Mohammad Reza Barati

List of Publications by Citations

148 papers	4,521 citations	38 h-index	60 g-index
148 ext. papers	5,022 ext. citations	2.6 avg, IF	7.14 L-index

#	Paper	IF	Citations
148	A nonlocal strain gradient theory for wave propagation analysis in temperature-dependent inhomogeneous nanoplates. *International Journal of Engineering Science*, **2016**, 107, 169-182	5.7	234
147	Hygrothermal effects on vibration characteristics of viscoelastic FG nanobeams based on nonlocal strain gradient theory. *Composite Structures*, **2017**, 159, 433-444	5.3	156
146	A nonlocal higher-order refined magneto-electro-viscoelastic beam model for dynamic analysis of smart nanostructures. *International Journal of Engineering Science*, **2016**, 107, 183-196	5.7	131
145	A nonlocal strain gradient refined beam model for buckling analysis of size-dependent shear-deformable curved FG nanobeams. *Composite Structures*, **2017**, 159, 174-182	5.3	126
144	Vibration analysis of smart piezoelectrically actuated nanobeams subjected to magneto-electrical field in thermal environment. *JVC/Journal of Vibration and Control*, **2018**, 24, 549-564	2	113
143	A Nonlocal Higher-Order Shear Deformation Beam Theory for Vibration Analysis of Size-Dependent Functionally Graded Nanobeams. *Arabian Journal for Science and Engineering*, **2016**, 41, 1679-1690		112
142	Vibration analysis of porous functionally graded nanoplates. *International Journal of Engineering Science*, **2017**, 120, 82-99	5.7	104
141	Vibration analysis of nonlocal beams made of functionally graded material in thermal environment. *European Physical Journal Plus*, **2016**, 131, 1	3.1	103
140	Application of Chebyshev–Ritz method for static stability and vibration analysis of nonlocal microstructure-dependent nanostructures. *Engineering With Computers*, **2020**, 36, 953-964	4.5	102
139	Wave propagation analysis of quasi-3D FG nanobeams in thermal environment based on nonlocal strain gradient theory. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	101
138	Thermo-mechanical buckling analysis of embedded nanosize FG plates in thermal environments via an inverse cotangential theory. *Composite Structures*, **2016**, 141, 203-212	5.3	100
137	Post-buckling analysis of refined shear deformable graphene platelet reinforced beams with porosities and geometrical imperfection. *Composite Structures*, **2017**, 181, 194-202	5.3	98
136	Dynamic modeling of a thermo-piezo-electrically actuated nanosize beam subjected to a magnetic field. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	94
135	Buckling analysis of nonlocal third-order shear deformable functionally graded piezoelectric nanobeams embedded in elastic medium. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 937-952	2	88
134	Small-scale effects on hygro-thermo-mechanical vibration of temperature-dependent nonhomogeneous nanoscale beams. *Mechanics of Advanced Materials and Structures*, **2017**, 24, 924-936	1.8	85
133	A unified formulation for dynamic analysis of nonlocal heterogeneous nanobeams in hygro-thermal environment. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	79
132	On wave propagation in nanoporous materials. *International Journal of Engineering Science*, **2017**, 116, 1-11	5.7	76

131	Vibration analysis of functionally graded graphene platelet reinforced cylindrical shells with different porosity distributions. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 1580-1588	1.8	74
130	Static stability analysis of smart magneto-electro-elastic heterogeneous nanoplates embedded in an elastic medium based on a four-variable refined plate theory. *Smart Materials and Structures*, **2016**, 25, 105014	3.4	69
129	Magnetic field effects on buckling behavior of smart size-dependent graded nanoscale beams. *European Physical Journal Plus*, **2016**, 131, 1	3.1	66
128	Electro-thermoelastic vibration of plates made of porous functionally graded piezoelectric materials under various boundary conditions. *JVC/Journal of Vibration and Control*, **2018**, 24, 1910-1926	2	62
