Jing-Han Chen

List of Publications by Year
in descending order

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26	720	759233 12	580821 25
papers	citations	h-index	g-index

26	26	26	1036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Giant elastocaloric effect in directionally solidified Niâ€“Mnâ€“In magnetic shape memory alloy. Scripta Materialia, 2015, 105, 42-45.	5.2	133
2	Bifunctional metal phosphide FeMnP films from single source metal organic chemical vapor deposition for efficient overall water splitting. Nano Energy, 2017, 39, 444-453.	16.0	117
3	The effect of heat treatments on Ni43Mn42Co4Sn11 meta-magnetic shape memory alloys for magnetic refrigeration. Acta Materialia, 2014, 74, 66-84.	7.9	97
4	Properties of atomized AlCoCrFeNi high-entropy alloy powders and their phase-adjustable coatings prepared via plasma spray process. Applied Surface Science, 2019, 478, 478-486.	6.1	91
5	Direct measure of giant magnetocaloric entropy contributions in Niâ€“Mnâ€“In. Acta Materialia, 2016, 105, 176-181.	7.9	46
6	A structural survey of the binary transition metal phosphides and arsenides of the d-block elements. Coordination Chemistry Reviews, 2018, 355, 271-327.	18.8	45
7	Calorimetric and magnetic study for Ni50Mn36In14 and relative cooling power in paramagnetic inverse magnetocaloric systems. Journal of Applied Physics, 2014, 116, .	2.5	30
8	On entropy determination from magnetic and calorimetric experiments in conventional giant magnetocaloric materials. Journal of Applied Physics, 2018, 123, .	2.5	20
9	Relative cooling power enhancement by tuning magneto-structural stability in Ni-Mn-In Heusler alloys. Journal of Alloys and Compounds, 2018, 744, 785-790.	5.5	17
10	Huge positive magnetoresistance in an InN film. Applied Physics Letters, 2007, 90, 172101.	3.3	14
11	Tuning martensitic transitions in (MnNiSi)0.65(Fe2Ge)0.35 through heat treatment and hydrostatic pressure. Journal of Applied Physics, 2018, 124, .	2.5	14
12	Effects of heat treatments on magneto-structural phase transitions in MnNiSi-FeCoGe alloys. Intermetallics, 2019, 112, 106547.	3.9	14
13	The influence of Au substitution and hydrostatic pressure on the phase transitions and magnetocaloric properties of MnCoGe alloys. Journal of Applied Physics, 2020, 127, .	2.5	12
14	Conductance of Stretching Oligothiophene Single-Molecule Junctions: A First-Principles Study. Journal of Physical Chemistry C, 2011, 115, 25105-25108.	3.1	10
15	Thin Films of (Fe_{1â€“x}Co_x)₃P and Fe₃(P_{1â€“x}Te_x) from the Co-Decomposition of Organometallic Precursors by MOCVD. Chemistry of Materials, 2016, 28, 7066-7071.	6.7	10
16	Synthesis of Hexagonal FeMnP Thin Films from a Singleâ€Source Molecular Precursor. Chemistry - A European Journal, 2017, 23, 5565-5572.	3.3	9
17	The effects of hydrostatic pressure on the martensitic transition, magnetic, and magnetocaloric effects of Ni45Mn43CoSn11. MRS Communications, 2017, 7, 885-890.	1.8	9
18	The influence of hydrostatic pressure and annealing conditions on the magnetostructural transitions in MnCoGe. Journal of Applied Physics, 2021, 129, .	2.5	9

#	Article	IF	Citations
19	Critical behavior in Ni2MnGa and Ni2Mn0.85Cu0.15Ga. Journal of Applied Physics, 2018, 123, .	2.5	6
20	Magnetic and magnetocaloric properties of Ni-Mn-Cr-Sn Heusler alloys under the effects of hydrostatic pressure. AIP Advances, 2018, 8, .	1.3	4
21	Experimental evidence for Drude-Boltzmann-like transport in a two-dimensional electron gas in an AlGaN/GaN heterostructure. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1713-1716.	0.8	3
22	Specific heat and the influence of hydrostatic pressure on the phase transitions in Ni50Mn35In14.25B0.75. Journal of Magnetism and Magnetic Materials, 2018, 463, 19-22.	2.3	3
23	Study on the continuous phase evolution and physical properties of gas-atomized high-entropy alloy powders. Materials Research Express, 2020, 7, 026545.	1.6	3
24	Iron carbonyl clusters with ECl2 units (EÂ=ÂP, As). Journal of Organometallic Chemistry, 2017, 849-850, 279-285.	1.8	2
25	The effects of Cu-substitution and high-pressure synthesis on phase transitions in Ni2MnGa Heusler alloys. Journal of Alloys and Compounds, 2022, 900, 163480.	5.5	2
26	NMR studies of the ground states of Ni50-xCoxMn35In15 (x=1, 2.5) and Ni45Co5Mn37In13 Heusler alloys. AIP Advances, 2020, 10, 015328.	1.3	0