Chao Gao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7620734/publications.pdf

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17	303	1040056	1058476
papers	citations	9	14
		h-index	g-index

18	18	18	396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quasiâ€static compression and compressionâ€“compression fatigue behavior of regular and irregular cellular biomaterials. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1178-1194.	3.4	13
2	Short review of nonplanar fused deposition modeling printing. Material Design and Processing Communications, 2021, 3, e221.	0.9	10
3	Interlocking mechanism design based on deep-learning methods. Applications in Engineering Science, 2021, 7, 100056.	0.8	1
4	Controlling toughness and strength of FDM 3D-printed PLA components through the raster layup. Composites Part B: Engineering, 2020, 180, 107562.	12.0	113
5	Fabrication of Photonic Microbricks via Crack Engineering of Colloidal Crystals. Advanced Functional Materials, 2020, 30, 1908242.	14.9	23
6	Photonic Microbricks: Fabrication of Photonic Microbricks via Crack Engineering of Colloidal Crystals (Adv. Funct. Mater. 26/2020). Advanced Functional Materials, 2020, 30, 2070172.	14.9	1
7	Short review on architectured materials with topological interlocking mechanisms. Material Design and Processing Communications, 2019, 1, e31.	0.9	4
8	Prediction of the anisotropic damage evolution of dry common millet (Panicum miliaceum) seed under quasi-static blunt indentation. Engineering Fracture Mechanics, 2019, 214, 112-122.	4.3	2
9	Mechanical model of bio-inspired composites with sutural tessellation. Journal of the Mechanics and Physics of Solids, 2019, 122, 190-204.	4.8	21
10	A crack-free anti-corrosive coating strategy for magnesium implants under deformation. Corrosion Science, 2018, 132, 116-124.	6.6	22
11	Seedcoat Suture Tessellation: Amplifying Strength, Toughness, and Auxeticity via Wavy Sutural Tessellation in Plant Seedcoats (Adv. Mater. 36/2018). Advanced Materials, 2018, 30, 1870274.	21.0	1
12	Amplifying Strength, Toughness, and Auxeticity via Wavy Sutural Tessellation in Plant Seedcoats. Advanced Materials, 2018, 30, e1800579.	21.0	23
13	Instability-Induced Pattern Transformation in Soft Metamaterial with Hexagonal Networks for Tunable Wave Propagation. Scientific Reports, 2018, 8, 11834.	3.3	25
14	Mechanical response of common millet (Panicum miliaceum) seeds under quasi-static compression: Experiments and modeling. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 73, 102-113.	3.1	25
15	Tuning the wrinkling patterns of an interfacial/coating layer via a regulation interphase. International Journal of Solids and Structures, 2017, 104-105, 92-102.	2.7	18
16	Damage Initiation and Evolution of Panicum Miliaceum Seeds Under Compression. , 2017, , .		1
17	Mechanical Behavior of Bio-Inspired Composites with Sutural Tessellation. , 0, , .		0