127	Electro-mechanical vibration of smart piezoelectric FG plates with porosities according to a refined four-variable theory. *Mechanics of Advanced Materials and Structures*, **2017**, 24, 987-998	1.8	61
126	An exact solution for buckling analysis of embedded piezo-electro-magnetically actuated nanoscale beams. *Advances in Nano Research*, **2016**, 4, 65-84		61
125	A general bi-Helmholtz nonlocal strain-gradient elasticity for wave propagation in nanoporous graded double-nanobeam systems on elastic substrate. *Composite Structures*, **2017**, 168, 885-892	5.3	59
124	Vibration analysis of magneto-electro-elastic heterogeneous porous material plates resting on elastic foundations. *Thin-Walled Structures*, **2017**, 119, 33-46	4.7	58
123	Magneto-electro-elastic buckling analysis of nonlocal curved nanobeams. *European Physical Journal Plus*, **2016**, 131, 1	3.1	58
122	Flexural Wave Propagation Analysis of Embedded S-FGM Nanobeams Under Longitudinal Magnetic Field Based on Nonlocal Strain Gradient Theory. *Arabian Journal for Science and Engineering*, **2017**, 42, 1715-1726	2.5	56
121	Surface effects on the vibration behavior of flexoelectric nanobeams based on nonlocal elasticity theory. *European Physical Journal Plus*, **2017**, 132, 1	3.1	55
120	Electromechanical buckling behavior of smart piezoelectrically actuated higher-order size-dependent graded nanoscale beams in thermal environment. *International Journal of Smart and Nano Materials*, **2016**, 7, 69-90	3.6	55
119	Investigating post-buckling of geometrically imperfect metal foam nanobeams with symmetric and asymmetric porosity distributions. *Composite Structures*, **2017**, 182, 91-98	5.3	51
118	A general nonlocal stress-strain gradient theory for forced vibration analysis of heterogeneous porous nanoplates. *European Journal of Mechanics, A/Solids*, **2018**, 67, 215-230	3.7	48
117	Size-dependent thermal stability analysis of graded piezomagnetic nanoplates on elastic medium subjected to various thermal environments. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	48
116	Vibration analysis of viscoelastic inhomogeneous nanobeams resting on a viscoelastic foundation based on nonlocal strain gradient theory incorporating surface and thermal effects. *Acta Mechanica* , **2017**, 228, 1197-1210	2.1	46
115	Analysis of postbuckling of graded porous GPL-reinforced beams with geometrical imperfection. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 503-511	1.8	41
114	Porosity-dependent vibration analysis of piezo-magnetically actuated heterogeneous nanobeams. *Mechanical Systems and Signal Processing*, **2017**, 93, 445-459	7.8	40

113	Vibration analysis of porous FG nanoshells with even and uneven porosity distributions using nonlocal strain gradient elasticity. *Acta Mechanica*, **2018**, 229, 1183-1196	2.1	40
112	Wave dispersion characteristics of axially loaded magneto-electro-elastic nanobeams. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	39
111	Damping vibration analysis of smart piezoelectric polymeric nanoplates on viscoelastic substrate based on nonlocal strain gradient theory. *Smart Materials and Structures*, **2017**, 26, 065018	3.4	38
110	On nonlocal characteristics of curved inhomogeneous EulerBernoulli nanobeams under different temperature distributions. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	38
109	Temperature distribution effects on buckling behavior of smart heterogeneous nanosize plates based on nonlocal four-variable refined plate theory. *International Journal of Smart and Nano Materials*, **2016**, 7, 119-143	3.6	36
108	Thermal effects on wave propagation characteristics of rotating strain gradient temperature-dependent functionally graded nanoscale beams. *Journal of Thermal Stresses*, **2017**, 40, 535-547	2.2	35
107	On non-linear vibrations of flexoelectric nanobeams. *International Journal of Engineering Science*, **2017**, 121, 143-153	5.7	34
106	Vibration analysis of piezoelectrically actuated curved nanosize FG beams via a nonlocal strain-electric field gradient theory. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 350-359	1.8	34
