Jia Li

List of Publications by Year
in descending order

18	257	1163117 8	940533 16
papers	citations	h-index	g-index

18	18	18	192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular dynamics simulations for nanoindentation response of nanotwinned FeNiCrCoCu high entropy alloy. Nanotechnology, 2020, 31, 465701.	2.6	68
2	Microstructures and Properties of Highâ€Entropy Materials: Modeling, Simulation, and Experiments. Advanced Engineering Materials, 2021, 23, .	3.5	33
3	Chemical fluctuation enabling strength-plasticity synergy in metastable single-phase high entropy alloy film with gigapascal yield strength. International Journal of Plasticity, 2021, 139, 102951.	8.8	31
4	Indentation-induced plastic behaviour of nanotwinned Cu/high entropy alloy FeCoCrNi nanolaminate: an atomic simulation. RSC Advances, 2020, 10, 9187-9192.	3.6	26
5	Unraveling atomic-scale crystallization and microstructural evolution of a selective laser melted FeCrNi medium-entropy alloy. CrystEngComm, 2020, 22, 4136-4146.	2.6	19
6	Interface-governed nanometric machining behaviour of Cu/Ag bilayers using molecular dynamics simulation. RSC Advances, 2019, 9, 1341-1353.	3.6	17
7	Unveiling the atomic-scale origins of high damage tolerance of single-crystal high entropy alloys. Physical Review Materials, 2020, 4, .	2.4	11
8	Revealing the deformation mechanism of amorphous polyethylene subjected to cycle loadingviamolecular dynamics simulations. RSC Advances, 2018, 8, 32377-32386.	3.6	10
9	Bio-mimic Tiâ€“Ta composite with hierarchical â€œBrick-and-Mortarâ€•microstructure. Materialia, 2019, 8, 100463.	2.7	8
10	Enhanced nanotwinning by special grain growth in nanocrystalline materials. Journal of Materials Science, 2020, 55, 3618-3628.	3.7	7
11	Coupling high-throughput experiment and machine learning to optimize elemental composition in nickel-based superalloys. MRS Communications, 2021, 11, 411-417.	1.8	6
12	Effect of cooling rates on solidification, microstructure and mechanical properties in tungsten. CrystEngComm, 2019, 21, 3930-3938.	2.6	4
13	Predicting the optimum compositions of high-performance Cuâ€“Zn alloysviamachine learning. Journal of Materials Research, 2020, 35, 2709-2717.	2.6	4
14	Evolution of residual stress and its impact on Ni-based superalloy. International Journal of Mechanical Sciences, 2021, 202-203, 106494.	6.7	4
15	Modeling and Analysis of Yielding and Strain Hardening in Metastable Highâ€Entropy Alloys. Physica Status Solidi (B): Basic Research, 2021, 258, 2100247.	1.5	4
16	Grain boundary migration and deformation mechanism influenced by heterogeneous precipitate. Journal of Materials Science, 2021, 56, 9458-9469.	3.7	2
17	Uncertainty and statistics of dislocation-precipitate interactions on creep resistance. Cell Reports Physical Science, 2022, 3, 100704.	5.6	2
18	V-shaped bending of Ti-6Al-4V titanium alloy sheet with elliptical hole. Materials Research Express, 2019, 6, 1265j2.	1.6	1