

Reza Ansari

List of Publications by Year in descending order

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663
papers

18,653
citations

16437

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664
all docs

664
docs citations

664
times ranked

5610
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlocal plate model for free vibrations of single-layered graphene sheets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 375, 53-62.	0.9	369
2	Free vibration analysis of size-dependent functionally graded microbeams based on the strain gradient Timoshenko beam theory. <i>Composite Structures</i> , 2011, 94, 221-228.	3.1	278
3	Bending behavior and buckling of nanobeams including surface stress effects corresponding to different beam theories. <i>International Journal of Engineering Science</i> , 2011, 49, 1244-1255.	2.7	204
4	An analytical model for elastic modulus calculation of SiC whisker-reinforced hybrid metal matrix nanocomposite containing SiC nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 767, 632-641.	2.8	191
5	Nonlinear forced vibration analysis of functionally graded carbon nanotube-reinforced composite Timoshenko beams. <i>Composite Structures</i> , 2014, 113, 316-327.	3.1	178
6	Nonlocal finite element model for vibrations of embedded multi-layered graphene sheets. <i>Computational Materials Science</i> , 2010, 49, 831-838.	1.4	163
7	Mechanical properties of defective single-layered graphene sheets via molecular dynamics simulation. <i>Superlattices and Microstructures</i> , 2012, 51, 274-289.	1.4	158
8	Calibration of the analytical nonlocal shell model for vibrations of double-walled carbon nanotubes with arbitrary boundary conditions using molecular dynamics. <i>International Journal of Mechanical Sciences</i> , 2011, 53, 786-792.	3.6	152
9	Evaluation of nonlocal parameter in the vibrations of single-walled carbon nanotubes with initial strain. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2058-2064.	1.3	150
10	Numerical study on the buckling and vibration of functionally graded carbon nanotube-reinforced composite conical shells under axial loading. <i>Composites Part B: Engineering</i> , 2016, 95, 196-208.	5.9	147
11	Surface stress effects on the free vibration behavior of nanoplates. <i>International Journal of Engineering Science</i> , 2011, 49, 1204-1215.	2.7	143
12	Vibration characteristics of embedded multi-layered graphene sheets with different boundary conditions via nonlocal elasticity. <i>Composite Structures</i> , 2011, 93, 2419-2429.	3.1	143
13	Small scale effect on vibrational response of single-walled carbon nanotubes with different boundary conditions based on nonlocal beam models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1965-1979.	1.7	142
14	New exact solutions of nonlinear conformable time-fractional Boussinesq equations using the modified Kudryashov method. <i>Waves in Random and Complex Media</i> , 2017, 27, 628-636.	1.6	142
15	Size-dependent bending, buckling and free vibration of functionally graded Timoshenko microbeams based on the most general strain gradient theory. <i>Composite Structures</i> , 2013, 100, 385-397.	3.1	140
16	Creep performance of CNT polymer nanocomposites -An emphasis on viscoelastic interphase and CNT agglomeration. <i>Composites Part B: Engineering</i> , 2019, 168, 274-281.	5.9	139
17	On the free vibration response of functionally graded higher-order shear deformable microplates based on the strain gradient elasticity theory. <i>Composite Structures</i> , 2013, 95, 430-442.	3.1	135
18	Size-dependent nonlinear forced vibration analysis of magneto-electro-thermo-elastic Timoshenko nanobeams based upon the nonlocal elasticity theory. <i>Composite Structures</i> , 2015, 126, 216-226.	3.1	133