105	Transient response of porous FG nanoplates subjected to various pulse loads based on nonlocal stress-strain gradient theory. *European Journal of Mechanics, A/Solids*, **2019**, 74, 210-220	3.7	34
104	Free Vibration Analysis of Smart Porous Plates Subjected to Various Physical Fields Considering Neutral Surface Position. *Arabian Journal for Science and Engineering*, **2017**, 42, 1865-1881	2.5	33
103	An analytical solution for thermal vibration of compositionally graded nanoplates with arbitrary boundary conditions based on physical neutral surface position. *Mechanics of Advanced Materials and Structures*, **2017**, 24, 840-853	1.8	32
102	Vibration analysis of size-dependent flexoelectric nanoplates incorporating surface and thermal effects. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 611-621	1.8	32
101	Aero-hygro-thermal stability analysis of higher-order refined supersonic FGM panels with even and uneven porosity distributions. *Journal of Fluids and Structures*, **2017**, 73, 125-136	3.1	31
100	Dynamic response of nanobeams subjected to moving nanoparticles and hygro-thermal environments based on nonlocal strain gradient theory. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 1661-1669	1.8	30
99	Damping vibration analysis of graphene sheets on viscoelastic medium incorporating hygro-thermal effects employing nonlocal strain gradient theory. *Composite Structures*, **2018**, 185, 241-253	5.3	30
98	Hygro-thermal vibration analysis of graded double-refined-nanoplate systems using hybrid nonlocal stress-strain gradient theory. *Composite Structures*, **2017**, 176, 982-995	5.3	29
97	Wave propagation analysis of a size-dependent magneto-electro-elastic heterogeneous nanoplate. *European Physical Journal Plus*, **2016**, 131, 1	3.1	29
96	Dynamic response of functionally graded graphene nanoplatelet reinforced shells with porosity distributions under transverse dynamic loads. *Materials Research Express*, **2019**, 6, 075045	1.7	28

95	Size-dependent vibration analysis of viscoelastic nanocrystalline silicon nanobeams with porosities based on a higher order refined beam theory. *Composite Structures*, **2017**, 166, 256-267	5.3	27
94	Thermal environment effects on wave dispersion behavior of inhomogeneous strain gradient nanobeams based on higher order refined beam theory. *Journal of Thermal Stresses*, **2016**, 39, 1560-1571	2.2	27
93	Nonlocal thermo-elastic wave propagation in temperature-dependent embedded small-scaled nonhomogeneous beams. *European Physical Journal Plus*, **2016**, 131, 1	3.1	26
92	A four-variable plate theory for thermal vibration of embedded FG nanoplates under non-uniform temperature distributions with different boundary conditions. *Structural Engineering and Mechanics*, **2016**, 60, 707-727		26
91	Forced vibration of sinusoidal FG nanobeams resting on hybrid Kerr foundation in hygro-thermal environments. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 669-680	1.8	25
90	Wave propagation in embedded inhomogeneous nanoscale plates incorporating thermal effects. *Waves in Random and Complex Media*, **2018**, 28, 215-235	1.9	25
89	Nonlinear vibration of nonlocal four-variable graded plates with porosities implementing homotopy perturbation and Hamiltonian methods. *Acta Mechanica*, **2018**, 229, 343-362	2.1	23
88	Hygrothermal buckling analysis of magnetically actuated embedded higher order functionally graded nanoscale beams considering the neutral surface position. *Journal of Thermal Stresses*, **2016**, 39, 1210-1229	2.2	23
87	Post-buckling analysis of honeycomb core sandwich panels with geometrical imperfection and graphene reinforced nano-composite face sheets. *Materials Research Express*, **2019**, 6, 095017	1.7	22
86	A modified nonlocal couple stress-based beam model for vibration analysis of higher-order FG nanobeams. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 1121-1132	1.8	22
85	Buckling analysis of piezoelectrically actuated smart nanoscale plates subjected to magnetic field. *Journal of Intelligent Material Systems and Structures*, **2017**, 28, 1472-1490	2.3	21
