

Wenbin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

186
citations

1307594

7
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical models of void nucleation and growth for ductile metals under dynamic loading: A review. <i>Matter and Radiation at Extremes</i> , 2022, 7, .	3.9	15
2	Dislocation pile-up polarization model for mechanical properties of polycrystalline metals based on grain boundary resistance variability. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 160, 104793.	4.8	5
3	Continuum modeling of dislocation channels in irradiated metals based on stochastic crystal plasticity. <i>International Journal of Plasticity</i> , 2022, 151, 103211.	8.8	13
4	A dislocation-based model for cyclic plastic response of lath martensitic steels. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2022, 38, .	3.4	4
5	Probabilistic and constitutive models for ductile-to-brittle transition in steels: A competition between cleavage and ductile fracture. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 135, 103809.	4.8	22
6	Dislocation-grain boundary interaction in metallic materials: Competition between dislocation transmission and dislocation source activation. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 145, 104158.	4.8	35
7	Three dimensional dislocation-loop emission criterion for void growth of ductile metals. <i>International Journal of Plasticity</i> , 2020, 131, 102746.	8.8	17
8	Unified Model for Size-Dependent to Size-Independent Transition in Yield Strength of Crystalline Metallic Materials. <i>Physical Review Letters</i> , 2020, 124, 235501.	7.8	32
9	Hardening and Creep of Ion Irradiated CLAM Steel by Nanoindentation. <i>Crystals</i> , 2020, 10, 44.	2.2	6
10	Model of nanoindentation size effect incorporating the role of elastic deformation. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 126, 245-255.	4.8	36
11	Failure of fracture toughness criterion at small scales. <i>Physical Review Materials</i> , 2019, 3, .	2.4	1