

Xi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

352
citations

1040056

9
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Ab initio prediction of electronic free energies of the Co_3Al intermetallic compound. <i>Physical Review B</i> , 2018, 98, .	3.2	70
2	Temperature dependence of the stacking-fault Gibbs energy for Al, Cu, and Ni. <i>Physical Review B</i> , 2018, 98, .	3.2	61
3	Calculating free energies of point defects from ab initio. <i>Computational Materials Science</i> , 2018, 148, 249-259.	3.0	47
4	Thermodynamic assessment of the U-Mo-Al system. <i>Journal of Nuclear Materials</i> , 2010, 402, 15-24.	2.7	39
5	Thermodynamic assessment of Co-Al-W system and solidification of Co-enriched ternary alloys. <i>Journal of Materials Science</i> , 2011, 46, 2611-2621.	3.7	38
6	Zr diffusion in BCC refractory high entropy alloys: A case of "non-sluggish" diffusion behavior. <i>Acta Materialia</i> , 2022, 233, 117970.	7.9	33
7	Ab initio prediction of vacancy properties in concentrated alloys: The case of fcc Cu-Ni. <i>Physical Review B</i> , 2015, 91, .	3.2	29
8	Ab initio prediction of vacancy energetics in HCP Al-Hf-Sc-Ti-Zr high entropy alloys and the subsystems. <i>Acta Materialia</i> , 2022, 227, 117677.	7.9	22
9	Ab initio simulations of the surface free energy of TiN(001). <i>Physical Review B</i> , 2021, 103, .	3.2	9
10	Kinetically driven ordering in phase separating alloys. <i>Physical Review Materials</i> , 2019, 3, .	2.4	4