Maziar Janghorban

List of Publications by Year
in descending order

53 papers	2,094 citations	201575 27 h-index	254106 43 g-index
54 all docs	54 docs citations	54 times ranked	812 citing authors

#	Article	IF	Citations
1	On the stress analysis of anisotropic curved panels. International Journal of Engineering Science, 2022, 172, 103625.	2.7	28
2	Forced vibration analysis of anisotropic curved panels via a quasi-3D model in orthogonal curvilinear coordinate. Thin-Walled Structures, 2022, 175, 109254.	2.7	19
3	Wave dispersion in nonlocal anisotropic macro/nanoplates made of functionally graded materials. Waves in Random and Complex Media, 2021, 31, 1945-1989.	1.6	15
4	On the dynamics of nanoshells. International Journal of Engineering Science, 2021, 158, 103431.	2.7	37
5	Free Vibration of Functionally Graded Carbon Nanotube-reinforced Doubly-curved Shells. Current Mechanics and Advanced Materials, 2021, 1, 39-49.	0.1	0
6	Dynamics of nanocomposite plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	2
7	Dynamics of two-dimensional functionally graded tapered Timoshenko nanobeam in thermal environment using nonlocal strain gradient theory. Composites Part B: Engineering, 2020, 182, 107622.	5.9	94
8	On the mechanics of functionally graded nanoshells. International Journal of Engineering Science, 2020, 153, 103309.	2.7	43
9	Analysis of functionally graded doubly-curved shells with different materials via higher order shear deformation theory. Composite Structures, 2020, 251, 112645.	3.1	25
10	Novel study on functionally graded anisotropic doubly curved nanoshells. European Physical Journal Plus, 2020, 135, 1.	1.2	23
11	Forced Vibration Analysis of Functionally Graded Anisotropic Nanoplates Resting on Winkler/Pasternak-Foundation. Computers, Materials and Continua, 2020, 62, 607-629.	1.5	19
12	Static analysis of functionally graded anisotropic nanoplates using nonlocal strain gradient theory. Composite Structures, 2019, 227, 111249.	3.1	52
13	Analysis of elastic bulk waves in functionally graded triclinic nanoplates using a quasi-3D bi-Helmholtz nonlocal strain gradient model. European Journal of Mechanics, A/Solids, 2019, 78, 103822.	2.1	17
14	Elastic guided waves in fully-clamped functionally graded carbon nanotube-reinforced composite plates. Materials Research Express, 2019, 6, 0950a9.	0.8	20
15	Nonlocal Buckling Analysis of Composite Curved Beams Reinforced with Functionally Graded Carbon Nanotubes. Molecules, 2019, 24, 2750.	1.7	41
16	A new size-dependent shear deformation theory for free vibration analysis of functionally graded/anisotropic nanobeams. Thin-Walled Structures, 2019, 143, 106227.	2.7	40
17	On pre-stressed functionally graded anisotropic nanoshell in magnetic field. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	45
18	On the resonance of functionally graded nanoplates using bi-Helmholtz nonlocal strain gradient theory. International Journal of Engineering Science, 2019, 144, 103143.	2.7	56

#	Article	IF	Citations
19	Free Vibration Analysis of Triclinic Nanobeams Based on the Differential Quadrature Method. Applied Sciences (Switzerland), 2019, 9, 3517.	1.3	18
20	On the dynamics of porous doubly-curved nanoshells. International Journal of Engineering Science, 2019, 143, 39-55.	2.7	56
21	Characteristics of elastic waves in radial direction of anisotropic solid sphere, a new closed-form solution. European Journal of Mechanics, A/Solids, 2019, 76, 36-45.	2.1	15
22	Resonance behavior of functionally graded polymer composite nanoplates reinforced with graphene nanoplatelets. International Journal of Mechanical Sciences, 2019, 156, 94-105.	3.6	107
23	Influence of homogenization schemes on vibration of functionally graded curved microbeams. Composite Structures, 2019, 216, 67-79.	3.1	66
24	On the dynamics of porous nanotubes with variable material properties and variable thickness. International Journal of Engineering Science, 2019, 136, 53-66.	2.7	61
25	Wave Propagation of Porous Nanoshells. Nanomaterials, 2019, 9, 22.	1.9	40
26	Galerkinâ€™s approach for buckling analysis of functionally graded anisotropic nanoplates/different boundary conditions. Engineering With Computers, 2019, 35, 1297-1316.	3.5	103
27	Thermal buckling of embedded sandwich piezoelectric nanoplates with functionally graded core by a nonlocal second-order shear deformation theory. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 287-301.	1.1	31
28	A new model for wave propagation in functionally graded anisotropic doubly-curved shells. Composite Structures, 2018, 190, 91-111.	3.1	22
29	Variational approach for wave dispersion in anisotropic doubly-curved nanoshells based on a new nonlocal strain gradient higher order shell theory. Thin-Walled Structures, 2018, 129, 251-264.	2.7	157
30	Wave propagation analysis in functionally graded (FG) nanoplates under in-plane magnetic field based on nonlocal strain gradient theory and four variable refined plate theory. Mechanics of Advanced Materials and Structures, 2018, 25, 1047-1057.	1.5	67
31	On guided wave propagation in fully clamped porous functionally graded nanoplates. Acta Astronautica, 2018, 143, 380-390.	1.7	89
32	Wave dispersion of mounted graphene with initial stress. Thin-Walled Structures, 2018, 122, 102-111.	2.7	51
33	A comprehensive analytical study on functionally graded carbon nanotube-reinforced composite plates. Aerospace Science and Technology, 2018, 82-83, 499-512.	2.5	55
34	Wave propagation in functionally graded nanocomposites reinforced with carbon nanotubes based on second-order shear deformation theory. Mechanics of Advanced Materials and Structures, 2017, 24, 458-468.	1.5	30
35	Bending and shearing responses for dynamic analysis of single-layer graphene sheets under moving load. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3849-3861.	0.8	45
36	Dynamic characteristics of viscoelastic nanoplates under moving load embedded within visco-Pasternak substrate and hygrothermal environment. Materials Research Express, 2017, 4, 085013.	0.8	56