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19	Buckling and vibration analysis of embedded functionally graded carbon nanotube-reinforced composite annular sector plates under thermal loading. <i>Composites Part B: Engineering</i> , 2017, 109, 197-213.	5.9	131
20	Modified Kudryashov method for solving the conformable time-fractional Klein-Gordon equations with quadratic and cubic nonlinearities. <i>Optik</i> , 2017, 130, 737-742.	1.4	125
21	Nonlinear harmonically excited vibration of third-order shear deformable functionally graded graphene platelet-reinforced composite rectangular plates. <i>Engineering Structures</i> , 2018, 156, 197-209.	2.6	123
22	Analytical solution for nonlinear postbuckling of functionally graded carbon nanotube-reinforced composite shells with piezoelectric layers. <i>Composites Part B: Engineering</i> , 2016, 90, 267-277.	5.9	121
23	Prediction of electrical conductivity of carbon fiber-carbon nanotube-reinforced polymer hybrid composites. <i>Composites Part B: Engineering</i> , 2019, 167, 728-735.	5.9	119
24	Prediction of biaxial buckling behavior of single-layered graphene sheets based on nonlocal plate models and molecular dynamics simulations. <i>Applied Mathematical Modelling</i> , 2013, 37, 7338-7351.	2.2	114
25	Dynamic stability analysis of functionally graded higher-order shear deformable microshells based on the modified couple stress elasticity theory. <i>Composites Part B: Engineering</i> , 2013, 51, 44-53.	5.9	110
26	Rayleigh-Ritz axial buckling analysis of single-walled carbon nanotubes with different boundary conditions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1255-1263.	0.9	105
27	An exact solution for the nonlinear forced vibration of functionally graded nanobeams in thermal environment based on surface elasticity theory. <i>Thin-Walled Structures</i> , 2015, 93, 169-176.	2.7	103
28	Thermo-electro-mechanical vibration of postbuckled piezoelectric Timoshenko nanobeams based on the nonlocal elasticity theory. <i>Composites Part B: Engineering</i> , 2016, 89, 316-327.	5.9	101
29	Bending, buckling and free vibration analysis of size-dependent functionally graded circular/annular microplates based on the modified strain gradient elasticity theory. <i>European Journal of Mechanics, A/Solids</i> , 2015, 49, 251-267.	2.1	100
30	New exact solutions of the conformable time-fractional Cahn-Allen and Cahn-Hilliard equations using the modified Kudryashov method. <i>Optik</i> , 2017, 132, 203-209.	1.4	100
31	Atomistic finite element model for axial buckling and vibration analysis of single-layered graphene sheets. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 764-772.	1.3	95
32	Nonlinear free vibration analysis of functionally graded third-order shear deformable microbeams based on the modified strain gradient elasticity theory. <i>Composite Structures</i> , 2014, 110, 219-230.	3.1	95
33	Variational differential quadrature: A technique to simplify numerical analysis of structures. <i>Applied Mathematical Modelling</i> , 2017, 49, 705-738.	2.2	91
34	Vibrational analysis of functionally graded carbon nanotube-reinforced composite spherical shells resting on elastic foundation using the variational differential quadrature method. <i>European Journal of Mechanics, A/Solids</i> , 2016, 60, 166-182.	2.1	89
35	Nonlocal and surface effects on the buckling behavior of functionally graded nanoplates: An isogeometric analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 84, 84-97.	1.3	88
36	Vibration analysis of single-walled carbon nanotubes using different gradient elasticity theories. <i>Composites Part B: Engineering</i> , 2012, 43, 2985-2989.	5.9	87

