

Majid aAkbarzadeh Khorshidi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

378
citations

1039880

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h-index

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all docs

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docs citations

20
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Postbuckling of functionally graded nanobeams based on modified couple stress theory under general beam theory. <i>International Journal of Mechanical Sciences</i> , 2016, 110, 160-169.	3.6	91
2	The material length scale parameter used in couple stress theories is not a material constant. <i>International Journal of Engineering Science</i> , 2018, 133, 15-25.	2.7	61
3	Modeling and Vibration Characteristics of Cracked Nano-Beams Made of Nanocrystalline Materials. <i>International Journal of Mechanical Sciences</i> , 2016, 115-116, 574-585.	3.6	56
4	Free vibration analysis of sigmoid functionally graded nanobeams based on a modified couple stress theory with general shear deformation theory. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 2607-2619.	0.8	33
5	An investigation of stress wave propagation in a shear deformable nanobeam based on modified couple stress theory. <i>Waves in Random and Complex Media</i> , 2016, 26, 243-258.	1.6	17
6	Validation of weakening effect in modified couple stress theory: Dispersion analysis of carbon nanotubes. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105358.	3.6	16
7	Buckling and postbuckling of size-dependent cracked microbeams based on a modified couple stress theory. <i>Journal of Applied Mechanics and Technical Physics</i> , 2017, 58, 717-724.	0.1	14
8	Nonlocal modeling and buckling features of cracked nanobeams with von Karman nonlinearity. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	13
9	A multi-spring model for buckling analysis of cracked Timoshenko nanobeams based on modified couple stress theory. <i>Journal of Theoretical and Applied Mechanics</i> , 0, , 1127.	0.2	12
10	Effect of nano-porosity on postbuckling of non-uniform microbeams. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	10
11	Postbuckling of viscoelastic micro/nanobeams embedded in visco-Pasternak foundations based on the modified couple stress theory. <i>Mechanics of Time-Dependent Materials</i> , 2021, 25, 265.	2.3	10
12	Investigation of flexibility constants for a multi-spring model: a solution for buckling of cracked micro/nanobeams. <i>Journal of Theoretical and Applied Mechanics</i> , 2019, 57, 49-58.	0.2	10
13	Diagnosis of Type, Location and Size of Cracks by Using Generalized Differential Quadrature and Rayleigh Quotient Methods. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2013, 43, 61-70.	0.6	8
14	Length scale parameter of single trabecula in cancellous bone. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1917-1923.	1.4	8
15	Nanostructureâ€dependent dispersion of carbon nanostructures: New insights into the modified couple stress theory. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	6
16	Higher order and scale-dependent micro-inertia effect on the longitudinal dispersion based on the modified couple stress theory. <i>Journal of Computational Design and Engineering</i> , 2021, 8, 189-194.	1.5	6
17	Dynamic Analysis of a Micro-Cantilever Subjected to Harmonic Base Excitation via RVIM. <i>Applied Mechanics and Materials</i> , 2013, 332, 545-550.	0.2	2
18	Analysis of functionally graded thick-walled cylinders with high order shear deformation theories under non-uniform pressure. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	2

#	ARTICLE	IF	CITATIONS
19	A microstructure-based study on compact human bones: hierarchical length scale parameter. <i>Acta Mechanica</i> , 2021, 232, 73-88.	1.1	2
20	Tridynamic model of the beam with transverse shear deformation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 388, 114257.	3.4	1