84	Vibration analysis of viscoelastic inhomogeneous nanobeams incorporating surface and thermal effects. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	20
83	A new nonlocal elasticity theory with graded nonlocality for thermo-mechanical vibration of FG nanobeams via a nonlocal third-order shear deformation theory. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 512-522	1.8	20
82	Wave propagation analysis of size-dependent rotating inhomogeneous nanobeams based on nonlocal elasticity theory. *JVC/Journal of Vibration and Control*, **2018**, 24, 3809-3818	2	20
81	Nonlinear free and forced vibrations of graphene nanoplatelet reinforced microbeams with geometrical imperfection. *Microsystem Technologies*, **2019**, 25, 3137-3150	1.7	20
80	Investigating dynamic response of porous inhomogeneous nanobeams on hybrid Kerr foundation under hygro-thermal loading. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	19
79	Thermal Buckling Analysis of Size-Dependent FG Nanobeams Based on the Third-Order Shear Deformation Beam Theory. *Acta Mechanica Solida Sinica*, **2016**, 29, 547-554	2	19
78	Magnetic field effects on dynamic behavior of inhomogeneous thermo-piezo-electrically actuated nanoplates. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 2203-2223	2	19

77	Analysis of postbuckling behavior of general higher-order functionally graded nanoplates with geometrical imperfection considering porosity distributions. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 1081-1088	1.8	19
76	Through-the-length temperature distribution effects on thermal vibration analysis of nonlocal strain-gradient axially graded nanobeams subjected to nonuniform magnetic field. *Journal of Thermal Stresses*, **2017**, 40, 548-563	2.2	18
75	Longitudinal varying elastic foundation effects on vibration behavior of axially graded nanobeams via nonlocal strain gradient elasticity theory. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 953-963	1.8	17
74	Frequency analysis of nanoporous mass sensors based on a vibrating heterogeneous nanoplate and nonlocal strain gradient theory. *Microsystem Technologies*, **2018**, 24, 1479-1494	1.7	17
73	Dynamic response of porous functionally graded material nanobeams subjected to moving nanoparticle based on nonlocal strain gradient theory. *Materials Research Express*, **2017**, 4, 115017	1.7	17
72	Investigating nonlinear vibration of closed circuit flexoelectric nanobeams with surface effects via Hamiltonian method. *Microsystem Technologies*, **2018**, 24, 1841-1851	1.7	15
71	Dynamic modeling of embedded nanoplate systems incorporating flexoelectricity and surface effects. *Microsystem Technologies*, **2019**, 25, 175-187	1.7	15
70	Static stability analysis of embedded flexoelectric nanoplates considering surface effects. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	14
69	Nonlinear forced vibrations of sandwich smart nanobeams with two-phase piezo-magnetic face sheets. *European Physical Journal Plus*, **2019**, 134, 1	3.1	14
68	Nonlocal strain gradient theory for damping vibration analysis of viscoelastic inhomogeneous nano-scale beams embedded in visco-Pasternak foundation. *JVC/Journal of Vibration and Control*, **2018**, 24, 2080-2095	2	13
67	Post-buckling analysis of piezo-magnetic nanobeams with geometrical imperfection and different piezoelectric contents. *Microsystem Technologies*, **2019**, 25, 3477-3488	1.7	13
66	Vibration analysis of multi-phase nanocrystalline silicon nanoplates considering the size and surface energies of nanograins/nanovoids. *International Journal of Engineering Science*, **2017**, 119, 128-141	5.7	12
65	Dynamic response of metal foam FG porous cylindrical micro-shells due to moving loads with strain gradient size-dependency. *European Physical Journal Plus*, **2019**, 134, 1	3.1	12
64	Finite element forced vibration analysis of refined shear deformable nanocomposite graphene platelet-reinforced beams. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2020**, 42, 1	2	12
