

Shi Hu

List of Publications by Year in descending order

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12
papers

89
citations

1684188

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1372567

10
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12
docs citations

12
times ranked

27
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-field-crystal study on the crack propagation behavior in a nanoscale two-dimensional lattice in the presence of nonlinear disturbance strains. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2706-2717.	3.4	1
2	Phase-field-crystal study on deformation behavior of nanoscale monocrack system in the ductile-to-brittle transition region. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 63-76.	3.4	2
3	Phase-field-crystal study on shear-induced coupled evolution of intragranular crack and grain boundary in nanoscale bicrystal system. <i>European Physical Journal B</i> , 2020, 93, 1.	1.5	1
4	The annihilation kinetics of the nanoscale antiphase domain boundary in B2 alloys: phase field characterization at the atomistic level. <i>Journal of Materials Science</i> , 2019, 54, 14440-14455.	3.7	4
5	Simulation of shear-induced nanograin deformation: the influence of temperature and grain boundary misorientation. <i>Materials Research Express</i> , 2019, 6, 076511.	1.6	2
6	The influences of crystal orientation and crack interaction on the initiation of growth and propagation mode of microcrack: A phase-field-crystal study. <i>Physica B: Condensed Matter</i> , 2019, 552, 104-109.	2.7	12
7	High temperature grain shrinkage under different pre-strains: a phase-field-crystal study. <i>Materials Research Express</i> , 2018, 5, 016524.	1.6	2
8	Phase-field-crystal study on the evolution behavior of microcracks initiated on grain boundaries under constant strain. <i>Journal of Materials Science</i> , 2017, 52, 5641-5651.	3.7	14
9	Coupled motion of grain boundaries and the influence of microcracks: A phase-field-crystal study. <i>Computational Materials Science</i> , 2017, 132, 125-131.	3.0	9
10	Phase field crystal simulation of stress induced localized solid-state amorphization in nanocrystalline materials. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 475902.	1.8	2
11	Phase-field-crystal study on the reaction mechanisms of opposite sign edge dislocations appearing in the deformation processes of asymmetric tilt sub-grain boundary system. <i>Computational Materials Science</i> , 2016, 124, 195-203.	3.0	16
12	Modeling and simulation of microcrack propagation behavior under shear stress using phase-field-crystal. <i>Computational Materials Science</i> , 2016, 121, 143-150.	3.0	24