

# Dong Li

## List of Publications by Year in descending order

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29  
papers

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471509

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docs citations

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times ranked

513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong re-entrant cellular structures with negative Poisson's ratio. <i>Journal of Materials Science</i> , 2018, 53, 3493-3499.	3.7	149
2	Study on blast resistance of a composite sandwich panel with isotropic foam core with negative Poisson's ratio. <i>International Journal of Mechanical Sciences</i> , 2021, 191, 106105.	6.7	82
3	Tuning the Reversible Magnetocaloric Effect in Ni-Mn-In-Based Alloys through Co and Cu Co-Doping. <i>Advanced Electronic Materials</i> , 2019, 5, 1800845.	5.1	60
4	A novel 3D re-entrant unit cell structure with negative Poisson's ratio and tunable stiffness. <i>Smart Materials and Structures</i> , 2020, 29, 045015.	3.5	54
5	Study on mechanical properties of a hierarchical octet-truss structure. <i>Composite Structures</i> , 2020, 249, 112640.	5.8	54
6	Numerical analysis on mechanical behaviors of hierarchical cellular structures with negative Poisson's ratio. <i>Smart Materials and Structures</i> , 2017, 26, 025014.	3.5	53
7	A unit cell structure with tunable Poisson's ratio from positive to negative. <i>Materials Letters</i> , 2016, 164, 456-459.	2.6	48
8	Mechanical behaviors of hierarchical cellular structures with negative Poisson's ratio. <i>Journal of Materials Science</i> , 2018, 53, 10209-10216.	3.7	48
9	A bi-material structure with Poisson's ratio tunable from positive to negative via temperature control. <i>Materials Letters</i> , 2016, 181, 285-288.	2.6	45
10	The properties of copper foams with negative Poisson's ratio via resonant ultrasound spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1983-1987.	1.5	37
11	Negative Poisson's ratio in 2D Voronoi cellular solids by biaxial compression: a numerical study. <i>Journal of Materials Science</i> , 2016, 51, 7029-7037.	3.7	37
12	Stiff square structure with a negative Poisson's ratio. <i>Materials Letters</i> , 2017, 188, 149-151.	2.6	34
13	Temperature insensitive negative Poisson's ratios in isotropic alloys near a morphotropic phase boundary. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	31
14	Three-Dimensional Stiff Cellular Structures With Negative Poisson's Ratio. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600785.	1.5	30
15	Influence of austenite ferromagnetism on the elastocaloric effect in a Ni <sub>44.9</sub> Co <sub>4.9</sub> Mn <sub>36.9</sub> In <sub>13.3</sub> metamagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	28
16	Numerical Analysis of a Two-Dimensional Open Cell Topology with Tunable Poisson's Ratio from Positive to Negative. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1700374.	2.4	23
17	Numerical Analysis of the Mechanical Properties of 3D Random Voronoi Structures With Negative Poisson's Ratio. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800539.	1.5	19
18	Study on mechanical properties of an isotropic negative Poisson's ratio Voronoi foam and its foam-filled tube. <i>Smart Materials and Structures</i> , 2022, 31, 065017.	3.5	15

#	ARTICLE	IF	CITATIONS
19	Wave propagation characterization of 2D composite chiral lattice structures with circular plate inclusions. <i>Engineering Structures</i> , 2022, 264, 114466.	5.3	14
20	Study on Bandâ€‘Gap Behaviors of 2D Hierarchical Reâ€‘entrant Lattice Structures. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800693.	1.5	9
21	The properties of copper foams with negative Poisson's ratio via resonant ultrasound spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, .	1.5	8
22	Mechanical properties of 2D hierarchical re-entrant cellular structures with Voronoi sub-structures. <i>Europhysics Letters</i> , 2018, 123, 16002.	2.0	8
23	Study on bandgap and directional wave propagation of a two-dimensional lattice with a nested core. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 205302.	2.8	8
24	Novel Tubular Structures with Negative Poisson's Ratio and High Stiffness. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000503.	1.5	7
25	Numerical and experimental study on bandgap property of two-dimensional lattice with nested core. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	6
26	The resonant ultrasound spectroscopy method for determining the Poisson's ratio of spheres over the full range. <i>Materials Letters</i> , 2015, 143, 31-34.	2.6	5
27	Bandgap enhancement of two-dimensional lattice metamaterial via re-entrant hierarchy. <i>Smart Materials and Structures</i> , 2022, 31, 095012.	3.5	5
28	Study on 3D Internal Magnetic Field Distribution and Dynamic Mechanics of a Giant Magnetostrictive Actuator. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 4013-4020.	1.8	3
29	Mechanical Properties Analysis on a Novel Negative Poisson's Ratio Voronoi Foamâ€‘Filled Corrugated Tube Under Impact Loading. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100128.	1.5	3