

Jianqiao Hu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

189
citations

1162889

8
h-index

1058333

14
g-index

14
all docs

14
docs citations

14
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	Breakdown of Archard law due to transition of wear mechanism from plasticity to fracture. Tribology International, 2022, 173, 107660.	3.0	14
2	Multiscale study of the dynamic friction coefficient due to asperity plowing. Friction, 2021, 9, 822-839.	3.4	19
3	Atomistic study of shock Hugoniot in columnar nanocrystalline copper. Computational Materials Science, 2021, 197, 110635.	1.4	4
4	Effect of plasticity and adhesion on the stick-slip transition at nanoscale friction. Tribology International, 2021, 164, 107230.	3.0	9
5	An elasto-plastic contact model for conformal contacts between cylinders. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1837-1845.	1.0	9
6	The effects of initial void and dislocation on the onset of plasticity in copper single crystals. Journal of Applied Physics, 2019, 126, 165104.	1.1	7
7	Predicting the flow stress and dominant yielding mechanisms: analytical models based on discrete dislocation plasticity. Scientific Reports, 2019, 9, 20422.	1.6	15
8	Investigation of grain boundary and orientation effects in polycrystalline metals by a dislocation-based crystal plasticity model. Computational Materials Science, 2019, 159, 86-94.	1.4	15
9	Adhesion-Free Thin-Film-Like Curvature Sensors Integrated on Flexible and Wearable Electronics for Monitoring Bending of Joints and Various Body Gestures. Advanced Materials Technologies, 2019, 4, 1800327.	3.0	41
10	Pressure sensitivity of dislocation density in copper single crystals at submicron scale. Materials Research Express, 2018, 5, 016504.	0.8	2
11	An overview of healthcare monitoring by flexible electronics. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	2.0	11
12	Systematic study on the mechanical and electric behaviors of the nonbuckling interconnect design of stretchable electronics. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	2.0	7
13	Investigations of shock-induced deformation and dislocation mechanism by a multiscale discrete dislocation plasticity model. Computational Materials Science, 2017, 131, 78-85.	1.4	17
14	Strain-Limiting Substrates Based on Nonbuckling, Prestrain-Free Mechanics for Robust Stretchable Electronics. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	1.1	19