

Mohammad Reza Barati

List of Publications by Year in descending order

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134
papers

5,237
citations

87843

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docs citations

134
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing nonlinear vibration of metal foam stiffened toroidal convex/concave shell segments considering porosity distribution. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 310-326.	3.4	14
2	Assessment of nonlinear vibrations of thin plates undergoing large deflection and moderate rotation using Jacobi elliptic functions. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 4255-4271.	3.4	2
3	Analysis of nonlinear vibrations of CNT- /fiberglass-reinforced multi-scale truncated conical shell segments. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2067-2083.	3.4	13
4	Geometrically nonlinear vibration analysis of eccentrically stiffened porous functionally graded annular spherical shell segments. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2206-2220.	3.4	17
5	Investigating nonlinear vibrations of multi-scale truncated conical shell segments with carbon nanotube/fiberglass reinforcement using a higher order conical shell theory. <i>Journal of Strain Analysis for Engineering Design</i> , 2021, 56, 181-192.	1.0	5
6	High Velocity Impact Response and Damage Mechanism of an Aluminium/Glass-Carbon Fiber/Epoxy Composite Plate Reinforced with Graphene Nano-plates. <i>Fibers and Polymers</i> , 2021, 22, 480-488.	1.1	7
7	Transient response of porous inhomogeneous nanobeams due to various impulsive loads based on nonlocal strain gradient elasticity. <i>International Journal of Mechanics and Materials in Design</i> , 2020, 16, 57-68.	1.7	15
8	Finite element forced vibration analysis of refined shear deformable nanocomposite graphene platelet-reinforced beams. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	19
9	Analyzing nonlocal nonlinear vibrations of two-phase geometrically imperfect piezo-magnetic beams considering piezoelectric reinforcement scheme. <i>Journal of Strain Analysis for Engineering Design</i> , 2020, 55, 258-270.	1.0	4
10	Nonlinear vibrations of variable thickness curved panels made of multi-scale epoxy/fiberglass/CNT material using Jacobi elliptic functions. <i>Mechanics Based Design of Structures and Machines</i> , 2020, , 1-17.	3.4	6
11	Nonlinear dynamic characteristics of nonlocal multi-phase magneto-electro-elastic nano-tubes with different piezoelectric constituents. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	3
12	Small scale effects on transient vibrations of porous FG cylindrical nanoshells based on nonlocal strain gradient theory. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	13
13	Dynamic modeling of embedded nanoplate systems incorporating flexoelectricity and surface effects. <i>Microsystem Technologies</i> , 2019, 25, 175-187.	1.2	22
14	Post-buckling analysis of honeycomb core sandwich panels with geometrical imperfection and graphene reinforced nano-composite face sheets. <i>Materials Research Express</i> , 2019, 6, 095017.	0.8	27
15	Nonlinear forced vibrations of sandwich smart nanobeams with two-phase piezo-magnetic face sheets. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
16	Dynamic response of metal foam FG porous cylindrical micro-shells due to moving loads with strain gradient size-dependency. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
17	Dynamic response of functionally graded graphene nanoplatelet reinforced shells with porosity distributions under transverse dynamic loads. <i>Materials Research Express</i> , 2019, 6, 075045.	0.8	36
18	Strain gradient based dynamic response analysis of heterogeneous cylindrical microshells with porosities under a moving load. <i>Materials Research Express</i> , 2019, 6, 035029.	0.8	18

