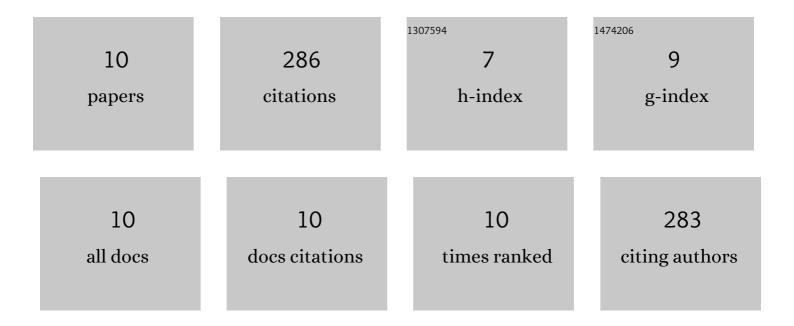
## Kodanda Ram Mangipudi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/175823/publications.pdf Version: 2024-02-01



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