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37	Large deflection geometrically nonlinear analysis of functionally graded multilayer graphene platelet-reinforced polymer composite rectangular plates. <i>Composite Structures</i> , 2017, 180, 760-771.	3.1	87
38	Size dependent buckling analysis of functionally graded piezoelectric cylindrical nanoshell. <i>Composite Structures</i> , 2016, 152, 45-61.	3.1	86
39	Finite element analysis of nano-scale Timoshenko beams using the integral model of nonlocal elasticity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 88, 194-200.	1.3	86
40	Atomistic finite element model for axial buckling of single-walled carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 43, 58-69.	1.3	83
41	Nonlinear analysis of forced vibration of nonlocal third-order shear deformable beam model of magneto-electro-thermo elastic nanobeams. <i>Composites Part B: Engineering</i> , 2015, 83, 226-241.	5.9	83
42	Nonlinear vibrations of functionally graded Mindlin microplates based on the modified couple stress theory. <i>Composite Structures</i> , 2014, 114, 124-134.	3.1	82
43	Forced vibration analysis of functionally graded carbon nanotube-reinforced composite plates using a numerical strategy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 69, 294-305.	1.3	81
44	Size-dependent thermo-mechanical vibration and instability of conveying fluid functionally graded nanoshells based on Mindlin's strain gradient theory. <i>Thin-Walled Structures</i> , 2016, 105, 172-184.	2.7	81
45	Isogeometric vibration analysis of functionally graded nanoplates with the consideration of nonlocal and surface effects. <i>Thin-Walled Structures</i> , 2018, 127, 354-372.	2.7	80
46	Geometrically nonlinear free vibration and instability of fluid-conveying nanoscale pipes including surface stress effects. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	1.0	79
47	New explicit exact solutions of the unstable nonlinear Schrödinger's equation using the exp a and hyperbolic function methods. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	79
48	Numerical study on the thermal buckling analysis of CNT-reinforced composite plates with different shapes based on the higher-order shear deformation theory. <i>European Journal of Mechanics, A/Solids</i> , 2019, 73, 144-160.	2.1	78
49	A review of size-dependent continuum mechanics models for micro- and nano-structures. <i>Thin-Walled Structures</i> , 2022, 170, 108562.	2.7	78
50	Axial buckling analysis of single-walled carbon nanotubes in thermal environments via the Rayleigh-Ritz technique. <i>Computational Materials Science</i> , 2011, 50, 3050-3055.	1.4	77
51	Nonlocal Timoshenko beam model for the large-amplitude vibrations of embedded multiwalled carbon nanotubes including thermal effects. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1171-1178.	1.3	77
52	Three-dimensional bending and vibration analysis of functionally graded nanoplates by a novel differential quadrature-based approach. <i>Composite Structures</i> , 2015, 131, 753-764.	3.1	76
53	Size-dependent geometrically nonlinear free vibration analysis of fractional viscoelastic nanobeams based on the nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 75, 266-271.	1.3	76
54	Analytical formulation for electrical conductivity and percolation threshold of epoxy multiscale nanocomposites reinforced with chopped carbon fibers and wavy carbon nanotubes considering tunneling resistivity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 126, 105616.	3.8	76

