

Hmaid Jafari

List of Publications by Year in descending order

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14
papers

341
citations

933447

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h-index

1058476

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g-index

14
all docs

14
docs citations

14
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-Adaptive Metastructures with Variable Bandgap Regions by 4D Printing. <i>Polymers</i> , 2020, 12, 519.	4.5	92
2	A conceptual study on the dynamics of a piezoelectric MEMS (Micro-Electro Mechanical System) energy harvester. <i>Energy</i> , 2016, 96, 495-506.	8.8	53
3	Energy harvesting based on magnetostriction, for low frequency excitations. <i>Energy</i> , 2017, 124, 1-8.	8.8	43
4	Study of tunable locally resonant metamaterials: Effects of spider-web and snowflake hierarchies. <i>International Journal of Solids and Structures</i> , 2020, 204-205, 81-95.	2.7	30
5	Tunable elastic wave propagation in planar functionally graded metamaterials. <i>Acta Mechanica</i> , 2020, 231, 3363-3385.	2.1	27
6	Hybrid lattice metamaterials with auxiliary resonators made of functionally graded materials. <i>Acta Mechanica</i> , 2020, 231, 4835-4849.	2.1	17
7	Damping effects on wave-propagation characteristics of microtubule-based bio-nano-metamaterials. <i>International Journal of Mechanical Sciences</i> , 2020, 184, 105844.	6.7	17
8	Wave propagation in microtubule-based bio-nano-architected networks: A lesson from nature. <i>International Journal of Mechanical Sciences</i> , 2019, 164, 105175.	6.7	16
9	Small-scale effects on wave propagation in planar micro-lattices. <i>Journal of Sound and Vibration</i> , 2021, 494, 115894.	3.9	16
10	Novel mass detection based on magnetic excitation in anti-resonance region. <i>Microsystem Technologies</i> , 2017, 23, 1377-1383.	2.0	10
11	On the dynamics of a novel energy harvester to convert the energy of the magnetic noise into electrical power. <i>Energy</i> , 2020, 207, 118268.	8.8	9
12	Using fibrin/collagen composite hydrogel and silk for bio-inspired design of tympanic membrane grafts: A vibro-acoustic analysis. <i>Composites Part C: Open Access</i> , 2021, 6, 100205.	3.2	5
13	Experimentally validated vibro-acoustic modeling of 3D bio-printed grafts for potential use in human tympanic membrane regeneration. <i>Bioprinting</i> , 2022, 25, e00186.	5.8	4
14	Orientation-dependent mechanical properties of planar microtubule-based bio-nanometamaterials. <i>Physica Scripta</i> , 2020, 95, 085004.	2.5	2