

Kodanda Ram Mangipudi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/175823/publications.pdf>

Version: 2024-02-01

10
papers

286
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Topology-dependent scaling laws for the stiffness and strength of nanoporous gold. <i>Acta Materialia</i> , 2016, 119, 115-122.	7.9	92
2	Multiscale modelling of damage and failure in two-dimensional metallic foams. <i>Journal of the Mechanics and Physics of Solids</i> , 2011, 59, 1437-1461.	4.8	51
3	Multiscale modeling of charge-induced deformation of nanoporous gold structures. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 66, 1-15.	4.8	48
4	The microstructural origin of strain hardening in two-dimensional open-cell metal foams. <i>International Journal of Solids and Structures</i> , 2010, 47, 2081-2096.	2.7	32
5	Morphological similarity and structure-dependent scaling laws of nanoporous gold from different synthesis methods. <i>Acta Materialia</i> , 2017, 140, 337-343.	7.9	28
6	Notch sensitivity of ductile metallic foams: A computational study. <i>Acta Materialia</i> , 2011, 59, 7356-7367.	7.9	20
7	Tensile failure of two-dimensional quasi-brittle foams. <i>International Journal of Solids and Structures</i> , 2012, 49, 2823-2829.	2.7	13
8	The Effect of Cellular Architecture on the Ductility and Strength of Metal Foams. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1188, 41.	0.1	1
9	The role of network topology on the uniaxial tensile behaviour of low density random open cellular structures. <i>Materialia</i> , 2022, 22, 101396.	2.7	1
10	Multi-scale Modelling of Fracture in Open-Cell Metal Foams. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2010, , 29-36.	2.2	0