

# Moslem M Mohammadi

## List of Publications by Year in descending order

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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	Axial vibration analysis of a tapered nanorod based on nonlocal elasticity theory and differential quadrature method. <i>Mechanics Research Communications</i> , 2012, 39, 23-27.	1.0	145
2	A higher-order nonlocal strain gradient plate model for buckling of orthotropic nanoplates in thermal environment. <i>Acta Mechanica</i> , 2016, 227, 1849-1867.	1.1	145
3	Nonlocal nonlinear plate model for large amplitude vibration of magneto-electro-elastic nanoplates. <i>Composite Structures</i> , 2016, 140, 323-336.	3.1	144
4	Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics. <i>Composite Structures</i> , 2012, 94, 1605-1615.	3.1	122
5	Free transverse vibration analysis of circular and annular graphene sheets with various boundary conditions using the nonlocal continuum plate model. <i>Composites Part B: Engineering</i> , 2013, 45, 32-42.	5.9	110
6	Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1820-1825.	1.3	90
7	Shear buckling of orthotropic rectangular graphene sheet embedded in an elastic medium in thermal environment. <i>Composites Part B: Engineering</i> , 2014, 56, 629-637.	5.9	84
8	Buckling analysis of variable thickness nanoplates using nonlocal continuum mechanics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 719-727.	1.3	77
9	Nonlinear vibration analysis of piezoelectric nanoelectromechanical resonators based on nonlocal elasticity theory. <i>Composite Structures</i> , 2014, 116, 703-712.	3.1	72
10	Hygro-mechanical vibration analysis of a rotating viscoelastic nanobeam embedded in a visco-Pasternak elastic medium and in a nonlinear thermal environment. <i>Acta Mechanica</i> , 2016, 227, 2207-2232.	1.1	68
11	Vibration, buckling and smart control of microtubules using piezoelectric nanoshells under electric voltage in thermal environment. <i>Physica B: Condensed Matter</i> , 2017, 509, 100-114.	1.3	53
12	Influence of initial stress on the vibration of double-piezoelectric-nanoplate systems with various boundary conditions using DQM. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 63, 169-179.	1.3	49
13	Nanoscale mass detection based on vibrating piezoelectric ultrathin films under thermo-electro-mechanical loads. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 112-122.	1.3	49
14	Vibration of piezoelectric nanofilm-based electromechanical sensors via higher-order nonlocal strain gradient theory. <i>Micro and Nano Letters</i> , 2016, 11, 302-307.	0.6	47
15	Influence of in-plane pre-load on the vibration frequency of circular graphene sheet via nonlocal continuum theory. <i>Composites Part B: Engineering</i> , 2013, 51, 121-129.	5.9	45
16	Surface effects on the mechanical characteristics of microtubule networks in living cells. <i>Mechanics Research Communications</i> , 2014, 57, 18-26.	1.0	43
17	Vibration analysis of nanorings using nonlocal continuum mechanics and shear deformable ring theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 135-140.	1.3	33
18	Exact solution for thermo-mechanical vibration of orthotropic mono-layer graphene sheet embedded in an elastic medium. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 437-458.	0.6	33

#	ARTICLE	IF	CITATIONS
19	Thermo-mechanical vibration analysis of annular and circular graphene sheet embedded in an elastic medium. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 659-682.	0.6	33
20	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
21	Bending analysis of thick orthotropic sector plates with various loading and boundary conditions. <i>Composite Structures</i> , 2009, 88, 212-218.	3.1	29
22	Dynamic and Stability Analysis of the Rotating Nanobeam in a Nonuniform Magnetic Field Considering the Surface Energy. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650048.	1.3	25
23	Numerical study of the effect of shear in-plane load on the vibration analysis of graphene sheet embedded in an elastic medium. <i>Computational Materials Science</i> , 2014, 82, 510-520.	1.4	24
24	Primary and secondary resonance analysis of FG/lipid nanoplate with considering porosity distribution based on a nonlinear elastic medium. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 1709-1730.	1.5	5