

Maysam Gorji Bandpay

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

391
citations

1040056

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1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	On the potential of recurrent neural networks for modeling path dependent plasticity. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 143, 103972.	4.8	126
2	The third Sandia fracture challenge: predictions of ductile fracture in additively manufactured metal. <i>International Journal of Fracture</i> , 2019, 218, 5-61.	2.2	62
3	Micro-tension and micro-shear experiments to characterize stress-state dependent ductile fracture. <i>Acta Materialia</i> , 2017, 131, 65-76.	7.9	48
4	Predicting shear fracture of aluminum 6016-T4 during deep drawing: Combining Yld-2000 plasticity with Hosford's Coulomb fracture model. <i>International Journal of Mechanical Sciences</i> , 2018, 137, 105-120.	6.7	44
5	Heterogeneous random medium plasticity and fracture model of additively-manufactured Ti-6Al-4V. <i>Acta Materialia</i> , 2018, 148, 442-455.	7.9	35
6	Effect of working environment and procedural strategies on mechanical performance of bioresorbable vascular scaffolds. <i>Acta Biomaterialia</i> , 2018, 82, 34-43.	8.3	26
7	Numerical investigation of the post-necking behavior of aluminum sheets in the presence of geometrical and material inhomogeneities. <i>International Journal of Solids and Structures</i> , 2016, 102-103, 56-65.	2.7	19
8	The third Sandia Fracture Challenge: deterministic and probabilistic modeling of ductile fracture of additively-manufactured material. <i>International Journal of Fracture</i> , 2019, 218, 209-229.	2.2	15
9	From macro- to micro-experiments: Specimen-size independent identification of plasticity and fracture properties. <i>International Journal of Mechanical Sciences</i> , 2021, 199, 106389.	6.7	10
10	Analysis of shear ductile damage in forming processes using a micromechanical model with void shape effects. <i>International Journal of Solids and Structures</i> , 2022, 248, 111640.	2.7	4