Mohsen Asghari

List of Publications by Year
in descending order

19	439	933447 10	839539 18
papers	citations	h-index	g-index

19	19	19	233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear vibrations of gradient and nonlocal elastic nano-bars. Mechanics Based Design of Structures and Machines, 2023, 51, 1316-1334.	4.7	8
2	Dynamic pull-in instability of multilayer graphene NEMSs: non-classical continuum model and molecular dynamics simulations. Acta Mechanica, 2022, 233, 991-1018.	2.1	2
3	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
4	Size-dependent analysis of thermoelastic damping in electrically actuated microbeams. Mechanics of Advanced Materials and Structures, 2021, 28, 952-962.	2.6	30
5	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
6	Thermoelastic damping in nonlocal nanobeams considering dual-phase-lagging effect. JVC/Journal of Vibration and Control, 2020, 26, 1042-1053.	2.6	54
7	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
8	Nonlinear flexure of Timoshenkoâ€“Ehrenfest nano-beams via nonlocal integral elasticity. European Physical Journal Plus, 2020, 135, 1.	2.6	13
9	Thermoelastic damping in strain gradient microplates according to a generalized theory of thermoelasticity. Journal of Thermal Stresses, 2020, 43, 401-420.	2.0	46
10	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
11	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
12	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
13	A Shell Model for Free Vibration Analysis of Carbon Nanoscroll. Materials, 2017, 10, 387.	2.9	4
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	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
16	Flexural Vibration Characteristics of Micro-Rotors Based on the Strain Gradient Theory. International Journal of Applied Mechanics, 2015, 07, 1550075.	2.2	6
17	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
18	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

#	Article	IF	Citations
19	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