63	Strain gradient based dynamic response analysis of heterogeneous cylindrical microshells with porosities under a moving load. *Materials Research Express*, **2019**, 6, 035029	1.7	12
62	Dynamic Modeling of Magneto-electrically Actuated Compositionally Graded Nanosize Plates Lying on Elastic Foundation. *Arabian Journal for Science and Engineering*, **2017**, 42, 1977-1997	2.5	11
61	Magnetic field effects on nonlocal wave dispersion characteristics of size-dependent nanobeams. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	11
60	Scale-dependent effects on wave propagation in magnetically affected single/double-layered compositionally graded nanosize beams. *Waves in Random and Complex Media*, **2018**, 28, 326-342	1.9	11

59	Damping vibration behavior of visco-elastically coupled double-layered graphene sheets based on nonlocal strain gradient theory. *Microsystem Technologies*, **2018**, 24, 1643-1658	1.7	11
58	Nonlocal Thermal Buckling Analysis of Embedded Magneto-Electro-Thermo-Elastic Nonhomogeneous Nanoplates. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2016**, 40, 243-264	1.2	11
57	Vibration analysis of biaxially compressed double-layered graphene sheets based on nonlocal strain gradient theory. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 854-865	1.8	11
56	Magnetic field effects on buckling characteristics of smart flexoelectrically actuated piezoelectric nanobeams based on nonlocal and surface elasticity theories. *Microsystem Technologies*, **2018**, 24, 2147-2157	1.7	11
55	Investigating physical field effects on the size-dependent dynamic behavior of inhomogeneous nanoscale plates. *European Physical Journal Plus*, **2017**, 132, 1	3.1	10
54	Nonlocal microstructure-dependent dynamic stability of refined porous FG nanoplates in hygro-thermal environments. *European Physical Journal Plus*, **2017**, 132, 1	3.1	10
53	Vibration analysis of nonlocal strain gradient embedded single-layer graphene sheets under nonuniform in-plane loads. *JVC/Journal of Vibration and Control*, **2018**, 24, 4751-4763	2	10
52	Post-buckling analysis of imperfect multi-phase nanocrystalline nanobeams considering nanograins and nanopores surface effects. *Composite Structures*, **2018**, 184, 497-505	5.3	10
51	Investigating dynamic characteristics of porous double-layered FG nanoplates in elastic medium via generalized nonlocal strain gradient elasticity. *European Physical Journal Plus*, **2017**, 132, 1	3.1	10
50	Small-scale effects on the dynamic response of inhomogeneous nanobeams on elastic substrate under uniform dynamic load. *European Physical Journal Plus*, **2017**, 132, 1	3.1	9
49	Geometrically nonlinear vibration analysis of eccentrically stiffened porous functionally graded annular spherical shell segments. *Mechanics Based Design of Structures and Machines*, **2020**, 1-15	1.7	9
48	Vibration analysis of embedded biaxially loaded magneto-electrically actuated inhomogeneous nanoscale plates. *JVC/Journal of Vibration and Control*, **2018**, 24, 3587-3607	2	9
47	Vibration analysis of graphene sheets resting on the orthotropic elastic medium subjected to hygro-thermal and in-plane magnetic fields based on the nonlocal strain gradient theory. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2018**, 232, 2469-2481	1.3	9
46	A general higher-order nonlocal couple stress based beam model for vibration analysis of porous nanocrystalline nanobeams. *Superlattices and Microstructures*, **2017**, 112, 64-78	2.8	9
45	Electro-magnetic effects on nonlocal dynamic behavior of embedded piezoelectric nanoscale beams. *Journal of Intelligent Material Systems and Structures*, **2017**, 28, 2007-2022	2.3	8
44	Analyzing nonlinear vibration of metal foam stiffened toroidal convex/concave shell segments considering porosity distribution. *Mechanics Based Design of Structures and Machines*, **2020**, 1-17	1.7	8
43	Closed-form nonlinear frequency of flexoelectric nanobeams with surface and nonlocal effects under closed circuit electric field. *Materials Research Express*, **2018**, 5, 025008	1.7	8
