

Liming Chen

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

981
citations

430874

18
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	Manufacturing and testing of a CFRC sandwich cylinder with Kagome cores. <i>Composites Science and Technology</i> , 2009, 69, 2695-2700.	7.8	132
2	Dynamic crushing behavior and energy absorption of graded lattice cylindrical structure under axial impact load. <i>Thin-Walled Structures</i> , 2018, 127, 333-343.	5.3	106
3	Mechanical properties and energy absorption of 3D printed square hierarchical honeycombs under in-plane axial compression. <i>Composites Part B: Engineering</i> , 2019, 176, 107219.	12.0	88
4	Improved manufacturing method and mechanical performances of carbon fiber reinforced lattice-core sandwich cylinder. <i>Thin-Walled Structures</i> , 2013, 68, 75-84.	5.3	72
5	Novel multifunctional negative stiffness mechanical metamaterial structure: Tailored functions of multi-stable and compressive mono-stable. <i>Composites Part B: Engineering</i> , 2021, 204, 108501.	12.0	58
6	Free vibration of CFRC lattice-core sandwich cylinder with attached mass. <i>Composites Science and Technology</i> , 2015, 118, 226-235.	7.8	45
7	Fabrication and bending behavior of thermoplastic composite curved corrugated sandwich beam with interface enhancement. <i>International Journal of Mechanical Sciences</i> , 2018, 149, 101-111.	6.7	43
8	A novel hierarchical thermoplastic composite honeycomb cylindrical structure: Fabrication and axial compressive properties. <i>Composites Science and Technology</i> , 2018, 164, 136-145.	7.8	41
9	Compressive response of multi-layered thermoplastic composite corrugated sandwich panels: Modelling and experiments. <i>Composites Part B: Engineering</i> , 2020, 189, 107899.	12.0	36
10	A viscoelastic model of compression and relaxation behaviors in preforming process for carbon fiber fabrics with binder. <i>Composites Part B: Engineering</i> , 2019, 158, 1-9.	12.0	32
11	Axial compression deformability and energy absorption of hierarchical thermoplastic composite honeycomb graded structures. <i>Composite Structures</i> , 2020, 254, 112851.	5.8	29
12	Out-of-plane dynamic crushing behavior of joint-based hierarchical honeycombs. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 2832-2855.	3.5	29
13	Modeling the effects of interfacial properties on the temperature dependent tensile strength of fiber reinforced polymer composites. <i>Composites Science and Technology</i> , 2019, 172, 74-80.	7.8	24
14	Theoretical models and influencing factor analysis for the temperature-dependent tensile strength of ceramic fibers and their unidirectional composites. <i>Composite Structures</i> , 2017, 164, 23-31.	5.8	21
15	Bidirectional self-locked energy absorbing system: Design and quasi-static compression properties. <i>Thin-Walled Structures</i> , 2019, 144, 106366.	5.3	21
16	Temperature-dependent tensile strength model for 2D woven fiber reinforced ceramic matrix composites. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5157-5165.	3.8	19
17	Flatwise compression property of hierarchical thermoplastic composite square lattice. <i>Composite Structures</i> , 2019, 210, 118-133.	5.8	19
18	Fabrication and axial compression test of thermoplastic composite cylindrical sandwich structures with hierarchical honeycomb core. <i>Composite Structures</i> , 2021, 275, 114453.	5.8	19

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19	Theoretical model for the temperature dependent longitudinal tensile strength of unidirectional fiber reinforced polymer composites. <i>Composites Part B: Engineering</i> , 2019, 161, 121-127.	12.0	18
20	Temperature-dependent longitudinal tensile strength model for short-fiber-reinforced polymer composites considering fiber orientation and fiber length distribution. <i>Journal of Materials Science</i> , 2018, 53, 12190-12202.	3.7	16
21	Theoretical modeling of the temperature dependent tensile strength for particulate-polymer composites. <i>Composites Science and Technology</i> , 2019, 184, 107881.	7.8	15
22	Numerical Study on the Projectile Impact Resistance of Multi-Layer Sandwich Panels with Cellular Cores. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 2876-2895.	1.0	13
23	Temperature dependent longitudinal tensile strength model of unidirectional fiber reinforced polymer composites considering the effect of matrix plasticity. <i>Extreme Mechanics Letters</i> , 2020, 40, 100963.	4.1	13
24	Enhance the energy dissipation ability of sleeve-type negative stiffness structures via a phase-difference mechanism. <i>International Journal of Mechanical Sciences</i> , 2022, 213, 106803.	6.7	13
25	Effect of metal type on the energy absorption of fiber metal laminates under low-velocity impact. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 4582-4598.	2.6	11
26	Lateral crushing behavior of novel carbon fiber/epoxy composite bidirectional self-locked thin-walled tubular structure and system. <i>Thin-Walled Structures</i> , 2020, 157, 107063.	5.3	10
27	Mechanical Property of Long Glass Fiber Reinforced Polypropylene Composite: From Material to Car Seat Frame and Bumper Beam. <i>Polymers</i> , 2022, 14, 1814.	4.5	10
28	Repeated energy absorption and multiple compressive responses of thermoplastic composite hierarchical cylindrical structures. <i>Composites Science and Technology</i> , 2022, 221, 109306.	7.8	8
29	Temperature-dependent fracture strength of whisker-reinforced ceramic composites: Modeling and factor analysis. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2841-2852.	3.8	5
30	Honeycomb Enhanced Self-Locked Structure for Energy Absorption. <i>International Journal of Applied Mechanics</i> , 2022, 14, .	2.2	5
31	Effects of temperature and redshift on the refractive index of semiconductors. <i>Journal of Applied Physics</i> , 2018, 124, 035703.	2.5	4
32	Experimental and numerical study on the low-velocity impact response of thermoplastic composite corrugated sandwich panels. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 1828-1846.	3.5	3
33	Temperature-Dependent Bulk Modulus Model for Solid Single Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1800286.	1.5	2
34	Milling Parameter Optimization of Continuous-Glass-Fiber-Reinforced-Polypropylene Laminate. <i>Materials</i> , 2022, 15, 2703.	2.9	1
35	Compressive properties of chemical vapor deposited zinc sulfide at high temperatures. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 527-530.	1.1	0