

Jiayong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

135
citations

1307366

7
h-index

1474057

9
g-index

10
all docs

10
docs citations

10
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	The physical origin of observed repulsive forces between general dislocations and twin boundaries in FCC metals: An atom-continuum coupling study. <i>Journal of Materials Science and Technology</i> , 2022, 109, 221-227.	5.6	3
2	Time-discontinuous state-based peridynamics for elasto-plastic dynamic fracture problems. <i>Engineering Fracture Mechanics</i> , 2022, 266, 108392.	2.0	12
3	Influence of Mo Segregation at Grain Boundaries on the High Temperature Creep Behavior of Ni-Mo Alloys: An Atomistic Study. <i>Materials</i> , 2021, 14, 6966.	1.3	0
4	Time-discontinuous material point method for transient problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 328, 663-685.	3.4	16
5	Crystallization behaviors and mechanical properties of carbon nanotube encapsulated copper nanowires. <i>Computational Materials Science</i> , 2018, 143, 350-359.	1.4	6
6	Hetero interface and twin boundary mediated strengthening in nano-twinned Cu//Ag multilayered materials. <i>Nanotechnology</i> , 2017, 28, 415705.	1.3	10
7	Free-end adaptive nudged elastic band method for locating transition states in minimum energy path calculation. <i>Journal of Chemical Physics</i> , 2016, 145, 094104.	1.2	20
8	Twin Boundaries merely as Intrinsically Kinematic Barriers for Screw Dislocation Motion in FCC Metals. <i>Scientific Reports</i> , 2016, 6, 22893.	1.6	15
9	Transient swelling of polymeric hydrogels: A new finite element solution framework. <i>International Journal of Solids and Structures</i> , 2016, 80, 246-260.	1.3	25
10	Constitutive modeling for polymer hydrogels: A new perspective and applications to anisotropic hydrogels in free swelling. <i>European Journal of Mechanics, A/Solids</i> , 2015, 54, 171-186.	2.1	28