42	Nonlinear thermal vibration analysis of refined shear deformable FG nanoplates: two semi-analytical solutions. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2018**, 40, 1	2	8

41	Effect of three-parameter viscoelastic medium on vibration behavior of temperature-dependent non-homogeneous viscoelastic nanobeams in a hygro-thermal environment. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 361-374	1.8	8
40	Vibration analysis of parabolic shear-deformable piezoelectrically actuated nanoscale beams incorporating thermal effects. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 917-929	1.8	8
39	Forced vibration of porous functionally graded nanoplates under uniform dynamic load using general nonlocal stress□train gradient theory. *JVC/Journal of Vibration and Control*, **2018**, 24, 4700-4715	2	8
38	Thermal post-buckling analysis of closed circuit flexoelectric nanobeams with surface effects and geometrical imperfection. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 1482-1490	1.8	8
37	Propagation of waves in nonlocal porous multi-phase nanocrystalline nanobeams under longitudinal magnetic field. *Waves in Random and Complex Media*, **2020**, 30, 308-327	1.9	8
36	Temperature and porosity effects on wave propagation in nanobeams using bi-Helmholtz nonlocal strain-gradient elasticity. *European Physical Journal Plus*, **2018**, 133, 1	3.1	7
35	Porosity-dependent vibration and dynamic stability of compositionally gradient nanofilms using nonlocal strain gradient theory. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2018**, 232, 3144-3155	1.3	7
34	Hygro-thermal vibration analysis of bilayer graphene sheet system via nonlocal strain gradient plate theory. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2018**, 40, 1	2	7
33	Modeling of smart magnetically affected flexoelectric/piezoelectric nanostructures incorporating surface effects. *Nanomaterials and Nanotechnology*, **2017**, 7, 184798041771310	2.9	7
32	Vibration analysis of embedded size dependent FG nanobeams based on third-order shear deformation beam theory. *Structural Engineering and Mechanics*, **2017**, 61, 721-736		7
31	Vibration Analysis of Smart Embedded Shear Deformable Nonhomogeneous Piezoelectric Nanoscale Beams based on Nonlocal Elasticity Theory. *International Journal of Aeronautical and Space Sciences*, **2017**, 18, 255-269	1.2	7
30	Transient response of porous inhomogeneous nanobeams due to various impulsive loads based on nonlocal strain gradient elasticity. *International Journal of Mechanics and Materials in Design*, **2020**, 16, 57-68	2.5	7
29	Analysis of nonlinear vibrations of CNT- /fiberglass-reinforced multi-scale truncated conical shell segments. *Mechanics Based Design of Structures and Machines*, **2020**, 1-17	1.7	6
28	Small scale effects on transient vibrations of porous FG cylindrical nanoshells based on nonlocal strain gradient theory. *European Physical Journal Plus*, **2020**, 135, 1	3.1	6
27	Free vibration analysis of couple stress rotating nanobeams with surface effect under in-plane axial magnetic field. *JVC/Journal of Vibration and Control*, **2017**, 107754631774471	2	6
26	Nonlocal and Surface Effects on Vibration Behavior of Axially Loaded Flexoelectric Nanobeams Subjected to In-Plane Magnetic Field. *Arabian Journal for Science and Engineering*, **2018**, 43, 1423-1433	2.5	6
25	Axial magnetic field effects on dynamic characteristics of embedded multiphase nanocrystalline nanobeams. *Microsystem Technologies*, **2018**, 24, 3521-3536	1.7	5
24	Damping Vibration Behavior of Viscoelastic Porous Nanocrystalline Nanobeams Incorporating Nonlocal□ouple Stress and Surface Energy Effects. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2019**, 43, 187-203	1.2	5

23	Analyzing nonlocal nonlinear vibrations of two-phase geometrically imperfect piezo-magnetic beams considering piezoelectric reinforcement scheme. *Journal of Strain Analysis for Engineering Design*, **2020**, 55, 258-270	1.3	4
