Reza Nazemnezhad

List of Publications by Year
in descending order

44	1,132	586496	445137
papers	citations	16 h-index	33 g-index

44	44	44	626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of temperature on vibration of cracked single-walled carbon nanotubes embedded in an elastic medium under different boundary conditions. Mechanics Based Design of Structures and Machines, 2022, 50, 1614-1639.	3.4	6
2	Thermal stress effects on size-dependent nonlinear axial vibrations of nanorods exposed to magnetic fields surrounded by nonlinear elastic medium. Journal of Thermal Stresses, 2022, 45, 139-153.	1.1	4
3	Nonlinear nano-rod-type analysis of internal resonances and geometrically considering nonlocal and inertial effects in terms of Rayleigh axial vibrations. European Physical Journal Plus, 2022, 137, 1.	1.2	3
4	On the study of nonlocal effect on the internal resonances of axial oscillation of nanorods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	1
5	Three-Dimensional Thermal Stress Effects on Nonlinear Torsional Vibration of Carbon Nanotubes Embedded in an Elastic Medium. Nanoscale and Microscale Thermophysical Engineering, 2021, 25, 179-206.	1.4	4
6	Temperature change effect on torsional vibration of nanorods embedded in an elastic medium using Rayleighâ€“Ritz method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	7
7	Thermal stress and magnetic effects on nonlinear vibration of nanobeams embedded in nonlinear elastic medium. Journal of Thermal Stresses, 2020, 43, 1316-1332.	1.1	10
8	Torsional vibrations investigation of nonlinear nonlocal behavior in terms of functionally graded nanotubes. International Journal of Non-Linear Mechanics, 2020, 124, 103513.	1.4	15
9	Small scale and spin effects on free transverse vibration of size-dependent nano-scale beams. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	7
10	Surface energy effect on nonlinear free axial vibration and internal resonances of nanoscale rods. European Journal of Mechanics, A/Solids, 2019, 77, 103784.	2.1	10
11	Molecular dynamics simulation and size dependent cylindrical shell models for vibrations of spinning axially loaded carbon nanotubes. European Journal of Mechanics, A/Solids, 2019, 77, 103804.	2.1	8
12	Elastic effects on vibration of bilayer graphene sheets incorporating integrated VdWs interactions. Materials Research Express, 2018, 5, 035602.	0.8	1
13	Effect of nonlocal elasticity on vibration analysis of multi-layer graphene sheets using sandwich model. European Journal of Mechanics, A/Solids, 2018, 70, 75-85.	2.1	8
14	Interlayer effects of Van der Waals interactions on transverse vibrational behavior of bilayer graphene sheets. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	1
15	Interlayer influences between double-layer graphene nanoribbons (shear and tensile-compressive) on free vibration using nonlocal elasticity theory. Mechanics of Advanced Materials and Structures, 2018, 25, 225-237.	1.5	8
16	An analytical study on the size dependent longitudinal vibration analysis of thick nanorods. Materials Research Express, 2018, 5, 075016.	0.8	11
17	Study on tensile-compressive and shear effects of van der Waals interactions on free vibration of bilayer graphene nanoribbons. Meccanica, 2017, 52, 263-282.	1.2	7
18	Sandwich plate model of multilayer graphene sheets for considering interlayer shear effect in vibration analysis via molecular dynamics simulations. Applied Mathematical Modelling, 2017, 47, 459-472.	2.2	12

