

Jia Li

List of Publications by Year in descending order

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18
papers

257
citations

1163117

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940533

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docs citations

18
times ranked

192
citing authors

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