Reza Nazemnezhad

List of Publications by Year
in descending order

44 papers	1,132 citations	516710 16 h-index	395702 33 g-index
44 all docs	44 docs citations	44 times ranked	555 citing authors

#	Article	IF	Citations
1	Nonlocal nonlinear free vibration of functionally graded nanobeams. Composite Structures, 2014, 110, 192-199.	5.8	151
2	An exact analytical solution for free vibration of functionally graded circular/annular Mindlin nanoplates via nonlocal elasticity. Composite Structures, 2013, 103, 108-118.	5.8	93
3	An analytical study on the nonlinear free vibration of functionally graded nanobeams incorporating surface effects. Composites Part B: Engineering, 2013, 52, 199-206.	12.0	92
4	An exact analytical approach for free vibration of Mindlin rectangular nano-plates via nonlocal elasticity. Composite Structures, 2013, 100, 290-299.	5.8	88
5	Surface effects on nonlinear free vibration of functionally graded nanobeams using nonlocal elasticity. Applied Mathematical Modelling, 2014, 38, 3538-3553.	4.2	73
6	Surface effects on free vibration of piezoelectric functionally graded nanobeams using nonlocal elasticity. Acta Mechanica, 2014, 225, 1555-1564.	2.1	69
7	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.	3.7	51
8	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.	2.1	50
9	Nonlocal nonlinear free vibration of nanobeams with surface effects. European Journal of Mechanics, A/Solids, 2015, 52, 44-53.	3.7	49
10	An analytical study on the nonlinear free vibration of nanoscale beams incorporating surface density effects. Composites Part B: Engineering, 2012, 43, 2893-2897.	12.0	38
11	Buckling of circular/annular Mindlin nanoplates via nonlocal elasticity. Acta Mechanica, 2013, 224, 2663-2676.	2.1	36
12	Natural frequency analysis of functionally graded rectangular nanoplates with different boundary conditions via an analytical method. Meccanica, 2015, 50, 2391-2408.	2.0	33
13	Dynamic behavior of thin and thick cracked nanobeams incorporating surface effects. Composites Part B: Engineering, 2014, 61, 66-72.	12.0	30
14	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.	5.8	28
15	Sandwich beam model for free vibration analysis of bilayer graphene nanoribbons with interlayer shear effect. Journal of Applied Physics, 2014, 115, .	2.5	20
16	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.	3.7	18
17	Buckling of FG circular/annular Mindlin nanoplates with an internal ring support using nonlocal elasticity. Applied Mathematical Modelling, 2016, 40, 3185-3210.	4.2	16
18	Nonlinear free vibration analysis of Timoshenko nanobeams with surface energy. Meccanica, 2015, 50, 1027-1044.	2.0	15

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19	Torsional vibrations investigation of nonlinear nonlocal behavior in terms of functionally graded nanotubes. International Journal of Non-Linear Mechanics, 2020, 124, 103513.	2.6	15
20	Molecular dynamics simulation for interlayer interactions of graphene nanoribbons with multiple layers. Superlattices and Microstructures, 2016, 98, 228-234.	3.1	13
21	Nonlinear free vibration of piezoelectric nanobeams incorporating surface effects. Smart Materials and Structures, 2014, 23, 035012.	3.5	12
22	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.	4.2	12
23	Free torsional vibration of cracked nanobeams incorporating surface energy effects. Applied Mathematics and Mechanics (English Edition), 2017, 38, 217-230.	3.6	12
24	An analytical study on the size dependent longitudinal vibration analysis of thick nanorods. Materials Research Express, 2018, 5, 075016.	1.6	11
25	Surface energy effect on nonlinear free axial vibration and internal resonances of nanoscale rods. European Journal of Mechanics, A/Solids, 2019, 77, 103784.	3.7	10
26	Thermal stress and magnetic effects on nonlinear vibration of nanobeams embedded in nonlinear elastic medium. Journal of Thermal Stresses, 2020, 43, 1316-1332.	2.0	10
27	Axisymmetric/asymmetric buckling of functionally graded circular/annular Mindlin nanoplates via nonlocal elasticity. Meccanica, 2015, 50, 1791-1806.	2.0	8
28	Effect of Peak Positioning Method on Accuracy of X-Ray Diffraction Residual Stress Measurement. Experimental Techniques, 2016, 40, 295-302.	1.5	8
29	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.	3.7	8
30	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.	2.6	8
31	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.	3.7	8
32	Study on tensile-compressive and shear effects of van der Waals interactions on free vibration of bilayer graphene nanoribbons. Meccanica, 2017, 52, 263-282.	2.0	7
33	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.	1.6	7
34	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.	1.6	7
35	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.	4.7	6
36	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.	1.6	4

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37	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.	2.6	4
38	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.	2.0	4
39	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.	2.6	3
40	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.	2.1	2
41	Elastic effects on vibration of bilayer graphene sheets incorporating integrated VdWs interactions. Materials Research Express, 2018, 5, 035602.	1.6	1
42	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.	1.6	1
43	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.	1.6	1
44	Internal resonances of nanorods in presence of surface energy effect: Nonlinear torsional vibration. Mathematics and Mechanics of Solids, 0, , 108128652211023.	2.4	0