22	Nonlinear vibrations of variable thickness curved panels made of multi-scale epoxy/fiberglass/CNT material using Jacobi elliptic functions. *Mechanics Based Design of Structures and Machines*, **2020**, 1-17	1.7	4
21	Size-dependent thermally affected wave propagation analysis in nonlocal strain gradient functionally graded nanoplates via a quasi-3D plate theory. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2018**, 232, 162-173	1.3	4
20	Hygrothermal effects on static stability of embedded single-layer graphene sheets based on nonlocal strain gradient elasticity theory. *Journal of Thermal Stresses*, **2019**, 42, 1535-1550	2.2	4
19	Magneto-hygro-thermal vibration behavior of elastically coupled nanoplate systems incorporating nonlocal and strain gradient effects. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 4335-4352	2	4
18	Frequency analysis of porous nano-mechanical mass sensors made of multi-phase nanocrystalline silicon materials. *Materials Research Express*, **2017**, 4, 075019	1.7	4
17	Dynamic modeling and vibration analysis of double-layered multi-phase porous nanocrystalline silicon nanoplate systems. *European Journal of Mechanics, A/Solids*, **2017**, 66, 256-268	3.7	4
16	Dynamic modeling of porous heterogeneous micro/nanobeams. *European Physical Journal Plus*, **2017**, 132, 1	3.1	4
15	Vibration analysis of multi-phase nanocrystalline material nanoshells using strain gradient elasticity. *Materials Research Express*, **2017**, 4, 105021	1.7	3
14	Magneto-electric effects on nonlocal nonlinear dynamic characteristics of imperfect multi-phase magneto-electro-elastic beams. *Journal of Magnetism and Magnetic Materials*, **2020**, 503, 166649	2.8	3
13	Nonlocal stress-strain gradient vibration analysis of heterogeneous double-layered plates under hygro-thermal and linearly varying in-plane loads. *JVC/Journal of Vibration and Control*, **2018**, 24, 4630-4647	2	3
12	Influence of neutral surface position on dynamic characteristics of in-homogeneous piezo-magnetically actuated nanoscale plates. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2018**, 232, 3125-3143	1.3	3
11	Investigating nonlinear vibrations of multi-scale truncated conical shell segments with carbon nanotube/fiberglass reinforcement using a higher order conical shell theory. *Journal of Strain Analysis for Engineering Design*, **2021**, 56, 181-192	1.3	3
10	Nonlinear dynamic characteristics of nonlocal multi-phase magneto-electro-elastic nano-tubes with different piezoelectric constituents. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	2
9	Static stability analysis of double-layer graphene sheet system in hygro-thermal environment. *Microsystem Technologies*, **2018**, 24, 3713-3727	1.7	2
8	Analysis of Nonlinear Dynamic Behavior of Sandwich Panels with Cellular Honeycomb Cores and Nano-Composite Skins. *Transport in Porous Media*,1	3.1	2
7	A Nonlocal Strain Gradient Mass Sensor Based on Vibrating Hygro-Thermally Affected Graphene Nanosheets. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2019**, 43, 205-220	1.2	2
6	Buckling Characteristics of Bilayer Graphene Sheets Subjected to Humid Thermomechanical Loading **2019**, 433-454		1

5	Analytical solution for nonlocal buckling characteristics of higher-order inhomogeneous nanosize beams embedded in elastic medium. *Advances in Nano Research*, **2016**, 4, 229-249		1
4	Dynamic modeling of smart shear-deformable heterogeneous piezoelectric nanobeams resting on Winkler–Pasternak foundation. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	1
3	Investigating Instability Regions of Harmonically Loaded Refined Shear Deformable Inhomogeneous Nanoplates. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2019**, 43, 393-404	1.2	0
2	Assessment of nonlinear vibrations of thin plates undergoing large deflection and moderate rotation using Jacobi elliptic functions. *Mechanics Based Design of Structures and Machines*,1-17	1.7	
1	Vibration frequencies of meta-material plates based on the numerical calibration of shape factor for various cell patterns. *Waves in Random and Complex Media*,1-19	1.9	