

Youming Chen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,247
citations

759233

12
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Auxetic metamaterials and structures: a review. <i>Smart Materials and Structures</i> , 2018, 27, 023001.	3.5	657
2	Waves in Structured Mediums or Metamaterials: A Review. <i>Archives of Computational Methods in Engineering</i> , 2019, 26, 1029-1058.	10.2	85
3	Internally coupled metamaterial beam for simultaneous vibration suppression and low frequency energy harvesting. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	81
4	Metastructure With Piezoelectric Element for Simultaneous Vibration Suppression and Energy Harvesting. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2017, 139, .	1.6	80
5	Effects of cell size and cell wall thickness variations on the strength of closed-cell foams. <i>International Journal of Engineering Science</i> , 2017, 120, 220-240.	5.0	67
6	MIMO Sliding Mode Controller for Gait Exoskeleton Driven by Pneumatic Muscles. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 274-281.	5.2	63
7	Metamaterial With Local Resonators Coupled by Negative Stiffness Springs for Enhanced Vibration Suppression. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, .	2.2	47
8	Bending analysis of thin functionally graded plate under in-plane stiffness variations. <i>Applied Mathematical Modelling</i> , 2017, 44, 481-496.	4.2	25
9	Experimental Investigation and Image Processing to Predict the Properties of Concrete with the Addition of Nano Silica and Rice Husk Ash. <i>Crystals</i> , 2021, 11, 1230.	2.2	23
10	Tunable metamaterial beam using negative capacitor for local resonators coupling. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 389-407.	2.5	19
11	A review on manufacture of polymeric foam cores for sandwich structures of complex shape in automotive applications. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 789-819.	3.5	19
12	Effect of TiB ₂ content on microstructure and properties of in situ Ti-TiB composites. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 915-924.	4.9	16
13	Modelling of a cantilevered energy harvester with partial piezoelectric coverage and shunted to practical interface circuits. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 1896-1912.	2.5	14
14	Finite element analysis of implant-assisted removable partial dentures: Framework design considerations. <i>Journal of Prosthetic Dentistry</i> , 2017, 118, 177-186.	2.8	13
15	General Framework for Modeling Multifunctional Metamaterial Beam Based on a Derived One-Dimensional Piezoelectric Composite Finite Element. <i>Journal of Aerospace Engineering</i> , 2018, 31, .	1.4	13
16	Numerical Modelling of Ballistic Impact Response at Low Velocity in Aramid Fabrics. <i>Materials</i> , 2019, 12, 2087.	2.9	7
17	Multifunctional sandwich panel design with lithium-ion polymer batteries. <i>Journal of Sandwich Structures and Materials</i> , 2020, , 109963622094655.	3.5	5
18	Thermomechanical Effects on Electrical Energy Harvested from Laminated Piezoelectric Devices. <i>Crystals</i> , 2021, 11, 141.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Stress distribution within the ceramic veneer-tooth system with butt joint and feathered edge incisal preparation designs. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021, 33, 496-502.	3.8	3
20	Evaluating Orientation Effects on the Fire Reaction Properties of Flax-Polypropylene Composites. <i>Polymers</i> , 2021, 13, 2586.	4.5	3
21	Characterization of microstructures of SAN foam core using micro-computed tomography. <i>Frontiers in Forests and Global Change</i> , 2021, 40, 143-164.	1.1	1
22	Development of cost-effective transparent bionanocomposite films based on pullulan and cellulose nanofibers for packaging application. <i>Polymer Bulletin</i> , 0, , 1.	3.3	1
23	Improving the accuracy and reliability of temperature field simulation during laser metal deposition. <i>Australian Journal of Mechanical Engineering</i> , 2021, 19, 630-641.	2.1	1