Nan Yang

List of Publications by Year
in descending order

13	4,319	1307594 7	1281871 11
papers	citations	h-index	g-index

13	13	13	2828
all docs	docs citations	times ranked	citing authors

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