

Jilin Yu

List of Publications by Year in descending order

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9
papers

398
citations

1307594

7
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic stress-strain states for metal foams using a 3D cellular model. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 72, 93-114.	4.8	165
2	Crashworthiness design of density-graded cellular metals. <i>Theoretical and Applied Mechanics Letters</i> , 2013, 3, 031001.	2.8	46
3	Crashworthiness of graded cellular materials: A design strategy based on a nonlinear plastic shock model. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 680, 411-420.	5.6	44
4	Crushing and densification of rapid prototyping polylactide foam: Meso-structural effect and a statistical constitutive model. <i>Mechanics of Materials</i> , 2018, 127, 65-76.	3.2	42
5	Dynamic material parameters of closed-cell foams under high-velocity impact. <i>International Journal of Impact Engineering</i> , 2017, 99, 111-121.	5.0	41
6	Crashworthiness design of graded cellular materials: An asymptotic solution considering loading rate sensitivity. <i>International Journal of Impact Engineering</i> , 2020, 143, 103611.	5.0	28
7	Modification and verification of the Deshpande-Fleck foam model: A variable ellipticity. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 331-342.	6.7	27
8	Wide-range control of impulse transmission by cylindrical shell chains with varying aspect ratios. <i>International Journal of Impact Engineering</i> , 2021, 158, 104017.	5.0	3
9	Impact damping performance and mechanisms of 3D-printed density gradient cylindrical shell chains. <i>International Journal of Impact Engineering</i> , 2022, 169, 104319.	5.0	2