Dong Li

List of Publications by Year in descending order

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29	923	471509	477307
papers	citations	17 h-index	29 g-index

29	29	29	513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study on bandgap and directional wave propagation of a two-dimensional lattice with a nested core. Journal Physics D: Applied Physics, 2022, 55, 205302.	2.8	8
2	Numerical and experimental study on bandgap property of two-dimensional lattice with nested core. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	6
3	Study on mechanical properties of an isotropic negative Poissonâ€™s ratio Voronoi foam and its foam-filled tube. Smart Materials and Structures, 2022, 31, 065017.	3.5	15
4	Wave propagation characterization of 2D composite chiral lattice structures with circular plate inclusions. Engineering Structures, 2022, 264, 114466.	5.3	14
5	Bandgap enhancement of two-dimensional lattice metamaterial via re-entrant hierarchy. Smart Materials and Structures, 2022, 31, 095012.	3.5	5
6	Novel Tubular Structures with Negative Poisson's Ratio and High Stiffness. Physica Status Solidi (B): Basic Research, 2021, 258, 2000503.	1.5	7
7	Study on blast resistance of a composite sandwich panel with isotropic foam core with negative Poisson's ratio. International Journal of Mechanical Sciences, 2021, 191, 106105.	6.7	82
8	Mechanical Properties Analysis on a Novel Negative Poisson's Ratio Voronoi Foamâ€Filled Corrugated Tube Under Impact Loading. Physica Status Solidi (B): Basic Research, 2021, 258, 2100128.	1.5	3
9	A novel 3D re-entrant unit cell structure with negative Poissonâ€™s ratio and tunable stiffness. Smart Materials and Structures, 2020, 29, 045015.	3.5	54
10	Study on mechanical properties of a hierarchical octet-truss structure. Composite Structures, 2020, 249, 112640.	5.8	54
11	Influence of austenite ferromagnetism on the elastocaloric effect in a Ni44.9Co4.9Mn36.9In13.3 metamagnetic shape memory alloy. Applied Physics Letters, 2019, 115, .	3.3	28
12	Tuning the Reversible Magnetocaloric Effect in Niâ€“Mnâ€“Inâ€Based Alloys through Co and Cu Coâ€Doping. Advanced Electronic Materials, 2019, 5, 1800845.	5.1	60
13	Numerical Analysis of the Mechanical Properties of 3D Random Voronoi Structures With Negative Poisson's Ratio. Physica Status Solidi (B): Basic Research, 2019, 256, 1800539.	1.5	19
14	Study on Bandâ€Gap Behaviors of 2D Hierarchical Reâ€Entrant Lattice Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1800693.	1.5	9
15	Mechanical behaviors of hierarchical cellular structures with negative Poissonâ€™s ratio. Journal of Materials Science, 2018, 53, 10209-10216.	3.7	48
16	Numerical Analysis of a Twoâ€Dimensional Open Cell Topology with Tunable Poisson's Ratio from Positive to Negative. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700374.	2.4	23
17	Strong re-entrant cellular structures with negative Poissonâ€™s ratio. Journal of Materials Science, 2018, 53, 3493-3499.	3.7	149
18	Mechanical properties of 2D hierarchical re-entrant cellular structures with Voronoi sub-structures. Europhysics Letters, 2018, 123, 16002.	2.0	8

#	Article	IF	Citations
19	Study on 3D Internal Magnetic Field Distribution and Dynamic Mechanics of a Giant Magnetostrictive Actuator. Journal of Superconductivity and Novel Magnetism, 2018, 31, 4013-4020.	1.8	3
20	Numerical analysis on mechanical behaviors of hierarchical cellular structures with negative Poissonâ€™s ratio. Smart Materials and Structures, 2017, 26, 025014.	3.5	53
21	Threeâ€Dimensional Stiff Cellular Structures With Negative Poisson's Ratio. Physica Status Solidi (B): Basic Research, 2017, 254, 1600785.	1.5	30
22	Stiff square structure with a negative Poisson's ratio. Materials Letters, 2017, 188, 149-151.	2.6	34
23	Negative Poissonâ€™s ratio in 2D Voronoi cellular solids by biaxial compression: a numerical study. Journal of Materials Science, 2016, 51, 7029-7037.	3.7	37
24	A bi-material structure with Poisson's ratio tunable from positive to negative via temperature control. Materials Letters, 2016, 181, 285-288.	2.6	45
25	A unit cell structure with tunable Poisson's ratio from positive to negative. Materials Letters, 2016, 164, 456-459.	2.6	48
26	The resonant ultrasound spectroscopy method for determining the Poisson×³s ratio of spheres over the full range. Materials Letters, 2015, 143, 31-34.	2.6	5
27	The properties of copper foams with negative Poisson's ratio via resonant ultrasound spectroscopy. Physica Status Solidi (B): Basic Research, 2013, 250, 1983-1987.	1.5	37
28	The properties of copper foams with negative Poisson's ratio via resonant ultrasound spectroscopy. Physica Status Solidi (B): Basic Research, 2013, 250, .	1.5	8
29	Temperature insensitive negative Poisson's ratios in isotropic alloys near a morphotropic phase boundary. Applied Physics Letters, 2012, 101, .	3.3	31