Maryam Ghazisaeidi

List of Publications by Year
in descending order

17	937	687220 13	887953 17
papers	citations	h-index	g-index

17	17	17	883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetically-driven phase transformation strengthening in high entropy alloys. Nature Communications, 2018, 9, 1363.	5.8	263
2	Stacking fault energy in concentrated alloys. Nature Communications, 2021, 12, 3590.	5.8	120
3	Solid solution strengthening theories of high-entropy alloys. Materials Characterization, 2019, 151, 310-317.	1.9	104
4	Enhancing fatigue life by ductile-transformable multicomponent B2 precipitates in a high-entropy alloy. Nature Communications, 2021, 12, 3588.	5.8	102
5	Segregation of alloying elements to planar faults in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>Î³</mml:mi><mml:mo>'</mml:mo></mml:mrow></mml:math>-Ni3Al. Acta Materialia, 2018, 148, 173-184.	3.8	70
6	Ordering effects on deformation substructures and strain hardening behavior of a CrCoNi based medium entropy alloy. Acta Materialia, 2021, 210, 116829.	3.8	47
7	Interaction of oxygen interstitials with lattice faults in Ti. Acta Materialia, 2014, 76, 82-86.	3.8	45
8	Anisotropic magnetoresistance and nontrivial spin Hall magnetoresistance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Î±</mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> bilayers. Physical Review B, 2019, 100, .	1.1	35
9	An integrated experimental and computational study of diffusion and atomic mobility of the aluminumâ€“magnesium system. Acta Materialia, 2020, 189, 214-231.	3.8	29
10	Multi-Cell Monte Carlo Relaxation method for predicting phase stability of alloys. Scripta Materialia, 2017, 132, 9-12.	2.6	24
11	Quantitative prediction of Suzuki segregation at stacking faults of the Î³â€™ phase in Ni-base superalloys. Acta Materialia, 2020, 200, 223-235.	3.8	24
12	First-principles prediction of oxygen diffusivity near the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>10</mml:mn><mml:mover) Tj twin boundary in titanium. Acta Materialia, 2018, 156, 11-19.	3.8	23
13	Multi-cell Monte Carlo method for phase prediction. Npj Computational Materials, 2019, 5, .	3.5	15
14	A â€œlocalâ€•stacking fault energy model for concentrated alloys. Acta Materialia, 2022, 238, 118165.	3.8	13
15	Efficient determination of solid-state phase equilibrium with the multicell Monte Carlo method. Physical Review E, 2020, 101, 063306.	0.8	10
16	Mechanistic Insight and Local Structure Evolution of NiPS₃ upon Electrochemical Lithiation. ACS Applied Materials & Interfaces, 2022, 14, 3980-3990.	4.0	9
17	Alloy thermodynamics via the Multi-cell Monte Carlo (MC)2 method. Computational Materials Science, 2021, 193, 110322.	1.4	4