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37	Wave propagation in anisotropic plates using trigonometric shear deformation theory. Mechanics of Advanced Materials and Structures, 2017, 24, 1135-1144.	1.5	9
38	Effect of magnetic field on the wave propagation in nanoplates based on strain gradient theory with one parameter and two-variable refined plate theory. Modern Physics Letters B, 2016, 30, 1650421.	1.0	33
39	Static analysis of functionally graded rectangular nanoplates based on nonlocal third order shear deformation theory. International Journal of Engineering and Applied Sciences, 2016, 8, 87-87.	0.1	3
40	Dynamic analysis of isotropic nanoplates subjected to moving load using state-space method based on nonlocal second order plate theory. Journal of Mechanical Science and Technology, 2015, 29, 2423-2426.	0.7	21
41	Thermal buckling analysis of functionally graded rectangular nanoplates based on nonlocal third-order shear deformation theory. Aerospace Science and Technology, 2015, 41, 7-15.	2.5	65
42	Free vibration of thick functionally graded carbon nanotube-reinforced rectangular composite plates based on three-dimensional elasticity theory via differential quadrature method. Advanced Composite Materials, 2015, 24, 439-450.	1.0	26
43	Free vibration analysis of rectangular nanoplates based on two-variable refined plate theory using a new strain gradient elasticity theory. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 313-324.	0.8	27
44	WAVE PROPAGATION IN RECTANGULAR NANOPLATES BASED ON STRAIN GRADIENT THEORY WITH ONE GRADIENT PARAMETER WITH CONSIDERING INITIAL STRESS. Modern Physics Letters B, 2014, 28, 1450021.	1.0	15
45	Resonance behavior of FG rectangular micro/nano plate based on nonlocal elasticity theory and strain gradient theory with one gradient constant. Composite Structures, 2014, 111, 349-353.	3.1	84
46	Investigating Bulk Waves in Orthotropic Rectangular Nanoplates Based on Three Dimensional Elasticity Theory and Nonlocal Elasticity Theory. Brazilian Journal of Physics, 2014, 44, 361-367.	0.7	8
47	Shock factor investigation in a 3-D finite element model under shock loading. Latin American Journal of Solids and Structures, 2013, 10, 941-952.	0.6	2
48	Static analysis of rectangular nanoplates using trigonometric shear deformation theory based on nonlocal elasticity theory. Beilstein Journal of Nanotechnology, 2013, 4, 968-973.	1.5	31
49	Harmonic differential quadrature method for static analysis of functionally graded single walled carbon nanotubes based on Euler-Bernoulli beam theory. Latin American Journal of Solids and Structures, 2012, 9, 633-641.	0.6	5
50	Static analysis of tapered nanowires based on nonlocal Euler-Bernoulli beam theory via differential quadrature method. Latin American Journal of Solids and Structures, 2012, 9, 1-10.	0.6	11
51	Two different types of differential quadrature methods for static analysis of microbeams based on nonlocal thermal elasticity theory in thermal environment. Archive of Applied Mechanics, 2012, 82, 669-675.	1.2	22
52	Static and free vibration analysis of carbon nano wires based on Timoshenko beam theory using differential quadrature method. Latin American Journal of Solids and Structures, 2011, 8, 463-472.	0.6	13
53	Free vibration analysis of functionally graded carbon nanotubes with variable thickness by differential quadrature method. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1602-1604.	1.3	73