

Anupam Neogi

List of Publications by Year in descending order

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docs citations

17
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185
citing authors

#	ARTICLE	IF	CITATIONS
1	A metastable phase of shocked bulk single crystal copper: an atomistic simulation study. Scientific Reports, 2017, 7, 7337.	1.6	46
2	Evolution of dislocation mechanisms in single-crystal Cu under shock loading in different directions. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 025013.	0.8	35
3	On shock response of nano-void closed/open cell copper material: Non-equilibrium molecular dynamic simulations. Journal of Applied Physics, 2014, 115, .	1.1	33
4	Shock induced deformation response of single crystal copper: Effect of crystallographic orientation. Computational Materials Science, 2017, 135, 141-151.	1.4	31
5	Twin-boundary assisted crack tip plasticity and toughening in lamellar TiAl . Acta Materialia, 2021, 213, 116924.	3.8	29
6	Atomistic simulations of shock compression of single crystal and core-shell Cu@Ni nanoporous metals. Journal of Applied Physics, 2019, 126, 015901.	1.1	27
7	Shock induced phase transition of water: Molecular dynamics investigation. Physics of Fluids, 2016, 28, .	1.6	26
8	Cavitation in epoxies under composite-like stress states. Composites Part A: Applied Science and Manufacturing, 2018, 106, 52-58.	3.8	22
9	Unravelling the lamellar size-dependent fracture behavior of fully lamellar intermetallic TiAl . Acta Materialia, 2022, 227, 117698.	3.8	16
10	Investigation of the elastically shock-compressed region and elastic-plastic shock transition in single-crystalline copper to understand the dislocation nucleation mechanism under shock compression. Shock Waves, 2019, 29, 913-927.	1.0	14
11	Anisotropic failure behavior of ordered intermetallic TiAl alloys under pure mode-I loading. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 065016.	0.8	14
12	Atomistic simulations of the strengthening effect of high-density bubble formation in helium irradiated single crystalline copper. Materialia, 2018, 1, 139-149.	1.3	12
13	Shock compression of polyvinyl chloride. Journal of Applied Physics, 2016, 119, .	1.1	10
14	Shock-Induced phase transition of single crystal copper. AIP Conference Proceedings, 2017, , .	0.3	4
15	Elastic and plastic deformation behavior of helium nano-bubbled single crystal copper: An atomistic simulation study. Journal of Nuclear Materials, 2021, 552, 152988.	1.3	4
16	Influence of Temperature on Void Collapse in Single Crystal Nickel under Hydrostatic Compression. Materials, 2021, 14, 2369.	1.3	3
17	Multifractal characterization of femtosecond laser-induced herringbone patterns. JPhys Photonics, 2021, 3, 015001.	2.2	0