

Congcong Luan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

626
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of carbon fiber-embedded 3D printed structures for strengthening and structural-health monitoring. <i>Materials and Design</i> , 2017, 114, 424-432.	7.0	139
2	Progress in Auxetic Mechanical Metamaterials: Structures, Characteristics, Manufacturing Methods, and Applications. <i>Advanced Engineering Materials</i> , 2020, 22, 2000312.	3.5	93
3	Acoustic Metamaterials: A Review of Theories, Structures, Fabrication Approaches, and Applications. <i>Advanced Materials Technologies</i> , 2021, 6, 2000787.	5.8	87
4	Mechanical and self-monitoring behaviors of 3D printing smart continuous carbon fiber-thermoplastic lattice truss sandwich structure. <i>Composites Part B: Engineering</i> , 2019, 176, 107215.	12.0	43
5	Self-monitoring continuous carbon fiber reinforced thermoplastic based on dual-material three-dimensional printing integration process. <i>Carbon</i> , 2018, 140, 100-111.	10.3	34
6	Large-scale deformation and damage detection of 3D printed continuous carbon fiber reinforced polymer-matrix composite structures. <i>Composite Structures</i> , 2019, 212, 552-560.	5.8	33
7	Self-Sensing of Position-Related Loads in Continuous Carbon Fibers-Embedded 3D-Printed Polymer Structures Using Electrical Resistance Measurement. <i>Sensors</i> , 2018, 18, 994.	3.8	32
8	High-Performance Auxetic Bilayer Conductive Mesh-Based Multi-Material Integrated Stretchable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23038-23048.	8.0	25
9	A flexible porous chiral auxetic tracheal stent with ciliated epithelium. <i>Acta Biomaterialia</i> , 2021, 124, 153-165.	8.3	24
10	Integrated self-monitoring and self-healing continuous carbon fiber reinforced thermoplastic structures using dual-material three-dimensional printing technology. <i>Composites Science and Technology</i> , 2020, 188, 107986.	7.8	22
11	Integrated and shape-adaptable multifunctional flexible triboelectric nanogenerators using coaxial direct ink writing 3D printing. <i>Nano Energy</i> , 2021, 90, 106534.	16.0	17
12	Recent Progress in 3D Printing of Smart Structures: Classification, Challenges, and Trends. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000271.	6.1	16
13	Broadband controllable acoustic focusing and asymmetric focusing by acoustic metamaterials. <i>Smart Materials and Structures</i> , 2021, 30, 045021.	3.5	13
14	Fabrication and characterization of in situ structural health monitoring hybrid continuous carbon/glass fiber-reinforced thermoplastic composite. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 3207-3215.	3.0	10
15	Additive Manufacturing of Polyamide 66: Effect of Process Parameters on Crystallinity and Mechanical Properties. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 191-200.	2.5	10
16	Acoustic wave filtering strategy based on gradient acoustic metamaterials. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 335301.	2.8	6
17	A novel wavy non-uniform ligament chiral stent with J-shaped stress-strain behavior to mimic the native trachea. <i>Bio-Design and Manufacturing</i> , 2021, 4, 851-866.	7.7	6
18	Tunable soft-stiff hybridized fiber-reinforced thermoplastic composites using controllable multimaterial additive manufacturing technology. <i>Additive Manufacturing</i> , 2022, 55, 102836.	3.0	5

#	ARTICLE	IF	CITATIONS
19	A machining feature recognition approach based on hierarchical neural network for multi-feature point cloud models. Journal of Intelligent Manufacturing, 2023, 34, 2599-2610.	7.3	5
20	Transmission and measurement characteristics evaluation of surface acoustic wave sensor on rotating spindle in machine tools. Advances in Mechanical Engineering, 2016, 8, 168781401667678.	1.6	4
21	Recent Progress in 3D Printing of Smart Structures: Classification, Challenges, and Trends. Advanced Intelligent Systems, 2021, 3, .	6.1	2