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19	Transient response of porous FG nanoplates subjected to various pulse loads based on nonlocal stress-strain gradient theory. <i>European Journal of Mechanics, A/Solids</i> , 2019, 74, 210-220.	2.1	41
20	Nonlinear free and forced vibrations of graphene nanoplatelet reinforced microbeams with geometrical imperfection. <i>Microsystem Technologies</i> , 2019, 25, 3137-3150.	1.2	30
21	Post-buckling analysis of piezo-magnetic nanobeams with geometrical imperfection and different piezoelectric contents. <i>Microsystem Technologies</i> , 2019, 25, 3477-3488.	1.2	15
22	Damping Vibration Behavior of Viscoelastic Porous Nanocrystalline Nanobeams Incorporating Nonlocal Couple Stress and Surface Energy Effects. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 187-203.	0.8	9
23	Static stability analysis of double-layer graphene sheet system in hygro-thermal environment. <i>Microsystem Technologies</i> , 2018, 24, 3713-3727.	1.2	4
24	Vibration analysis of smart piezoelectrically actuated nanobeams subjected to magneto-electrical field in thermal environment. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 549-564.	1.5	128
25	Nonlocal strain gradient theory for damping vibration analysis of viscoelastic inhomogeneous nano-scale beams embedded in visco-Pasternak foundation. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 2080-2095.	1.5	19
26	Effect of three-parameter viscoelastic medium on vibration behavior of temperature-dependent non-homogeneous viscoelastic nanobeams in a hygro-thermal environment. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 361-374.	1.5	16
27	Vibration analysis of piezoelectrically actuated curved nanosize FG beams via a nonlocal strain-electric field gradient theory. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 350-359.	1.5	39
28	Size-dependent thermally affected wave propagation analysis in nonlocal strain gradient functionally graded nanoplates via a quasi-3D plate theory. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 162-173.	1.1	5
29	Electro-thermoelastic vibration of plates made of porous functionally graded piezoelectric materials under various boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 1910-1926.	1.5	92
30	Vibration analysis of embedded biaxially loaded magneto-electrically actuated inhomogeneous nanoscale plates. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 3587-3607.	1.5	15
31	A new nonlocal elasticity theory with graded nonlocality for thermo-mechanical vibration of FG nanobeams via a nonlocal third-order shear deformation theory. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 512-522.	1.5	26
32	Vibration analysis of size-dependent flexoelectric nanoplates incorporating surface and thermal effects. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 611-621.	1.5	45
33	Forced vibration of sinusoidal FG nanobeams resting on hybrid Kerr foundation in hygro-thermal environments. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 669-680.	1.5	34
34	Wave propagation in embedded inhomogeneous nanoscale plates incorporating thermal effects. <i>Waves in Random and Complex Media</i> , 2018, 28, 215-235.	1.6	31
35	Vibration analysis of parabolic shear-deformable piezoelectrically actuated nanoscale beams incorporating thermal effects. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 917-929.	1.5	10
36	Longitudinal varying elastic foundation effects on vibration behavior of axially graded nanobeams via nonlocal strain gradient elasticity theory. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 953-963.	1.5	22