#	Article	IF	Citations
19	Free torsional vibration of cracked nanobeams incorporating surface energy effects. Applied Mathematics and Mechanics (English Edition), 2017, 38, 217-230.	1.9	12
20	Longitudinal vibrations of aluminum nanobeams by applying elastic moduli of bulk and surface: molecular dynamics simulation and continuum model. Materials Research Express, 2017, 4, 085036.	0.8	4
21	Effect of Peak Positioning Method on Accuracy of X-Ray Diffraction Residual Stress Measurement. Experimental Techniques, 2016, 40, 295-302.	0.9	8
22	Molecular dynamics simulation for interlayer interactions of graphene nanoribbons with multiple layers. Superlattices and Microstructures, 2016, 98, 228-234.	1.4	13
23	Buckling of FG circular/annular Mindlin nanoplates with an internal ring support using nonlocal elasticity. Applied Mathematical Modelling, 2016, 40, 3185-3210.	2.2	16
24	Nonlocal Reddy beam model for free vibration analysis of multilayer nanoribbons incorporating interlayer shear effect. European Journal of Mechanics, A/Solids, 2016, 55, 234-242.	2.1	18
25	Axisymmetric/asymmetric buckling of functionally graded circular/annular Mindlin nanoplates via nonlocal elasticity. Meccanica, 2015, 50, 1791-1806.	1.2	8
26	Nonlocal nonlinear free vibration of nanobeams with surface effects. European Journal of Mechanics, A/Solids, 2015, 52, 44-53.	2.1	49
27	Nonlocal Timoshenko beam model for considering shear effect of van der Waals interactions on free vibration of multilayer graphene nanoribbons. Composite Structures, 2015, 133, 522-528.	3.1	28
28	Natural frequency analysis of functionally graded rectangular nanoplates with different boundary conditions via an analytical method. Meccanica, 2015, 50, 2391-2408.	1.2	33
29	An analytical study on the buckling and free vibration of rectangular nanoplates using nonlocal third-order shear deformation plate theory. European Journal of Mechanics, A/Solids, 2015, 51, 29-43.	2.1	51
30	Nonlinear free vibration analysis of Timoshenko nanobeams with surface energy. Meccanica, 2015, 50, 1027-1044.	1.2	15
31	Surface effects on nonlinear free vibration of functionally graded nanobeams using nonlocal elasticity. Applied Mathematical Modelling, 2014, 38, 3538-3553.	2.2	73
32	Nonlocal nonlinear free vibration of functionally graded nanobeams. Composite Structures, 2014, 110, 192-199.	3.1	151
33	Dynamic behavior of thin and thick cracked nanobeams incorporating surface effects. Composites Part B: Engineering, 2014, 61, 66-72.	5.9	30
34	Surface effects on free vibration of piezoelectric functionally graded nanobeams using nonlocal elasticity. Acta Mechanica, 2014, 225, 1555-1564.	1.1	69
35	Sandwich beam model for free vibration analysis of bilayer graphene nanoribbons with interlayer shear effect. Journal of Applied Physics, 2014, 115, .	1.1	20
36	Free vibration analysis of multi-layer graphene nanoribbons incorporating interlayer shear effect via molecular dynamics simulations and nonlocal elasticity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3225-3232.	0.9	50

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37	Nonlinear free vibration of piezoelectric nanobeams incorporating surface effects. Smart Materials and Structures, 2014, 23, 035012.	1.8	12
38	An exact analytical solution for free vibration of functionally graded circular/annular Mindlin nanoplates via nonlocal elasticity. Composite Structures, 2013, 103, 108-118.	3.1	93
39	An analytical study on the nonlinear free vibration of functionally graded nanobeams incorporating surface effects. Composites Part B: Engineering, 2013, 52, 199-206.	5.9	92
40	An exact analytical approach for free vibration of Mindlin rectangular nano-plates via nonlocal elasticity. Composite Structures, 2013, 100, 290-299.	3.1	88
41	Buckling of circular/annular Mindlin nanoplates via nonlocal elasticity. Acta Mechanica, 2013, 224, 2663-2676.	1.1	36
42	An analytical study on the nonlinear free vibration of nanoscale beams incorporating surface density effects. Composites Part B: Engineering, 2012, 43, 2893-2897.	5.9	38
43	Effect of thermal axial load on vibration of cracked single-walled carbon nanotubes modelled as Timoshenko nanobeams using nonlocal theory. Australian Journal of Mechanical Engineering, 0, , 1-12.	1.5	2
44	Internal resonances of nanorods in presence of surface energy effect: Nonlinear torsional vibration. Mathematics and Mechanics of Solids, 0, , 108128652211023.	1.5	0