Amin Hadi

List of Publications by Year
in descending order

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34 papers	1,525 citations	430754 18 h-index	377752 34 g-index
38 all docs	38 docs citations	38 times ranked	627 citing authors

#	Article	IF	Citations
1	Buckling analysis of arbitrary two-directional functionally graded Eulerâ€“Bernoulli nano-beams based on nonlocal elasticity theory. International Journal of Engineering Science, 2016, 103, 1-10.	2.7	226
2	Non-local analysis of free vibration of bi-directional functionally graded Eulerâ€“Bernoulli nano-beams. International Journal of Engineering Science, 2016, 105, 1-11.	2.7	181
3	Size dependent free vibration analysis of nanoplates made of functionally graded materials based on nonlocal elasticity theory with high order theories. International Journal of Engineering Science, 2015, 95, 23-35.	2.7	154
4	Eringen's non-local elasticity theory for bending analysis of bi-directional functionally graded Eulerâ€“Bernoulli nano-beams. International Journal of Engineering Science, 2016, 106, 1-9.	2.7	124
5	Vibrations of three-dimensionally graded nanobeams. International Journal of Engineering Science, 2018, 128, 12-23.	2.7	78
6	Exact elasto-plastic analysis of rotating disks made of functionally graded materials. International Journal of Engineering Science, 2014, 85, 47-57.	2.7	74
7	Torsional vibration of functionally graded nano-rod under magnetic field supported by a generalized torsional foundation based on nonlocal elasticity theory. Mechanics Based Design of Structures and Machines, 2020, 48, 480-495.	3.4	64
8	Stress analysis of rotating nano-disks of variable thickness made of functionally graded materials. International Journal of Engineering Science, 2016, 109, 29-53.	2.7	57
9	Thermoelastic analysis of rotating functionally graded micro/nanodisks of variable thickness. Thin-Walled Structures, 2019, 134, 508-523.	2.7	47
10	Torsional vibration of nano-cone based on nonlocal strain gradient elasticity theory. European Physical Journal Plus, 2017, 132, 1.	1.2	44
11	Thermo-Elasto-Plastic Analysis of Thick-Walled Spherical Pressure Vessels Made of Functionally Graded Materials. International Journal of Applied Mechanics, 2016, 08, 1650054.	1.3	43
12	Size-Dependent Stress Analysis of Single-Wall Carbon Nanotube Based on Strain Gradient Theory. International Journal of Applied Mechanics, 2017, 09, 1750087.	1.3	40
13	Thermoelastoplastic analysis of FGM rotating thick cylindrical pressure vessels in linear elastic-fully plastic condition. Composites Part B: Engineering, 2018, 154, 410-422.	5.9	38
14	Influence of initial edge displacement on the nonlinear vibration, electrical and magnetic instabilities of magneto-electro-elastic nanofilms. Mechanics of Advanced Materials and Structures, 2019, 26, 1469-1481.	1.5	37
15	Analysis of functionally graded nanodisks under thermoelastic loading based on the strain gradient theory. Acta Mechanica, 2017, 228, 4141-4168.	1.1	34
16	Primary and secondary resonance analysis of porous functionally graded nanobeam resting on a nonlinear foundation subjected to mechanical and electrical loads. European Journal of Mechanics, A/Solids, 2019, 77, 103793.	2.1	31
17	On vibration of bi-directional functionally graded nanobeams under magnetic field. Mechanics Based Design of Structures and Machines, 2022, 50, 468-485.	3.4	29
18	In vitro static and dynamic cell culture study of novel bone scaffolds based on 3D-printed PLA and cell-laden alginate hydrogel. Biomedical Materials (Bristol), 2022, 17, 045024.	1.7	29

#	Article	IF	Citations
19	A review of applications of surface-enhanced raman spectroscopy laser for detection of biomaterials and a quick glance into its advances for COVID-19 investigations. ISSS Journal of Micro and Smart Systems, 2022, 11, 363-382.	1.0	22
20	Torsional vibration of the porous nanotube with an arbitrary cross-section based on couple stress theory under magnetic field. Mechanics Based Design of Structures and Machines, 2020, , 1-15.	3.4	21
21	Modified DCs and MSCs with HPV E7 antigen and small Hsps: Which one is the most potent strategy for eradication of tumors?. Molecular Immunology, 2019, 108, 102-110.	1.0	20
22	Bending Analysis of Bidirectional FGM Timoshenko Nanobeam Subjected to Mechanical and Magnetic Forces and Resting on Winklerâ€“Pasternak Foundation. International Journal of Applied Mechanics, 2020, 12, 2050093.	1.3	19
23	Effect of input voltage frequency on the distribution of electrical stresses on the cell surface based on single-cell dielectrophoresis analysis. Scientific Reports, 2020, 10, 68.	1.6	18
24	Investigation on penetration of saffron components through lipid bilayer bound to spike protein of SARS-CoV-2 using steered molecular dynamics simulation. Heliyon, 2020, 6, e05681.	1.4	15
25	Static Torsion of Bi-Directional Functionally Graded Microtube Based on the Couple Stress Theory Under Magnetic Field. International Journal of Applied Mechanics, 2020, 12, 2050021.	1.3	14
26	Detection of molecular vibrations of atrazine by accumulation of silver nanoparticles on flexible glass fiber as a surface-enhanced Raman plasmonic nanosensor. Optical Materials, 2022, 128, 112310.	1.7	13
27	Numerical modelling of a spheroid living cell membrane under hydrostatic pressure. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 083501.	0.9	6
28	Combination of Mechanical and Chemical Methods Improves Gene Delivery in Cell-based HIV Vaccines. Current Drug Delivery, 2019, 16, 818-828.	0.8	6
29	Stress and Strain Analysis of Functionally Graded Rectangular Plate with Exponentially Varying Properties. Indian Journal of Materials Science, 2013, 2013, 1-7.	0.6	5
30	Enhanced gene delivery in tumor cells using chemical carriers and mechanical loadings. PLoS ONE, 2018, 13, e0209199.	1.1	5
31	Torsional Vibration of Functionally Porous Nanotube Based on Nonlocal Couple Stress Theory. International Journal of Applied Mechanics, 2021, 13, .	1.3	5
32	Effects of stretching on molecular transfer from cell membrane by forming pores. Soft Materials, 2019, 17, 391-399.	0.8	3
33	Revealing electrical stresses acting on the surface of protoplast cells under electric field. European Journal of Mechanics, B/Fluids, 2019, 76, 292-302.	1.2	3
34	Development of Delivery Systems Enhances the Potency of Cell-Based HIV-1 Therapeutic Vaccine Candidates. Journal of Immunology Research, 2021, 2021, 1-12.	0.9	3