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37	Wave propagation analysis of size-dependent rotating inhomogeneous nanobeams based on nonlocal elasticity theory. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 3809-3818.	1.5	30
38	Scale-dependent effects on wave propagation in magnetically affected single/double-layered compositionally graded nanosize beams. <i>Waves in Random and Complex Media</i> , 2018, 28, 326-342.	1.6	13
39	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. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 2469-2481.	1.1	16
40	Forced vibration of porous functionally graded nanoplates under uniform dynamic load using general nonlocal stress-strain gradient theory. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4700-4715.	1.5	11
41	Vibration analysis of nonlocal strain gradient embedded single-layer graphene sheets under nonuniform in-plane loads. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4751-4763.	1.5	14
42	Damping vibration behavior of visco-elastically coupled double-layered graphene sheets based on nonlocal strain gradient theory. <i>Microsystem Technologies</i> , 2018, 24, 1643-1658.	1.2	12
43	Nonlocal stress-strain gradient vibration analysis of heterogeneous double-layered plates under hygro-thermal and linearly varying in-plane loads. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4630-4647.	1.5	5
44	Influence of neutral surface position on dynamic characteristics of in-homogeneous piezo-magnetically actuated nanoscale plates. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 3125-3143.	1.1	4
45	Magnetic field effects on buckling characteristics of smart flexoelectrically actuated piezoelectric nanobeams based on nonlocal and surface elasticity theories. <i>Microsystem Technologies</i> , 2018, 24, 2147-2157.	1.2	14
46	Nonlocal and Surface Effects on Vibration Behavior of Axially Loaded Flexoelectric Nanobeams Subjected to In-Plane Magnetic Field. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1423-1433.	1.7	11
47	A modified nonlocal couple stress-based beam model for vibration analysis of higher-order FG nanobeams. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 1121-1132.	1.5	29
48	Engineered titanium implants for localized drug delivery: recent advances and perspectives of Titania nanotubes arrays. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1021-1037.	2.4	40
49	An analytical solution for thermal vibration of compositionally graded nanoplates with arbitrary boundary conditions based on physical neutral surface position. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 840-853.	1.5	40
50	Small-scale effects on hygro-thermo-mechanical vibration of temperature-dependent nonhomogeneous nanoscale beams. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 924-936.	1.5	97
51	Electro-mechanical vibration of smart piezoelectric FG plates with porosities according to a refined four-variable theory. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 987-998.	1.5	79
52	Buckling analysis of nonlocal third-order shear deformable functionally graded piezoelectric nanobeams embedded in elastic medium. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 937-952.	0.8	114
53	Size-dependent vibration analysis of viscoelastic nanocrystalline silicon nanobeams with porosities based on a higher order refined beam theory. <i>Composite Structures</i> , 2017, 166, 256-267.	3.1	31
54	Dynamic Modeling of Magneto-electrically Actuated Compositionally Graded Nanosize Plates Lying on Elastic Foundation. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1977-1997.	1.7	14

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55	Surface effects on the vibration behavior of flexoelectric nanobeams based on nonlocal elasticity theory. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	69
56	Porosity-dependent vibration analysis of piezo-magnetically actuated heterogeneous nanobeams. <i>Mechanical Systems and Signal Processing</i> , 2017, 93, 445-459.	4.4	44
57	Investigating physical field effects on the size-dependent dynamic behavior of inhomogeneous nanoscale plates. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	12
58	Electro-magnetic effects on nonlocal dynamic behavior of embedded piezoelectric nanoscale beams. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 2007-2022.	1.4	13
59	A general bi-Helmholtz nonlocal strain-gradient elasticity for wave propagation in nanoporous graded double-nanobeam systems on elastic substrate. <i>Composite Structures</i> , 2017, 168, 885-892.	3.1	65
60	Investigating dynamic response of porous inhomogeneous nanobeams on hybrid Kerr foundation under hygro-thermal loading. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	25
61	Small-scale effects on the dynamic response of inhomogeneous nanobeams on elastic substrate under uniform dynamic load. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	11
62	Vibration analysis of multi-phase nanocrystalline silicon nanoplates considering the size and surface energies of nanograins/nanovoids. <i>International Journal of Engineering Science</i> , 2017, 119, 128-141.	2.7	13
63	A new finding on the in-vivo crevice corrosion damage in a CoCrMo hip implant. <i>Materials Science and Engineering C</i> , 2017, 79, 390-398.	3.8	25
64	Damping vibration analysis of smart piezoelectric polymeric nanoplates on viscoelastic substrate based on nonlocal strain gradient theory. <i>Smart Materials and Structures</i> , 2017, 26, 065018.	1.8	49
65	Vibration analysis of magneto-electro-elastic heterogeneous porous material plates resting on elastic foundations. <i>Thin-Walled Structures</i> , 2017, 119, 33-46.	2.7	81
66	Hygro-thermal vibration analysis of graded double-refined-nanoplate systems using hybrid nonlocal stress-strain gradient theory. <i>Composite Structures</i> , 2017, 176, 982-995.	3.1	35
67	On wave propagation in nanoporous materials. <i>International Journal of Engineering Science</i> , 2017, 116, 1-11.	2.7	78
68	Magnetic field effects on nonlocal wave dispersion characteristics of size-dependent nanobeams. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	14
69	Vibration analysis of viscoelastic inhomogeneous nanobeams incorporating surface and thermal effects. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	22
70	Through-the-length temperature distribution effects on thermal vibration analysis of nonlocal strain-gradient axially graded nanobeams subjected to nonuniform magnetic field. <i>Journal of Thermal Stresses</i> , 2017, 40, 548-563.	1.1	23
71	On non-linear vibrations of flexoelectric nanobeams. <i>International Journal of Engineering Science</i> , 2017, 121, 143-153.	2.7	40
72	Static stability analysis of embedded flexoelectric nanoplates considering surface effects. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	20

