

Mohsen Asghari

List of Publications by Year in descending order

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papers

439
citations

933447

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g-index

19
all docs

19
docs citations

19
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	A size-dependent model for functionally graded micro-plates for mechanical analyses. JVC/Journal of Vibration and Control, 2013, 19, 1614-1632.	2.6	62
2	Small-scale thermoelastic damping in micro-beams utilizing the modified couple stress theory and the dual-phase-lag heat conduction model. Journal of Thermal Stresses, 2019, 42, 801-814.	2.0	61
3	Thermoelastic damping in nonlocal nanobeams considering dual-phase-lagging effect. JVC/Journal of Vibration and Control, 2020, 26, 1042-1053.	2.6	54
4	Thermoelastic damping in strain gradient microplates according to a generalized theory of thermoelasticity. Journal of Thermal Stresses, 2020, 43, 401-420.	2.0	46
5	Small-scale analysis of plates with thermoelastic damping based on the modified couple stress theory and the dual-phase-lag heat conduction model. Acta Mechanica, 2018, 229, 3869-3884.	2.1	44
6	Nonlinear size-dependent forced vibrational behavior of microbeams based on a non-classical continuum theory. JVC/Journal of Vibration and Control, 2012, 18, 696-711.	2.6	36
7	Size-Dependent Strain Gradient-Based Thermoelastic Damping in Micro-Beams Utilizing a Generalized Thermoelasticity Theory. International Journal of Applied Mechanics, 2019, 11, 1950007.	2.2	34
8	Size-dependent analysis of thermoelastic damping in electrically actuated microbeams. Mechanics of Advanced Materials and Structures, 2021, 28, 952-962.	2.6	30
9	Elasticity formulation for motion equations of couple stress based micro-rotating disks with varying speeds. Mechanics Based Design of Structures and Machines, 2021, 49, 1-19.	4.7	14
10	Nonlinear flexure of Timoshenko–Ehrenfest nano-beams via nonlocal integral elasticity. European Physical Journal Plus, 2020, 135, 1.	2.6	13
11	Nonlinear vibrations of gradient and nonlocal elastic nano-bars. Mechanics Based Design of Structures and Machines, 2023, 51, 1316-1334.	4.7	8
12	Mathematical Modeling of Anisotropic Hyperelastic Cylindrical Thick Shells by Incorporating Thickness Deformation and Compressibility with Application to Arterial Walls. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	8
13	Flexural Vibration Characteristics of Micro-Rotors Based on the Strain Gradient Theory. International Journal of Applied Mechanics, 2015, 07, 1550075.	2.2	6
14	A model for flexi-bar to evaluate intervertebral disc and muscle forces in exercises. Medical Engineering and Physics, 2016, 38, 1076-1082.	1.7	5
15	Effects of couple stresses on the in-plane vibration of micro-rotating disks. JVC/Journal of Vibration and Control, 2020, 26, 1246-1259.	2.6	5
16	Size-dependent vibrational behavior of a Jeffcott model for micro-rotor systems. Journal of Mechanical Science and Technology, 2016, 30, 35-41.	1.5	4
17	A Shell Model for Free Vibration Analysis of Carbon Nanoscroll. Materials, 2017, 10, 387.	2.9	4
18	On the theoretical and molecular dynamic methods for natural frequencies of multilayer graphene nanosheets incorporating nonlocality and interlayer shear effects. Mechanics of Advanced Materials and Structures, 0, , 1-18.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Dynamic pull-in instability of multilayer graphene NEMSs: non-classical continuum model and molecular dynamics simulations. <i>Acta Mechanica</i> , 2022, 233, 991-1018.	2.1	2