Moslem M Mohammadi

List of Publications by Year
in descending order

24 papers	1,556 citations	304602 22 h-index	610775 24 g-index
24 all docs	24 docs citations	24 times ranked	651 citing authors

#	Article	IF	Citations
1	Primary and secondary resonance analysis of FG/lipid nanoplate with considering porosity distribution based on a nonlinear elastic medium. Mechanics of Advanced Materials and Structures, 2020, 27, 1709-1730.	1.5	5
2	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
3	Vibration, buckling and smart control of microtubules using piezoelectric nanoshells under electric voltage in thermal environment. Physica B: Condensed Matter, 2017, 509, 100-114.	1.3	53
4	Vibration of piezoelectric nanofilmâ€based electromechanical sensors via higherâ€order nonâ€local strain gradient theory. Micro and Nano Letters, 2016, 11, 302-307.	0.6	47
5	Hygro-mechanical vibration analysis of a rotating viscoelastic nanobeam embedded in a visco-Pasternak elastic medium and in a nonlinear thermal environment. Acta Mechanica, 2016, 227, 2207-2232.	1.1	68
6	Dynamic and Stability Analysis of the Rotating Nanobeam in a Nonuniform Magnetic Field Considering the Surface Energy. International Journal of Applied Mechanics, 2016, 08, 1650048.	1.3	25
7	A higher-order nonlocal strain gradient plate model for buckling of orthotropic nanoplates in thermal environment. Acta Mechanica, 2016, 227, 1849-1867.	1.1	145
8	Nonlocal nonlinear plate model for large amplitude vibration of magneto-electro-elastic nanoplates. Composite Structures, 2016, 140, 323-336.	3.1	144
9	Nanoscale mass detection based on vibrating piezoelectric ultrathin films under thermo-electro-mechanical loads. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 68, 112-122.	1.3	49
10	Shear buckling of orthotropic rectangular graphene sheet embedded in an elastic medium in thermal environment. Composites Part B: Engineering, 2014, 56, 629-637.	5.9	84
11	Surface effects on the mechanical characteristics of microtubule networks in living cells. Mechanics Research Communications, 2014, 57, 18-26.	1.0	43
12	Influence of initial stress on the vibration of double-piezoelectric-nanoplate systems with various boundary conditions using DQM. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 63, 169-179.	1.3	49
13	Numerical study of the effect of shear in-plane load on the vibration analysis of graphene sheet embedded in an elastic medium. Computational Materials Science, 2014, 82, 510-520.	1.4	24
14	Nonlinear vibration analysis of piezoelectric nanoelectromechanical resonators based on nonlocal elasticity theory. Composite Structures, 2014, 116, 703-712.	3.1	72
15	Exact solution for thermo-mechanical vibration of orthotropic mono-layer graphene sheet embedded in an elastic medium. Latin American Journal of Solids and Structures, 2014, 11, 437-458.	0.6	33
16	Thermo-mechanical vibration analysis of annular and circular graphene sheet embedded in an elastic medium. Latin American Journal of Solids and Structures, 2014, 11, 659-682.	0.6	33
17	Influence of in-plane pre-load on the vibration frequency of circular graphene sheet via nonlocal continuum theory. Composites Part B: Engineering, 2013, 51, 121-129.	5.9	45
18	Free transverse vibration analysis of circular and annular graphene sheets with various boundary conditions using the nonlocal continuum plate model. Composites Part B: Engineering, 2013, 45, 32-42.	5.9	110

#	Article	IF	Citations
19	Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics. Composite Structures, 2012, 94, 1605-1615.	3.1	122
20	Axial vibration analysis of a tapered nanorod based on nonlocal elasticity theory and differential quadrature method. Mechanics Research Communications, 2012, 39, 23-27.	1.0	145
21	Buckling analysis of variable thickness nanoplates using nonlocal continuum mechanics. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 719-727.	1.3	77
22	Vibration analysis of nanorings using nonlocal continuum mechanics and shear deformable ring theory. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 135-140.	1.3	33
23	Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1820-1825.	1.3	90
24	Bending analysis of thick orthotropic sector plates with various loading and boundary conditions. Composite Structures, 2009, 88, 212-218.	3.1	29