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73	Vibration analysis of multi-phase nanocrystalline material nanoshells using strain gradient elasticity. <i>Materials Research Express</i> , 2017, 4, 105021.	0.8	3
74	Nonlocal microstructure-dependent dynamic stability of refined porous FG nanoplates in hydro-thermal environments. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	11
75	Magneto-hydro-thermal vibration behavior of elastically coupled nanoplate systems incorporating nonlocal and strain gradient effects. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 4335-4352.	0.8	7
76	Post-buckling analysis of refined shear deformable graphene platelet reinforced beams with porosities and geometrical imperfection. <i>Composite Structures</i> , 2017, 181, 194-202.	3.1	126
77	Investigating dynamic characteristics of porous double-layered FG nanoplates in elastic medium via generalized nonlocal strain gradient elasticity. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	11
78	Investigating post-buckling of geometrically imperfect metal foam nanobeams with symmetric and asymmetric porosity distributions. <i>Composite Structures</i> , 2017, 182, 91-98.	3.1	63
79	A general higher-order nonlocal couple stress based beam model for vibration analysis of porous nanocrystalline nanobeams. <i>Superlattices and Microstructures</i> , 2017, 112, 64-78.	1.4	11
80	Frequency analysis of porous nano-mechanical mass sensors made of multi-phase nanocrystalline silicon materials. <i>Materials Research Express</i> , 2017, 4, 075019.	0.8	6
81	Dynamic modeling and vibration analysis of double-layered multi-phase porous nanocrystalline silicon nanoplate systems. <i>European Journal of Mechanics, A/Solids</i> , 2017, 66, 256-268.	2.1	7
82	Dynamic modeling of porous heterogeneous micro/nanobeams. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	7
83	Dynamic response of porous functionally graded material nanobeams subjected to moving nanoparticle based on nonlocal strain gradient theory. <i>Materials Research Express</i> , 2017, 4, 115017.	0.8	22
84	Aero-hydro-thermal stability analysis of higher-order refined supersonic FGM panels with even and uneven porosity distributions. <i>Journal of Fluids and Structures</i> , 2017, 73, 125-136.	1.5	43
85	Modeling of smart magnetically affected flexoelectric/piezoelectric nanostructures incorporating surface effects. <i>Nanomaterials and Nanotechnology</i> , 2017, 7, 184798041771310.	1.2	12
86	Vibration analysis of porous functionally graded nanoplates. <i>International Journal of Engineering Science</i> , 2017, 120, 82-99.	2.7	132
87	Buckling analysis of piezoelectrically actuated smart nanoscale plates subjected to magnetic field. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 1472-1490.	1.4	27
88	Free Vibration Analysis of Smart Porous Plates Subjected to Various Physical Fields Considering Neutral Surface Position. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1865-1881.	1.7	45
89	Magnetic field effects on dynamic behavior of inhomogeneous thermo-piezo-electrically actuated nanoplates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 2203-2223.	0.8	23
90	Thermal effects on wave propagation characteristics of rotating strain gradient temperature-dependent functionally graded nanoscale beams. <i>Journal of Thermal Stresses</i> , 2017, 40, 535-547.	1.1	41

