Xi Zhang

List of Publications by Year
in descending order

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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 vacancy energetics in HCP Al-Hf-Sc-Ti-Zr high entropy alloys and the subsystems. Acta Materialia, 2022, 227, 117677.	7.9	22
2	Zr diffusion in BCC refractory high entropy alloys: A case of â€˜non-sluggishâ€™ diffusion behavior. Acta Materialia, 2022, 233, 117970.	7.9	33
3	Ab initio simulations of the surface free energy of TiN(001). Physical Review B, 2021, 103, .	3.2	9
4	Kinetically driven ordering in phase separating alloys. Physical Review Materials, 2019, 3, .	2.4	4
5	Calculating free energies of point defects from ab initio. Computational Materials Science, 2018, 148, 249-259.	3.0	47
6	Temperature dependence of the stacking-fault Gibbs energy for Al, Cu, and Ni. Physical Review B, 2018, 98, .	3.2	61
7	Accurate electronic free energies of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi mathvariant="italic">d</mml:mi><mml:mo>,</mml:mo><mml:mn>4</mml:mn><mml:mi mathvariant="italic">d</mml:mi></mml:mrow></mml:math> , and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi mathvariant="italic">d</mml:mi></mml:mrow></mml:math> transition metals at high temperatures. Ph	3.2	70
8	Ab initioprediction of vacancy properties in concentrated alloys: The case of fcc Cu-Ni. Physical Review B, 2015, 91, .	3.2	29
9	Thermodynamic assessment of Coâ€“Alâ€“W system and solidification of Co-enriched ternary alloys. Journal of Materials Science, 2011, 46, 2611-2621.	3.7	38
10	Thermodynamic assessment of the Uâ€“Moâ€“Al system. Journal of Nuclear Materials, 2010, 402, 15-24.	2.7	39