Liming Chen

List of Publications by Year
in descending order

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35	981	430874 18	434195 31
papers	citations	h-index	g-index

35	35	35	504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of metal type on the energy absorption of fiber metal laminates under low-velocity impact. Mechanics of Advanced Materials and Structures, 2022, 29, 4582-4598.	2.6	11
2	Enhance the energy dissipation ability of sleeve-type negative stiffness structures via a phase-difference mechanism. International Journal of Mechanical Sciences, 2022, 213, 106803.	6.7	13
3	Repeated energy absorption and multiple compressive responses of thermoplastic composite hierarchical cylindrical structures. Composites Science and Technology, 2022, 221, 109306.	7.8	8
4	Milling Parameter Optimization of Continuous-Glass-Fiber-Reinforced-Polypropylene Laminate. Materials, 2022, 15, 2703.	2.9	1
5	Mechanical Property of Long Glass Fiber Reinforced Polypropylene Composite: From Material to Car Seat Frame and Bumper Beam. Polymers, 2022, 14, 1814.	4.5	10
6	Honeycomb Enhanced Self-Locked Structure for Energy Absorption. International Journal of Applied Mechanics, 2022, 14, .	2.2	5
7	Experimental and numerical study on the low-velocity impact response of thermoplastic composite corrugated sandwich panels. Journal of Sandwich Structures and Materials, 2022, 24, 1828-1846.	3.5	3
8	Out-of-plane dynamic crushing behavior of joint-based hierarchical honeycombs. Journal of Sandwich Structures and Materials, 2021, 23, 2832-2855.	3.5	29
9	Novel multifunctional negative stiffness mechanical metamaterial structure: Tailored functions of multi-stable and compressive mono-stable. Composites Part B: Engineering, 2021, 204, 108501.	12.0	58
10	Fabrication and axial compression test of thermoplastic composite cylindrical sandwich structures with hierarchical honeycomb core. Composite Structures, 2021, 275, 114453.	5.8	19
11	Lateral crushing behavior of novel carbon fiber/epoxy composite bidirectional self-locked thin-walled tubular structure and system. Thin-Walled Structures, 2020, 157, 107063.	5.3	10
12	Temperature dependent longitudinal tensile strength model of unidirectional fiber reinforced polymer composites considering the effect of matrix plasticity. Extreme Mechanics Letters, 2020, 40, 100963.	4.1	13
13	Axial compression deformability and energy absorption of hierarchical thermoplastic composite honeycomb graded structures. Composite Structures, 2020, 254, 112851.	5.8	29
14	Compressive response of multi-layered thermoplastic composite corrugated sandwich panels: Modelling and experiments. Composites Part B: Engineering, 2020, 189, 107899.	12.0	36
15	Temperatureâ€dependent fracture strength of whiskerâ€reinforced ceramic composites: Modeling and factor analysis. Journal of the American Ceramic Society, 2019, 102, 2841-2852.	3.8	5
16	Compressive properties of chemical vapor deposited zinc sulfide at high temperatures. Journal of the Ceramic Society of Japan, 2019, 127, 527-530.	1.1	0
17	Mechanical properties and energy absorption of 3D printed square hierarchical honeycombs under in-plane axial compression. Composites Part B: Engineering, 2019, 176, 107219.	12.0	88
18	Theoretical modeling of the temperature dependent tensile strength for particulate-polymer composites. Composites Science and Technology, 2019, 184, 107881.	7.8	15

#	Article	IF	Citations
19	Bidirectional self-locked energy absorbing system: Design and quasi-static compression properties. Thin-Walled Structures, 2019, 144, 106366.	5.3	21
20	Flatwise compression property of hierarchical thermoplastic composite square lattice. Composite Structures, 2019, 210, 118-133.	5.8	19
21	Modeling the effects of interfacial properties on the temperature dependent tensile strength of fiber reinforced polymer composites. Composites Science and Technology, 2019, 172, 74-80.	7.8	24
22	Theoretical model for the temperature dependent longitudinal tensile strength of unidirectional fiber reinforced polymer composites. Composites Part B: Engineering, 2019, 161, 121-127.	12.0	18
23	A viscoelastic model of compression and relaxation behaviors in preforming process for carbon fiber fabrics with binder. Composites Part B: Engineering, 2019, 158, 1-9.	12.0	32
24	Dynamic crushing behavior and energy absorption of graded lattice cylindrical structure under axial impact load. Thin-Walled Structures, 2018, 127, 333-343.	5.3	106
25	Fabrication and bending behavior of thermoplastic composite curved corrugated sandwich beam with interface enhancement. International Journal of Mechanical Sciences, 2018, 149, 101-111.	6.7	43
26	Temperatureâ€Dependent Bulk Modulus Model for Solid Single Crystals. Physica Status Solidi (B): Basic Research, 2018, 255, 1800286.	1.5	2
27	A novel hierarchical thermoplastic composite honeycomb cylindrical structure: Fabrication and axial compressive properties. Composites Science and Technology, 2018, 164, 136-145.	7.8	41
28	Temperatureâ€dependent tensile strength model for 2D woven fiber reinforced ceramic matrix composites. Journal of the American Ceramic Society, 2018, 101, 5157-5165.	3.8	19
29	Effects of temperature and redshift on the refractive index of semiconductors. Journal of Applied Physics, 2018, 124, 035703.	2.5	4
30	Temperature-dependent longitudinal tensile strength model for short-fiber-reinforced polymer composites considering fiber orientation and fiber length distribution. Journal of Materials Science, 2018, 53, 12190-12202.	3.7	16
31	Theoretical models and influencing factor analysis for the temperature-dependent tensile strength of ceramic fibers and their unidirectional composites. Composite Structures, 2017, 164, 23-31.	5.8	21
32	Numerical Study on the Projectile Impact Resistance of Multi-Layer Sandwich Panels with Cellular Cores. Latin American Journal of Solids and Structures, 2016, 13, 2876-2895.	1.0	13
33	Free vibration of CFRC lattice-core sandwich cylinder with attached mass. Composites Science and Technology, 2015, 118, 226-235.	7.8	45
34	Improved manufacturing method and mechanical performances of carbon fiber reinforced lattice-core sandwich cylinder. Thin-Walled Structures, 2013, 68, 75-84.	5.3	72
35	Manufacturing and testing of a CFRC sandwich cylinder with Kagome cores. Composites Science and Technology, 2009, 69, 2695-2700.	7.8	132