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55	Micromechanical investigation of creep-recovery behavior of carbon nanotube-reinforced polymer nanocomposites. <i>International Journal of Mechanical Sciences</i> , 2016, 115-116, 45-55.	3.6	75
56	Size-Dependent Nonlinear Vibrations of First-Order Shear Deformable Magneto-Electro-Thermo Elastic Nanoplates Based on the Nonlocal Elasticity Theory. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650053.	1.3	75
57	Size-dependent vibration and instability of fluid-conveying functionally graded microshells based on the modified couple stress theory. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 509-522.	1.0	73
58	Nonlinear stability and vibration of pre/post-buckled multilayer FG-GPLRPC rectangular plates. <i>Applied Mathematical Modelling</i> , 2019, 65, 627-660.	2.2	73
59	On the forced vibration analysis of Timoshenko nanobeams based on the surface stress elasticity theory. <i>Composites Part B: Engineering</i> , 2014, 60, 158-166.	5.9	71
60	Vibrations of single- and double-walled carbon nanotubes with layerwise boundary conditions: A molecular dynamics study. <i>Current Applied Physics</i> , 2012, 12, 707-711.	1.1	70
61	Vibration and buckling of first-order shear deformable circular cylindrical micro-/nano-shells based on Mindlin's strain gradient elasticity theory. <i>European Journal of Mechanics, A/Solids</i> , 2016, 58, 76-88.	2.1	68
62	Micromechanical analysis of carbon nanotube-coated fiber-reinforced hybrid composites. <i>International Journal of Engineering Science</i> , 2018, 130, 215-229.	2.7	68
63	Nonlinear vibration analysis of Timoshenko nanobeams based on surface stress elasticity theory. <i>European Journal of Mechanics, A/Solids</i> , 2014, 45, 143-152.	2.1	67
64	Exact solutions of some nonlinear systems of partial differential equations by using the first integral method. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 387, 807-814.	0.5	66
65	Thermal postbuckling behavior of size-dependent functionally graded Timoshenko microbeams. <i>International Journal of Non-Linear Mechanics</i> , 2013, 50, 127-135.	1.4	66
66	Free vibration of fractional viscoelastic Timoshenko nanobeams using the nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 74, 318-327.	1.3	66
67	Surface effects on the nonlinear forced vibration response of third-order shear deformable nanobeams. <i>Composite Structures</i> , 2014, 118, 149-158.	3.1	65
68	Nonlocal free vibration in the pre- and post-buckled states of magneto-electro-thermo elastic rectangular nanoplates with various edge conditions. <i>Smart Materials and Structures</i> , 2016, 25, 095033.	1.8	65
69	Exact solutions of nonlinear conformable time-fractional Boussinesq equations using the $\exp(-\phi \left(\int \epsilon \right) \right)$ expansion method. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	65
70	A comprehensive study on the free vibration of arbitrary shaped thick functionally graded CNT-reinforced composite plates. <i>Engineering Structures</i> , 2019, 181, 653-669.	2.6	65
71	Fracture analysis of monolayer graphene sheets with double vacancy defects via MD simulation. <i>Solid State Communications</i> , 2011, 151, 1141-1146.	0.9	64
72	Postbuckling characteristics of nanobeams based on the surface elasticity theory. <i>Composites Part B: Engineering</i> , 2013, 55, 240-246.	5.9	64

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73	Size-dependent vibration of functionally graded curved microbeams based on the modified strain gradient elasticity theory. <i>Archive of Applied Mechanics</i> , 2013, 83, 1439-1449.	1.2	64
74	Surface energy effects on the free vibration characteristics of postbuckled third-order shear deformable nanobeams. <i>Composite Structures</i> , 2014, 116, 552-561.	3.1	64
75	Vibration and buckling characteristics of functionally graded nanoplates subjected to thermal loading based on surface elasticity theory. <i>Acta Astronautica</i> , 2015, 109, 42-51.	1.7	64
76	Micromechanical modeling of thermal expansion coefficients for unidirectional glass fiber-reinforced polyimide composites containing silica nanoparticles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 96, 110-121.	3.8	64
77	Size-dependent buckling analysis of functionally graded third-order shear deformable microbeams including thermal environment effect. <i>Applied Mathematical Modelling</i> , 2013, 37, 9499-9515.	2.2	62
78	Axisymmetric nonlinear vibration analysis of sandwich annular plates with FG-CNTRC face sheets based on the higher-order shear deformation plate theory. <i>Aerospace Science and Technology</i> , 2018, 77, 306-319.	2.5	62
79	Micromechanics-based viscoelastic analysis of carbon nanotube-reinforced composites subjected to uniaxial and biaxial loading. <i>Composites Part B: Engineering</i> , 2016, 90, 512-522.	5.9	61
80	Postbuckling analysis of Timoshenko nanobeams including surface stress effect. <i>International Journal of Engineering Science</i> , 2014, 75, 1-10.	2.7	60
81	Size-dependent axial buckling analysis of functionally graded circular cylindrical microshells based on the modified strain gradient elasticity theory. <i>Meccanica</i> , 2014, 49, 1679-1695.	1.2	60
82	Size-dependent free vibration analysis of nanoshells based on the surface stress elasticity. <i>Applied Mathematical Modelling</i> , 2016, 40, 3128-3140.	2.2	60
83	Surface effect on the large amplitude periodic forced vibration of first-order shear deformable rectangular nanoplates with various edge supports. <i>Acta Astronautica</i> , 2016, 118, 72-89.	1.7	60
84	Prediction of dynamic behaviour of FGM shells under arbitrary boundary conditions. <i>Composite Structures</i> , 2008, 85, 284-292.	3.1	59
85	Nonlocal beam models for buckling of nanobeams using state-space method regarding different boundary conditions. <i>Journal of Mechanical Science and Technology</i> , 2011, 25, 2365-2375.	0.7	59
86	Mechanical properties of defective \hat{I}^3 -graphyne using molecular dynamics simulations. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 561, 34-39.	2.6	59
87	On the size dependent buckling of anisotropic piezoelectric cylindrical shells under combined axial compression and lateral pressure. <i>International Journal of Mechanical Sciences</i> , 2016, 119, 155-169.	3.6	59
88	Size-dependent nonlinear mechanical behavior of third-order shear deformable functionally graded microbeams using the variational differential quadrature method. <i>Composite Structures</i> , 2016, 136, 669-683.	3.1	59
89	Bright and singular soliton solutions of the conformable time-fractional Klein-Gordon equations with different nonlinearities. <i>Waves in Random and Complex Media</i> , 2018, 28, 426-434.	1.6	58
90	Bending analysis of embedded nanoplates based on the integral formulation of Eringen's nonlocal theory using the finite element method. <i>Physica B: Condensed Matter</i> , 2018, 534, 90-97.	1.3	57

