

# Mahmoud Mosavi Mashhadi

## List of Publications by Year in descending order

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22  
papers

575  
citations

759233

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h-index

677142

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g-index

23  
all docs

23  
docs citations

23  
times ranked

382  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Wave propagation in nonlinear monoatomic chains with linear and quadratic damping. Nonlinear Dynamics, 2022, 108, 457-478.	5.2	11
3	Active/passive tuning of wave propagation in phononic microbeams via piezoelectric patches. Mechanics of Materials, 2022, 167, 104249.	3.2	16
4	Small-scale effects on wave propagation in planar micro-lattices. Journal of Sound and Vibration, 2021, 494, 115894.	3.9	16
5	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
6	Out-of-plane wave propagation in two-dimensional micro-lattices. Physica Scripta, 2021, 96, 085704.	2.5	6
7	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
8	Hybrid lattice metamaterials with auxiliary resonators made of functionally graded materials. Acta Mechanica, 2020, 231, 4835-4849.	2.1	17
9	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
10	Tunable elastic wave propagation in planar functionally graded metamaterials. Acta Mechanica, 2020, 231, 3363-3385.	2.1	27
11	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
12	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
13	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
14	Buckling analysis of graphene sheets using nonlocal isogeometric finite element method for NEMS applications. Microsystem Technologies, 2017, 23, 2859-2871.	2.0	8
15	Finite element and micromechanical modeling for investigating effective material properties of polymer matrix nanocomposites with microfiber, reinforced by CNT arrays. International Journal of Advanced Structural Engineering, 2016, 8, 297-306.	1.3	6
16	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
17	Dynamic analysis of carbon nanotubes under electrostatic actuation using modified couple stress theory. Acta Mechanica, 2014, 225, 1523-1535.	2.1	22
18	Microstructural Evolution of UFG Magnesium Alloy Produced by Accumulative Back Extrusion (ABE). Materials and Manufacturing Processes, 2012, 27, 267-272.	4.7	33

#	ARTICLE	IF	CITATIONS
19	Deformation Behavior in Tubular Channel Angular Pressing (TCAP) Using Triangular and Semicircular Channels. <i>Materials Transactions</i> , 2012, 53, 8-12.	1.2	31
20	Parallel tubular channel angular pressing (PTCAP) as a new severe plastic deformation method for cylindrical tubes. <i>Materials Letters</i> , 2012, 77, 82-85.	2.6	107
21	Tubular channel angular pressing (TCAP) as a novel severe plastic deformation method for cylindrical tubes. <i>Materials Letters</i> , 2011, 65, 3009-3012.	2.6	153
22	Comprehensive investigation on hierarchical multiscale homogenization using Representative Volume Element for piezoelectric nanocomposites. <i>Composites Part B: Engineering</i> , 2011, 42, 553-561.	12.0	34