

Chun-Mei Li

List of Publications by Year in descending order

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19
papers

378
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Site occupancy, magnetic moments, and elastic constants of off-stoichiometric $\text{Ni}_{1-x}\text{Mn}_x$ shape-memory alloys from first-principles calculations. <i>Physical Review B</i> , 2009, 79, .	3.2	64
2	First-principles investigation of the composition dependent properties of $\text{Ni}_{1-x}\text{Mn}_x$ shape-memory alloys. <i>Physical Review B</i> , 2010, 82, .	3.2	60
3	Site preference and elastic properties of Fe-, Co-, and Cu-doped $\text{Ni}_{1-x}\text{Mn}_x$ shape memory alloys from first principles. <i>Physical Review B</i> , 2011, 84, .	3.2	56
4	Role of magnetic and atomic ordering in the martensitic transformation of Ni-Mn-In from a first-principles study. <i>Physical Review B</i> , 2012, 86, .	3.2	48
5	Temperature dependence of elastic properties of $\text{Ni}_{1-x}\text{Mn}_x$ shape memory alloys from first-principles calculations. <i>Physical Review B</i> , 2011, 84, .	3.2	27
6	First-principles study of the elastic properties of In-Tl random alloys. <i>Physical Review B</i> , 2010, 82, .	3.2	23
7	Theoretical investigation of the magnetic and structural transitions of Ni-Co-Mn-Sn metamagnetic shape-memory alloys. <i>Physical Review B</i> , 2015, 92, .	3.2	19
8	Magnetoelastic effects in $\text{Ni}_{1-x}\text{Mn}_x$ shape-memory alloys from first-principles calculations. <i>Physical Review B</i> , 2010, 81, .	3.2	18
9	Understanding the martensitic phase transition of $\text{Ni}_{1-x}\text{Mn}_x$ shape-memory alloys from theoretical calculations. <i>Physical Review B</i> , 2015, 91, .	3.2	14
10	Interplay between temperature and composition effects on the martensitic transformation in $\text{Ni}_{1-x}\text{Mn}_x$ alloys. <i>Applied Physics Letters</i> , 2011, 98, 261903.	3.3	12
11	Magnetic ordering and physical stability of $\text{X}_2\text{Mn}_{1-x}\text{Sn}_x$ (X=Ru, Os, Co, Rh, Ni, Pd, Cu, and Ag) Heusler alloys from a first-principles study. <i>Physical Review B</i> , 2013, 88, .	3.2	11
12	Physical mechanism of $\hat{\Gamma}'_2$ phase stability in plutonium. <i>Scientific Reports</i> , 2017, 7, 5632.	3.3	7
13	Anomalous thermodynamic properties and phase stability of $\hat{\Gamma}'_2$ phase in plutonium.		

#	ARTICLE	IF	CITATIONS
19	Impacts of atomic and magnetic configurations on the phase stability of Fe-Pd shape memory alloys: A first-principles study. <i>Journal of Applied Physics</i> , 2021, 129, 035105.	2.5	0