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91	Vibration analysis of functionally graded carbon nanotube-reinforced composite elliptical plates using a numerical strategy. <i>Aerospace Science and Technology</i> , 2017, 60, 152-161.	2.5	56
92	Effect of nanoparticle aggregation on the creep behavior of polymer nanocomposites. <i>Composites Science and Technology</i> , 2018, 162, 93-100.	3.8	56
93	Surface stress effect on the pull-in instability of circular nanoplates. <i>Acta Astronautica</i> , 2014, 102, 140-150.	1.7	55
94	Nonlinear resonant dynamics of geometrically imperfect higher-order shear deformable functionally graded carbon-nanotube reinforced composite beams. <i>Composite Structures</i> , 2017, 174, 45-58.	3.1	55
95	Dynamic analysis of multi-layered filament-wound composite pipes subjected to cyclic internal pressure and cyclic temperature. <i>Composite Structures</i> , 2010, 92, 1100-1109.	3.1	54
96	Mechanical properties of two-dimensional graphyne sheet under hydrogen adsorption. <i>Solid State Communications</i> , 2012, 152, 1885-1889.	0.9	54
97	Size-Dependent Buckling and Postbuckling Analyses of First-Order Shear Deformable Magneto-Electro-Thermo Elastic Nanoplates Based on the Nonlocal Elasticity Theory. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1750014.	1.5	54
98	Pre-buckling responses of Timoshenko nanobeams based on the integral and differential models of nonlocal elasticity: an isogeometric approach. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	54
99	Thermal conductivity of shape memory polymer nanocomposites containing carbon nanotubes: A micromechanical approach. <i>Composites Part B: Engineering</i> , 2019, 162, 167-177.	5.9	54
100	Size-dependent modeling of the free vibration characteristics of postbuckled third-order shear deformable rectangular nanoplates based on the surface stress elasticity theory. <i>Composites Part B: Engineering</i> , 2016, 95, 301-316.	5.9	53
101	Nonlinear free vibration analysis of thermally induced FG-CNTRC annular plates: Asymmetric versus axisymmetric study. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 324, 327-347.	3.4	53
102	Linear and nonlinear vibrations of fractional viscoelastic Timoshenko nanobeams considering surface energy effects. <i>Applied Mathematical Modelling</i> , 2017, 43, 337-350.	2.2	53
103	Thermo-mechanical properties of shape memory polymer nanocomposites reinforced by carbon nanotubes. <i>Mechanics of Materials</i> , 2019, 129, 80-98.	1.7	53
104	Size-dependent nonlinear vibration and instability of embedded fluid-conveying SWBNNTs in thermal environment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 61, 148-157.	1.3	52
105	Surface stress effect on the vibration and instability of nanoscale pipes conveying fluid based on a size-dependent Timoshenko beam model. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2015, 31, 708-719.	1.5	52
106	Vibrational analysis of carbon nanotube-reinforced composite quadrilateral plates subjected to thermal environments using a weak formulation of elasticity. <i>Composite Structures</i> , 2016, 139, 167-187.	3.1	52
107	Bending of Euler-Bernoulli nanobeams based on the strain-driven and stress-driven nonlocal integral models: a numerical approach. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018, 34, 871-882.	1.5	52
108	Free vibration analysis of embedded functionally graded carbon nanotube-reinforced composite conical/cylindrical shells and annular plates using a numerical approach. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 1123-1144.	1.5	52

