€“NiCoGe system. Journal of Alloys and Compounds, 2015, 639, 36-39.	5.5	41
13	Thermal-cycling-dependent magnetostructural transitions in a Ge-free system Mn0.5Fe0.5Ni(Si,Al). Applied Physics Letters, 2014, 105, .	3.3	37
14	Large magnetic entropy changes and magnetoresistance in Ni45Mn42Cr2Sn11 alloy. Journal of Applied Physics, 2008, 103, 033901.	2.5	27
15	Magnetostructural transformation and magnetocaloric effect in MnNiGe1-xGax alloys. Journal of Applied Physics, 2013, 114, .	2.5	27
16	Giant low-field magnetic entropy changes in Ni45Mn44â^'xCrxSn11 ferromagnetic shape memory alloys. Journal Physics D: Applied Physics, 2007, 40, 7287-7290.	2.8	20
17	Magnetostructural transition and magnetocaloric effect in a MnCoSi-based material system. Journal of Alloys and Compounds, 2018, 735, 959-963.	5.5	17
18	Coordination multi-band absorbers with patterned irrelevant graphene patches based on multi-layer film structures. Journal Physics D: Applied Physics, 2021, 54, 505306.	2.8	15

#	Article	IF	Citations
19	Large and highly reversible magnetic field-induced strains in textured Co_{1â^'x}Ni_xMnSi alloys at room temperature. Journal Physics D: Applied Physics, 2011, 44, 135003.	2.8	14
20	Tunable magnetostructural coupling and large magnetocaloric effect in Mn1â^'Ni1â^'Fe2Si1â^'Ga. Journal of Magnetism and Magnetic Materials, 2017, 432, 527-531.	2.3	14
21	Tunable magnetostructural phase transition and magnetocaloric effect in Mn 1â^'x Ni 1â^'x Co 2x Si 1â^'x Ge x system. Journal of Alloys and Compounds, 2017, 698, 7-12.	5.5	14
22	Magnetic phase transitions and magnetocaloric effect in the Fe-doped MnNiGe alloys. Chinese Physics B, 2011, 20, 097501.	1.4	13
23	The magnetic phase transitions and magnetocaloric effect in MnNi1â^'xCoxGe alloys. Solid State Communications, 2011, 151, 1359-1362.	1.9	12
24	Large magnetic entropy changes in NdFe12B6 compound. Applied Physics Letters, 2006, 89, 122503.	3.3	11
25	Coexistence of low-field positive and negative magnetic entropy change in SmMn2Ge2. Journal of Applied Physics, 2006, 100, 043908.	2.5	10
26	Large magnetic entropy change and broad working temperature span in CoMnSi_{0.88}Ge_{0.12}alloy. Journal Physics D: Applied Physics, 2009, 42, 015007.	2.8	10
27	Magnetostructural transformation in Mn1+xNi1â^'xGe and Mn1â^'xNi1+xGe alloys. Journal of Applied Physics, 2012, 112, .	2.5	10
28	Inversion Method Characterization of Graphene-Based Coordination Absorbers Incorporating Periodically Patterned Metal Ring Metasurfaces. Nanomaterials, 2020, 10, 1102.	4.1	10
29	The TiNiSi-to-Ni2In-type magnetostructural transitions in alloys with largely reduced Ge-concentrations. Solid State Communications, 2014, 190, 1-4.	1.9	9
30	Large reversible magnetostriction and improved mechanical properties in epoxy-reinforced MnCoSi1-xGex cast ingots. Journal of Alloys and Compounds, 2019, 784, 16-21.	5.5	7
31	Giant barocaloric effects with a wide refrigeration temperature range in ethylene vinyl acetate copolymers. Materials Horizons, 2022, 9, 1293-1298.	12.2	5
32	The magnetocaloric effect in Nd(Co1â^'xFex)12B6 alloys. Physica B: Condensed Matter, 2011, 406, 2840-2842.	2.7	4
33	Large magnetoresistance in metamagnetic CoMnSi _{0.88} Ge _{0.12} alloy. Chinese Physics B, 2010, 19, 037501.	1.4	3
34	The magnetocaloric effect in Gd3In1â^'xAlx (x=0, 0.04, 0.08) alloys. Solid State Communications, 2013, 166, 19-21.	1.9	2