

# Jing-Han Chen

## List of Publications by Year in descending order

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26  
papers

720  
citations

759233

12  
h-index

580821

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26  
docs citations

26  
times ranked

1036  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of Cu-substitution and high-pressure synthesis on phase transitions in Ni <sub>2</sub> MnGa Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163480.	5.5	2
2	The influence of hydrostatic pressure and annealing conditions on the magnetostructural transitions in MnCoGe. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	9
3	Study on the continuous phase evolution and physical properties of gas-atomized high-entropy alloy powders. <i>Materials Research Express</i> , 2020, 7, 026545.	1.6	3
4	The influence of Au substitution and hydrostatic pressure on the phase transitions and magnetocaloric properties of MnCoGe alloys. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	12
5	NMR studies of the ground states of Ni <sub>50-x</sub> Co <sub>x</sub> Mn <sub>35</sub> In <sub>15</sub> (x=1, 2.5) and Ni <sub>45</sub> Co <sub>5</sub> Mn <sub>37</sub> In <sub>13</sub> Heusler alloys. <i>AIP Advances</i> , 2020, 10, 015328.	1.3	0
6	Effects of heat treatments on magneto-structural phase transitions in MnNiSi-FeCoGe alloys. <i>Intermetallics</i> , 2019, 112, 106547.	3.9	14
7	Properties of atomized AlCoCrFeNi high-entropy alloy powders and their phase-adjustable coatings prepared via plasma spray process. <i>Applied Surface Science</i> , 2019, 478, 478-486.	6.1	91
8	On entropy determination from magnetic and calorimetric experiments in conventional giant magnetocaloric materials. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	20
9	Relative cooling power enhancement by tuning magneto-structural stability in Ni-Mn-In Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2018, 744, 785-790.	5.5	17
10	Magnetic and magnetocaloric properties of Ni-Mn-Cr-Sn Heusler alloys under the effects of hydrostatic pressure. <i>AIP Advances</i> , 2018, 8, .	1.3	4
11	A structural survey of the binary transition metal phosphides and arsenides of the d-block elements. <i>Coordination Chemistry Reviews</i> , 2018, 355, 271-327.	18.8	45
12	Tuning martensitic transitions in (MnNiSi) <sub>0.65</sub> (Fe <sub>2</sub> Ge) <sub>0.35</sub> through heat treatment and hydrostatic pressure. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	14
13	Critical behavior in Ni <sub>2</sub> MnGa and Ni <sub>2</sub> Mn <sub>0.85</sub> Cu <sub>0.15</sub> Ga. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	6
14	Specific heat and the influence of hydrostatic pressure on the phase transitions in Ni <sub>50</sub> Mn <sub>35</sub> In <sub>14.25</sub> B <sub>0.75</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 463, 19-22.	2.3	3
15	Synthesis of Hexagonal FeMnP Thin Films from a Single-Source Molecular Precursor. <i>Chemistry - A European Journal</i> , 2017, 23, 5565-5572.	3.3	9
16	Iron carbonyl clusters with ECl <sub>2</sub> units (E=As). <i>Journal of Organometallic Chemistry</i> , 2017, 849-850, 279-285.	1.8	2
17	The effects of hydrostatic pressure on the martensitic transition, magnetic, and magnetocaloric effects of Ni <sub>45</sub> Mn <sub>43</sub> CoSn <sub>11</sub> . <i>MRS Communications</i> , 2017, 7, 885-890.	1.8	9
18	Bifunctional metal phosphide FeMnP films from single source metal organic chemical vapor deposition for efficient overall water splitting. <i>Nano Energy</i> , 2017, 39, 444-453.	16.0	117

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19	Thin Films of $(\text{Fe}_{1-x}\text{Co}_x)_3\text{P}$ and $\text{Fe}_3(\text{P}_{1-x}\text{Te}_x)$ from the Co-Decomposition of Organometallic Precursors by MOCVD. <i>Chemistry of Materials</i> , 2016, 28, 7066-7071.	6.7	10
20	Direct measure of giant magnetocaloric entropy contributions in $\text{Ni-Mn-In}$ . <i>Acta Materialia</i> , 2016, 105, 176-181.	7.9	46
21	Giant elastocaloric effect in directionally solidified $\text{Ni-Mn-In}$ magnetic shape memory alloy. <i>Scripta Materialia</i> , 2015, 105, 42-45.	5.2	133
22	Calorimetric and magnetic study for $\text{Ni}_{50}\text{Mn}_{36}\text{In}_{14}$ and relative cooling power in paramagnetic inverse magnetocaloric systems. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	30
23	The effect of heat treatments on $\text{Ni}_{43}\text{Mn}_{42}\text{Co}_4\text{Sn}_{11}$ meta-magnetic shape memory alloys for magnetic refrigeration. <i>Acta Materialia</i> , 2014, 74, 66-84.	7.9	97
24	Conductance of Stretching Oligothiophene Single-Molecule Junctions: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25105-25108.	3.1	10
25	Huge positive magnetoresistance in an $\text{InN}$ film. <i>Applied Physics Letters</i> , 2007, 90, 172101.	3.3	14
26	Experimental evidence for Drude-Boltzmann-like transport in a two-dimensional electron gas in an $\text{AlGaIn/GaN}$ heterostructure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 1713-1716.	0.8	3