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109	The thermal effect on nonlinear oscillations of carbon nanotubes with arbitrary boundary conditions. <i>Current Applied Physics</i> , 2011, 11, 692-697.	1.1	50
110	Nonlinear vibrations of embedded multi-walled carbon nanotubes using a variational approach. <i>Mathematical and Computer Modelling</i> , 2011, 53, 927-938.	2.0	50
111	A most general strain gradient plate formulation for size-dependent geometrically nonlinear free vibration analysis of functionally graded shear deformable rectangular microplates. <i>Nonlinear Dynamics</i> , 2016, 84, 2403-2422.	2.7	50
112	Multi-scale bending, buckling and vibration analyses of carbon fiber/carbon nanotube-reinforced polymer nanocomposite plates with various shapes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 17-25.	1.3	50
113	A sixth-order compact finite difference method for vibrational analysis of nanobeams embedded in an elastic medium based on nonlocal beam theory. <i>Mathematical and Computer Modelling</i> , 2011, 54, 2577-2586.	2.0	49
114	Study of Small Scale Effects on the Nonlinear Vibration Response of Functionally Graded Timoshenko Microbeams Based on the Strain Gradient Theory. <i>Journal of Computational and Nonlinear Dynamics</i> , 2012, 7, .	0.7	49
115	Effect of low density, low strength polyurethane foam on the energy absorption characteristics of circumferentially grooved thick-walled circular tubes. <i>Thin-Walled Structures</i> , 2013, 71, 81-90.	2.7	49
116	Nonlinear dynamic buckling of imperfect rectangular plates with different boundary conditions subjected to various pulse functions using the Galerkin method. <i>Thin-Walled Structures</i> , 2015, 94, 577-584.	2.7	49
117	On the Nonlinear Vibrations of Polymer Nanocomposite Rectangular Plates Reinforced by Graphene Nanoplatelets: A Unified Higher-Order Shear Deformable Model. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 603-620.	0.8	49
118	New extended direct algebraic method for the resonant nonlinear Schrödinger equation with Kerr law nonlinearity. <i>Optik</i> , 2021, 227, 165936.	1.4	49
119	Nonlinear vibration analysis of fractional viscoelastic Euler-Bernoulli nanobeams based on the surface stress theory. <i>Acta Mechanica Solida Sinica</i> , 2017, 30, 416-424.	1.0	48
120	New exact solutions of the Tzitzica-type equations in non-linear optics using the exponential function method. <i>Journal of Modern Optics</i> , 2018, 65, 847-851.	0.6	48
121	Nonlinear vibration response of higher-order shear deformable FG-CNTRC conical shells. <i>Composite Structures</i> , 2019, 222, 110906.	3.1	48
122	The effect of nanoparticle conglomeration on the overall conductivity of nanocomposites. <i>International Journal of Engineering Science</i> , 2020, 157, 103392.	2.7	48
123	A new micromechanical method for the analysis of thermal conductivities of unidirectional fiber/CNT-reinforced polymer hybrid nanocomposites. <i>Composites Part B: Engineering</i> , 2019, 175, 107137.	5.9	47
124	Buckling analysis of axially-loaded functionally graded carbon nanotube-reinforced composite conical panels using a novel numerical variational method. <i>Composite Structures</i> , 2016, 157, 398-411.	3.1	46
125	Evaluation of effective properties of piezoelectric hybrid composites containing carbon nanotubes. <i>Mechanics of Materials</i> , 2019, 129, 63-79.	1.7	46
126	Explicit analytical expressions for the critical buckling stresses in a monolayer graphene sheet based on nonlocal elasticity. <i>Solid State Communications</i> , 2012, 152, 56-59.	0.9	45

