

Nan Yang

List of Publications by Year in descending order

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13
papers

4,319
citations

1307594

7
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

2828
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Metamaterials with Discontinuous and Tension/Compression-Dependent Positive/Negative Poisson's Ratio. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	6
2	Constructing lattices with graded features in spatial distribution for tissue engineering. <i>Materials Letters</i> , 2022, 311, 131609.	2.6	3
3	Structural material with designed thermal twist for a simple actuation. <i>Nanotechnology Reviews</i> , 2022, 11, 414-422.	5.8	3
4	Deployable-Structure-Based Artificial Muscles Generating Coded Forces. <i>Advanced Materials Technologies</i> , 2021, 6, 2100493.	5.8	0
5	Deployable-Structure-Based Artificial Muscles Generating Coded Forces (Adv. Mater. Technol. 9/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170055.	5.8	0
6	3D kirigami metamaterials with coded thermal expansion properties. <i>Extreme Mechanics Letters</i> , 2020, 40, 100912.	4.1	26
7	Collaborative Optimization of Density and Surface Roughness of 316L Stainless Steel in Selective Laser Melting. <i>Materials</i> , 2020, 13, 1601.	2.9	38
8	Modular metamaterials composed of foldable obelisk-like units with reprogrammable mechanical behaviors based on multistability. <i>Scientific Reports</i> , 2019, 9, 18812.	3.3	8
9	Novel structural design method inspired by DNA and origami. <i>Results in Engineering</i> , 2019, 4, 100069.	5.1	4
10	Decoupling local mechanics from large-scale structure in modular metamaterials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3590-3595.	7.1	43
11	Multi-morphology transition hybridization CAD design of minimal surface porous structures for use in tissue engineering. <i>CAD Computer Aided Design</i> , 2014, 56, 11-21.	2.7	133
12	Effective method for multi-scale gradient porous scaffold design and fabrication. <i>Materials Science and Engineering C</i> , 2014, 43, 502-505.	7.3	46
13	Locally Resonant Sonic Materials. <i>Science</i> , 2000, 289, 1734-1736.	12.6	4,009