Mahmoud Mosavi Mashhadi

List of Publications by Year
in descending order

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Version: 2024-02-01

22	575	759233 12	677142 22
papers	citations	h-index	g-index

23	23	23	382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tubular channel angular pressing (TCAP) as a novel severe plastic deformation method for cylindrical tubes. Materials Letters, 2011, 65, 3009-3012.	2.6	153
2	Parallel tubular channel angular pressing (PTCAP) as a new severe plastic deformation method for cylindrical tubes. Materials Letters, 2012, 77, 82-85.	2.6	107
3	Comprehensive investigation on hierarchical multiscale homogenization using Representative Volume Element for piezoelectric nanocomposites. Composites Part B: Engineering, 2011, 42, 553-561.	12.0	34
4	Microstructural Evolution of UFG Magnesium Alloy Produced by Accumulative Back Extrusion (ABE). Materials and Manufacturing Processes, 2012, 27, 267-272.	4.7	33
5	Deformation Behavior in Tubular Channel Angular Pressing (TCAP) Using Triangular and Semicircular Channels. Materials Transactions, 2012, 53, 8-12.	1.2	31
6	Study of tunable locally resonant metamaterials: Effects of spider-web and snowflake hierarchies. International Journal of Solids and Structures, 2020, 204-205, 81-95.	2.7	30
7	Tunable elastic wave propagation in planar functionally graded metamaterials. Acta Mechanica, 2020, 231, 3363-3385.	2.1	27
8	Dynamic analysis of carbon nanotubes under electrostatic actuation using modified couple stress theory. Acta Mechanica, 2014, 225, 1523-1535.	2.1	22
9	Investigation of holder pressure and size effects in micro deep drawing of rectangular work pieces driven by piezoelectric actuator. Materials Science and Engineering C, 2017, 71, 685-689.	7.3	21
10	Hybrid lattice metamaterials with auxiliary resonators made of functionally graded materials. Acta Mechanica, 2020, 231, 4835-4849.	2.1	17
11	Small-scale effects on wave propagation in planar micro-lattices. Journal of Sound and Vibration, 2021, 494, 115894.	3.9	16
12	Active/passive tuning of wave propagation in phononic microbeams via piezoelectric patches. Mechanics of Materials, 2022, 167, 104249.	3.2	16
13	Prediction of mechanical and thermal properties of polymer nanocomposites reinforced by coiled carbon nanotubes for possible application as impact absorbent. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 882-902.	2.1	13
14	Influence of drawn radius in micro deep drawing process of rectangular work pieces via size dependent analysis using piezoelectric actuator. International Journal on Interactive Design and Manufacturing, 2017, 11, 893-902.	2.2	11
15	Wave propagation in nonlinear monoatomic chains with linear and quadratic damping. Nonlinear Dynamics, 2022, 108, 457-478.	5.2	11
16	Buckling analysis of graphene sheets using nonlocal isogeometric finite element method for NEMS applications. Microsystem Technologies, 2017, 23, 2859-2871.	2.0	8
17	Degree of Crystallinity and Phase Fraction of Polyvinylidene Fluoride Nanocomposites Containing Ionic Liquid and Graphene/Carbon Nanotube. Polymer Composites, 2018, 39, E1208.	4.6	7
18	Finite element and micromechanical modeling for investigating effective material properties of polymerâ€“matrix nanocomposites with microfiber, reinforced by CNT arrays. International Journal of Advanced Structural Engineering, 2016, 8, 297-306.	1.3	6

#	Article	IF	Citations
19	Out-of-plane wave propagation in two-dimensional micro-lattices. Physica Scripta, 2021, 96, 085704.	2.5	6
20	Improving mechanical properties of near-net-shape aluminum/MWCNT nanocomposites fabricated by plasma spray forming using electroless copper coating of MWCNT. Journal of Composite Materials, 2015, 49, 131-139.	2.4	2
21	Wave propagation and directionality in two-dimensional periodic lattices considering shear deformations. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2022, 236, 101-116.	0.6	1
22	Effects of interlayer density and surfactant on coupled thermal stress and moisture absorption in modified montmorillonite/polypropylene nanocomposite. Journal of Applied Polymer Science, 2021, 138, 50186.	2.6	0