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91	A nonlocal strain gradient refined beam model for buckling analysis of size-dependent shear-deformable curved FG nanobeams. <i>Composite Structures</i> , 2017, 159, 174-182.	3.1	148
92	Hygrothermal effects on vibration characteristics of viscoelastic FG nanobeams based on nonlocal strain gradient theory. <i>Composite Structures</i> , 2017, 159, 433-444.	3.1	182
93	Flexural Wave Propagation Analysis of Embedded S-FGM Nanobeams Under Longitudinal Magnetic Field Based on Nonlocal Strain Gradient Theory. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1715-1726.	1.7	64
94	Vibration analysis of viscoelastic inhomogeneous nanobeams resting on a viscoelastic foundation based on nonlocal strain gradient theory incorporating surface and thermal effects. <i>Acta Mechanica</i> , 2017, 228, 1197-1210.	1.1	53
95	Vibration analysis of embedded size dependent FG nanobeams based on third-order shear deformation beam theory. <i>Structural Engineering and Mechanics</i> , 2017, 61, 721-736.	1.0	9
96	Vibration Analysis of Smart Embedded Shear Deformable Nonhomogeneous Piezoelectric Nanoscale Beams based on Nonlocal Elasticity Theory. <i>International Journal of Aeronautical and Space Sciences</i> , 2017, 18, 255-269.	1.0	9
97	Surface Characterizations of Fretting Fatigue Damage in Aluminum Alloy 7075-T6 Clamped Joints: The Beneficial Role of Niâ€P Coatings. <i>Materials</i> , 2016, 9, 141.	1.3	12
98	Wave propagation analysis of a size-dependent magneto-electro-elastic heterogeneous nanoplate. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	34
99	On nonlocal characteristics of curved inhomogeneous Eulerâ€Bernoulli nanobeams under different temperature distributions. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	40
100	Nonlocal Thermal Buckling Analysis of Embedded Magneto-Electro-Thermo-Elastic Nonhomogeneous Nanoplates. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2016, 40, 243-264.	0.8	14
101	Dynamic modeling of smart shear-deformable heterogeneous piezoelectric nanobeams resting on Winklerâ€Pasternak foundation. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	3
102	Magneto-electro-elastic buckling analysis of nonlocal curved nanobeams. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	67
103	Wave dispersion characteristics of axially loaded magneto-electro-elastic nanobeams. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	43
104	A nonlocal strain gradient theory for wave propagation analysis in temperature-dependent inhomogeneous nanoplates. <i>International Journal of Engineering Science</i> , 2016, 107, 169-182.	2.7	275
105	A unified formulation for dynamic analysis of nonlocal heterogeneous nanobeams in hygro-thermal environment. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	98
106	Temperature distribution effects on buckling behavior of smart heterogeneous nanosize plates based on nonlocal four-variable refined plate theory. <i>International Journal of Smart and Nano Materials</i> , 2016, 7, 119-143.	2.0	50
107	Hygrothermal buckling analysis of magnetically actuated embedded higher order functionally graded nanoscale beams considering the neutral surface position. <i>Journal of Thermal Stresses</i> , 2016, 39, 1210-1229.	1.1	28
108	A nonlocal higher-order refined magneto-electro-viscoelastic beam model for dynamic analysis of smart nanostructures. <i>International Journal of Engineering Science</i> , 2016, 107, 183-196.	2.7	158

