

Amin Hadi

List of Publications by Year in descending order

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Version: 2024-02-01

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	On vibration of bi-directional functionally graded nanobeams under magnetic field. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 468-485.	3.4	29
2	Detection of molecular vibrations of atrazine by accumulation of silver nanoparticles on flexible glass fiber as a surface-enhanced Raman plasmonic nanosensor. <i>Optical Materials</i> , 2022, 128, 112310.	1.7	13
3	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. <i>ISSS Journal of Micro and Smart Systems</i> , 2022, 11, 363-382.	1.0	22
4	In vitro static and dynamic cell culture study of novel bone scaffolds based on 3D-printed PLA and cell-laden alginate hydrogel. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 045024.	1.7	29
5	Development of Delivery Systems Enhances the Potency of Cell-Based HIV-1 Therapeutic Vaccine Candidates. <i>Journal of Immunology Research</i> , 2021, 2021, 1-12.	0.9	3
6	Torsional Vibration of Functionally Porous Nanotube Based on Nonlocal Couple Stress Theory. <i>International Journal of Applied Mechanics</i> , 2021, 13, .	1.3	5
7	Torsional vibration of functionally graded nano-rod under magnetic field supported by a generalized torsional foundation based on nonlocal elasticity theory. <i>Mechanics Based Design of Structures and Machines</i> , 2020, 48, 480-495.	3.4	64
8	Effect of input voltage frequency on the distribution of electrical stresses on the cell surface based on single-cell dielectrophoresis analysis. <i>Scientific Reports</i> , 2020, 10, 68.	1.6	18
9	Bending Analysis of Bidirectional FGM Timoshenko Nanobeam Subjected to Mechanical and Magnetic Forces and Resting on Winkler's Pasternak Foundation. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050093.	1.3	19
10	Investigation on penetration of saffron components through lipid bilayer bound to spike protein of SARS-CoV-2 using steered molecular dynamics simulation. <i>Heliyon</i> , 2020, 6, e05681.	1.4	15
11	Torsional vibration of the porous nanotube with an arbitrary cross-section based on couple stress theory under magnetic field. <i>Mechanics Based Design of Structures and Machines</i> , 2020, , 1-15.	3.4	21
12	Static Torsion of Bi-Directional Functionally Graded Microtube Based on the Couple Stress Theory Under Magnetic Field. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050021.	1.3	14
13	Primary and secondary resonance analysis of porous functionally graded nanobeam resting on a nonlinear foundation subjected to mechanical and electrical loads. <i>European Journal of Mechanics, A/Solids</i> , 2019, 77, 103793.	2.1	31
14	Effects of stretching on molecular transfer from cell membrane by forming pores. <i>Soft Materials</i> , 2019, 17, 391-399.	0.8	3
15	Revealing electrical stresses acting on the surface of protoplast cells under electric field. <i>European Journal of Mechanics, B/Fluids</i> , 2019, 76, 292-302.	1.2	3
16	Modified DCs and MSCs with HPV E7 antigen and small Hsps: Which one is the most potent strategy for eradication of tumors?. <i>Molecular Immunology</i> , 2019, 108, 102-110.	1.0	20
17	Thermoelastic analysis of rotating functionally graded micro/nanodisks of variable thickness. <i>Thin-Walled Structures</i> , 2019, 134, 508-523.	2.7	47
18	Influence of initial edge displacement on the nonlinear vibration, electrical and magnetic instabilities of magneto-electro-elastic nanofilms. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1469-1481.	1.5	37

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19	Combination of Mechanical and Chemical Methods Improves Gene Delivery in Cell-based HIV Vaccines. <i>Current Drug Delivery</i> , 2019, 16, 818-828.	0.8	6
20	Vibrations of three-dimensionally graded nanobeams. <i>International Journal of Engineering Science</i> , 2018, 128, 12-23.	2.7	78
21	Enhanced gene delivery in tumor cells using chemical carriers and mechanical loadings. <i>PLoS ONE</i> , 2018, 13, e0209199.	1.1	5
22	Thermoelastoplastic analysis of FGM rotating thick cylindrical pressure vessels in linear elastic-fully plastic condition. <i>Composites Part B: Engineering</i> , 2018, 154, 410-422.	5.9	38
23	Numerical modelling of a spheroid living cell membrane under hydrostatic pressure. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 083501.	0.9	6
24	Size-Dependent Stress Analysis of Single-Wall Carbon Nanotube Based on Strain Gradient Theory. <i>International Journal of Applied Mechanics</i> , 2017, 09, 1750087.	1.3	40
25	Torsional vibration of nano-cone based on nonlocal strain gradient elasticity theory. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	44
26	Analysis of functionally graded nanodisks under thermoelastic loading based on the strain gradient theory. <i>Acta Mechanica</i> , 2017, 228, 4141-4168.	1.1	34
27	Buckling analysis of arbitrary two-directional functionally graded Euler-Bernoulli nano-beams based on nonlocal elasticity theory. <i>International Journal of Engineering Science</i> , 2016, 103, 1-10.	2.7	226
28	Eringen's non-local elasticity theory for bending analysis of bi-directional functionally graded Euler-Bernoulli nano-beams. <i>International Journal of Engineering Science</i> , 2016, 106, 1-9.	2.7	124
29	Non-local analysis of free vibration of bi-directional functionally graded Euler-Bernoulli nano-beams. <i>International Journal of Engineering Science</i> , 2016, 105, 1-11.	2.7	181
30	Stress analysis of rotating nano-disks of variable thickness made of functionally graded materials. <i>International Journal of Engineering Science</i> , 2016, 109, 29-53.	2.7	57
31	Thermo-Elasto-Plastic Analysis of Thick-Walled Spherical Pressure Vessels Made of Functionally Graded Materials. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650054.	1.3	43
32	Size dependent free vibration analysis of nanoplates made of functionally graded materials based on nonlocal elasticity theory with high order theories. <i>International Journal of Engineering Science</i> , 2015, 95, 23-35.	2.7	154
33	Exact elasto-plastic analysis of rotating disks made of functionally graded materials. <i>International Journal of Engineering Science</i> , 2014, 85, 47-57.	2.7	74
34	Stress and Strain Analysis of Functionally Graded Rectangular Plate with Exponentially Varying Properties. <i>Indian Journal of Materials Science</i> , 2013, 2013, 1-7.	0.6	5