

# A M Fattahi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

803  
citations

19  
h-index

27  
g-index

42  
ext. papers

917  
ext. citations

2.4  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
40	Experimental study on the effect of compression load on the elastic properties of HDPE/SWCNTs nanocomposites. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 3513-3522	1.7	1
39	Calcium carbonate nanoparticles effects on cement plast properties. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 3059-3076	1.7	5
38	A finite element method for modal analysis of FGM plates. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 1-12	1.7	15
37	A micromechanical model for overlapped short platelet-reinforced composites. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 1-13	1.7	3
36	Experimental and numerical study on HDPE/SWCNT nanocomposite elastic properties considering the processing techniques effect. <i>Microsystem Technologies</i> , <b>2020</b> , 26, 2423-2441	1.7	15
35	Numerical prediction of elastic properties for carbon nanotubes reinforced composites using a multi-scale method. <i>Engineering With Computers</i> , <b>2020</b> , 37, 1961	4.5	8
34	Develop a refined truncated cubic lattice structure for nonlinear large-amplitude vibrations of micro/nano-beams made of nanoporous materials. <i>Engineering With Computers</i> , <b>2020</b> , 36, 359-375	4.5	23
33	Analytical treatment on the nonlocal strain gradient vibrational response of postbuckled functionally graded porous micro-/nanoplates reinforced with GPL. <i>Engineering With Computers</i> , <b>2020</b> , 36, 1559-1578	4.5	24
32	Nonlocal strain gradient beam model for nonlinear secondary resonance analysis of functionally graded porous micro/nano-beams under periodic hard excitations. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 48, 403-432	1.7	45
31	Surface elastic shell model for nonlinear primary resonant dynamics of FG porous nanoshells incorporating modal interactions. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 165, 105203	5.5	42
30	Radial postbuckling of nanoscaled shells embedded in elastic foundations based on Ruč surface stress elasticity theory. <i>Mechanics Based Design of Structures and Machines</i> , <b>2019</b> , 47, 787-806	1.7	28
29	Free vibration analysis of polyethylene/CNT plates. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	39
28	Size-dependent nonlinear forced oscillation of self-assembled nanotubules based on the nonlocal strain gradient beam model. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2019</b> , 41, 1	2	17
27	A comparison for the non-classical plate model based on axial buckling of single-layered graphene sheets. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	37
26	Evaluation of elastic modulus in PE/CNT composites subjected to axial loads. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	5
25	Analytical mathematical solution for vibrational response of postbuckled laminated FG-GPLRC nonlocal strain gradient micro-/nanobeams. <i>Engineering With Computers</i> , <b>2019</b> , 35, 1173-1189	4.5	54
24	Nonlinear torsional buckling and postbuckling analysis of cylindrical silicon nanoshells incorporating surface free energy effects. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 3533-3546	1.7	16

23	Non-classical plate model for FGMs. <i>Engineering With Computers</i> , <b>2019</b> , 35, 215-228	4.5	11
22	Small scale effects on buckling and postbuckling behaviors of axially loaded FGM nanoshells based on nonlocal strain gradient elasticity theory. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2018</b> , 39, 561-580	3.2	57
21	Finite element study on elastic transition in platelet reinforced composites. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 2663-2671	1.7	39
20	Development of efficient size-dependent plate models for axial buckling of single-layered graphene nanosheets using molecular dynamics simulation. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 1265-1277	1.7	20
19	The effect of CNC and manual laser machining on electrical resistance of HDPE/MWCNT composite. <i>International Nano Letters</i> , <b>2018</b> , 8, 137-145	5.7	1
18	Buckling analysis of CNT-reinforced beams with arbitrary boundary conditions. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 5079-5091	1.7	27
17	Thermo-electro-mechanical size-dependent postbuckling response of axially loaded piezoelectric shear deformable nanoshells via nonlocal elasticity theory. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 5105-5119	1.7	15
16	Calibration of developed nonlocal anisotropic shear deformable plate model for uniaxial instability of 3D metallic carbon nanosheets using MD simulations. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2017</b> , 322, 187-207	5.7	32
15	Development an efficient calibrated nonlocal plate model for nonlinear axial instability of zirconia nanosheets using molecular dynamics simulation. <i>Journal of Molecular Graphics and Modelling</i> , <b>2017</b> , 75, 20-31	2.8	24
14	An anisotropic calibrated nonlocal plate model for biaxial instability analysis of 3D metallic carbon nanosheets using molecular dynamics simulations. <i>Materials Research Express</i> , <b>2017</b> , 4, 065001	1.7	26
13	Nonlocal size dependency in nonlinear instability of axially loaded exponential shear deformable FG-CNT reinforced nanoshells under heat conduction. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	29
12	Nonlocal temperature-dependent postbuckling behavior of FG-CNT reinforced nanoshells under hydrostatic pressure combined with heat conduction. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 5121-5137	1.7	28
11	Size-dependent nonlinear instability of shear deformable cylindrical nanopanels subjected to axial compression in thermal environments. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 4717-4731	1.7	18
10	Imperfection sensitivity of the size-dependent nonlinear instability of axially loaded FGM nanopanels in thermal environments. <i>Acta Mechanica</i> , <b>2017</b> , 228, 3789-3810	2.1	27
9	Size Dependency in the Axial Postbuckling Behavior of Nanopanels Made of Functionally Graded Material Considering Surface Elasticity. <i>Arabian Journal for Science and Engineering</i> , <b>2017</b> , 42, 4617-4633	2.5	21
8	Free Vibrational Response of Single-Layered Graphene Sheets Embedded in an Elastic Matrix using Different Nonlocal Plate Models. <i>Mechanika</i> , <b>2017</b> , 23,	1.5	7
7	Three Dimensional Stress Analysis of a Helical Gear Drive with Finite Element Method. <i>Mechanika</i> , <b>2017</b> , 23,	1.5	2
6	Thermo-mechanical stress analysis in platelet reinforced composites with bonded and debonded platelet end. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 2067-2072	1.6	5

5	Evaluating Mechanical Properties of Nanoplatelet Reinforced Composites Under Mechanical and Thermal Loads. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2015</b> , 12, 4179-4185	0.3	7
4	Nonlinear Vibrational Analysis of Nanobeams Embedded in an Elastic Medium including Surface Stress Effects. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-7	1.5	15
3	Analytical study on elastic transition in short-fiber composites for plane strain case. <i>Journal of Mechanical Science and Technology</i> , <b>2013</b> , 27, 3419-3425	1.6	6
2	Experimental and numerical investigation of friction coefficient effects on defects in horizontal tube bending process. <i>Journal of Theoretical and Applied Mechanics</i> , 837	1.3	3
1	Experimental study on mechanical properties of PE / CNT composites. <i>Journal of Theoretical and Applied Mechanics</i> , 719	1.3	5