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127	Nonlocal beam theory for nonlinear vibrations of embedded multiwalled carbon nanotubes in thermal environment. <i>Nonlinear Dynamics</i> , 2012, 67, 2241-2254.	2.7	44
128	Large-amplitude free vibrations of functionally graded beams by means of a finite element formulation. <i>Applied Mathematical Modelling</i> , 2013, 37, 8495-8504.	2.2	44
129	Nonlinear primary resonance of third-order shear deformable functionally graded nanocomposite rectangular plates reinforced by carbon nanotubes. <i>Composite Structures</i> , 2016, 154, 707-723.	3.1	44
130	A unified nonlocal nonlinear higher-order shear deformable plate model for postbuckling analysis of piezoelectric-piezomagnetic rectangular nanoplates with various edge supports. <i>Composite Structures</i> , 2017, 166, 202-218.	3.1	44
131	Size-dependent nonlinear bending and postbuckling of functionally graded Mindlin rectangular microplates considering the physical neutral plane position. <i>Composite Structures</i> , 2015, 127, 87-98.	3.1	43
132	Axial Buckling and Dynamic Stability of Functionally Graded Microshells Based on the Modified Couple Stress Theory. <i>International Journal of Structural Stability and Dynamics</i> , 2015, 15, 1450070.	1.5	43
133	A comprehensive evaluation of piezoresistive response and percolation behavior of multiscale polymer-based nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 130, 105735.	3.8	43
134	Free vibration analysis of postbuckled arbitrary-shaped FG-GPL-reinforced porous nanocomposite plates. <i>Thin-Walled Structures</i> , 2021, 163, 107701.	2.7	43
135	Dynamic analysis of composite cylindrical shells using differential quadrature method (DQM). <i>Composite Structures</i> , 2007, 78, 292-298.	3.1	42
136	Continuum and molecular dynamics study of C60 fullerene-carbon nanotube oscillators. <i>Mechanics Research Communications</i> , 2013, 47, 18-23.	1.0	41
137	Prediction of the biaxial buckling and vibration behavior of graphene via a nonlocal atomistic-based plate theory. <i>Composite Structures</i> , 2013, 95, 88-94.	3.1	41
138	On the free vibrations of grid-stiffened composite cylindrical shells. <i>Acta Mechanica</i> , 2014, 225, 609-623.	1.1	41
139	On the bending and buckling behaviors of Mindlin nanoplates considering surface energies. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 57, 126-137.	1.3	41
140	Geometrically nonlinear resonance of higher-order shear deformable functionally graded carbon-nanotube-reinforced composite annular sector plates excited by harmonic transverse loading. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	41
141	Nonlinear bending analysis of arbitrary-shaped porous nanocomposite plates using a novel numerical approach. <i>International Journal of Non-Linear Mechanics</i> , 2020, 126, 103556.	1.4	41
142	A nonlinear Timoshenko beam formulation based on strain gradient theory. <i>Journal of Mechanics of Materials and Structures</i> , 2012, 7, 195-211.	0.4	40
143	Mechanical properties of multilayer boron nitride with different stacking orders. <i>Superlattices and Microstructures</i> , 2013, 53, 223-231.	1.4	40
144	Thermal Buckling Analysis of Embedded Single-Walled Carbon Nanotubes with Arbitrary Boundary Conditions Using the Nonlocal Timoshenko Beam Theory. <i>Journal of Thermal Stresses</i> , 2011, 34, 1271-1281.	1.1	39

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