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109	Wave propagation analysis of quasi-3D FG nanobeams in thermal environment based on nonlocal strain gradient theory. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	114
110	Vibration analysis of nonlocal beams made of functionally graded material in thermal environment. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	120
111	Static stability analysis of smart magneto-electro-elastic heterogeneous nanoplates embedded in an elastic medium based on a four-variable refined plate theory. <i>Smart Materials and Structures</i> , 2016, 25, 105014.	1.8	81
112	Size-dependent thermal stability analysis of graded piezomagnetic nanoplates on elastic medium subjected to various thermal environments. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	53
113	Magnetic field effects on buckling behavior of smart size-dependent graded nanoscale beams. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	77
114	Thermal Buckling Analysis of Size-Dependent FG Nanobeams Based on the Third-Order Shear Deformation Beam Theory. <i>Acta Mechanica Solida Sinica</i> , 2016, 29, 547-554.	1.0	23
115	Thermal environment effects on wave dispersion behavior of inhomogeneous strain gradient nanobeams based on higher order refined beam theory. <i>Journal of Thermal Stresses</i> , 2016, 39, 1560-1571.	1.1	30
116	Nonlocal thermo-elastic wave propagation in temperature-dependent embedded small-scaled nonhomogeneous beams. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	27
117	Electromechanical buckling behavior of smart piezoelectrically actuated higher-order size-dependent graded nanoscale beams in thermal environment. <i>International Journal of Smart and Nano Materials</i> , 2016, 7, 69-90.	2.0	63
118	Thermo-mechanical buckling analysis of embedded nanosize FG plates in thermal environments via an inverse cotangential theory. <i>Composite Structures</i> , 2016, 141, 203-212.	3.1	111
119	Dynamic modeling of a thermo-piezo-electrically actuated nanosize beam subjected to a magnetic field. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	105
120	A Nonlocal Higher-Order Shear Deformation Beam Theory for Vibration Analysis of Size-Dependent Functionally Graded Nanobeams. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 1679-1690.	1.1	128
121	An exact solution for buckling analysis of embedded piezo-electro-magnetically actuated nanoscale beams. <i>Advances in Nano Research</i> , 2016, 4, 65-84.	0.9	67
122	Analytical solution for nonlocal buckling characteristics of higher-order inhomogeneous nanosize beams embedded in elastic medium. <i>Advances in Nano Research</i> , 2016, 4, 229-249.	0.9	6
123	A four-variable plate theory for thermal vibration of embedded FG nanoplates under non-uniform temperature distributions with different boundary conditions. <i>Structural Engineering and Mechanics</i> , 2016, 60, 707-727.	1.0	28
124	Optimizing the degree of carbon nanotube dispersion in a solvent for producing reinforced epoxy matrices. <i>Powder Technology</i> , 2015, 284, 541-550.	2.1	37
125	Synthesis of nano-structured La _{0.8} Ba _{0.2} MnO ₃ perovskite via a mechano-thermal route. <i>Metals and Materials International</i> , 2014, 20, 77-81.	1.8	3
126	Particle size dependence of heating power in MgFe ₂ O ₄ nanoparticles for hyperthermia therapy application. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	32

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127	Transition and Stability of Copolymer Adsorption Morphologies on the Surface of Carbon Nanotubes and Implications on Their Dispersion. <i>Langmuir</i> , 2014, 30, 10035-10042.	1.6	14
128	Reinforcing brittle and ductile epoxy matrices using carbon nanotubes masterbatch. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 61, 126-133.	3.8	64
129	New $\mu T_{m c}$ -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3460-3463.	1.2	16
130	Fast Deswelling of Nanocomposite Polymer Hydrogels via Magnetic Field-Induced Heating for Emerging FO Desalination. <i>Environmental Science & Technology</i> , 2013, 47, 6297-6305.	4.6	82
131	Elucidation of the Structural Texture of Electrodeposited Ni/SiC Nanocomposite Coatings. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4105-4118.	1.5	14
132	Free vibration analysis of couple stress rotating nanobeams with surface effect under in-plane axial magnetic field. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754631774471.	1.5	6
133	Analysis of Nonlinear Dynamic Behavior of Sandwich Panels with Cellular Honeycomb Cores and Nano-Composite Skins. <i>Transport in Porous Media</i> , 0, , 1.	1.2	3
134	Vibration frequencies of meta-material plates based on the numerical calibration of shape factor for various cell patterns. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	0