Raheb Gholami

List of Publications by Year in Descending Order

116 papers	4,262 citations	40 h-index	60 g-index
119 ext. papers	4,650 ext. citations	3.3 avg, IF	6.38 L-index

#	Paper	IF	Citations
116	Analytical solution approach for nonlinear vibration of shear deformable imperfect FG-GPLR porous nanocomposite cylindrical shells. *Mechanics Based Design of Structures and Machines*, **2021**, 1-23	1.7	8
115	Nonlinear Primary Resonant Characteristics of Higher-Order Shear Deformable FG-CNTRC Circular Cylindrical Panels. *International Journal of Applied Mechanics*, **2021**, 13, 2150046	2.4	3
114	Free vibration analysis of postbuckled arbitrary-shaped FG-GPL-reinforced porous nanocomposite plates. *Thin-Walled Structures*, **2021**, 163, 107701	4.7	16
113	Thermal Postbuckling of Temperature-Dependent Functionally Graded Nanocomposite Annular Sector Plates Reinforced by Carbon Nanotubes. *International Journal of Structural Stability and Dynamics*, **2021**, 21, 2150026	1.9	7
112	Analytical investigation on the nonlinear postbuckling of functionally graded porous cylindrical shells reinforced with graphene nanoplatelets. *European Physical Journal Plus*, **2021**, 136, 1	3.1	7
111	Buckling and Postbuckling of Plates Made of FG-GPL-Reinforced Porous Nanocomposite with Various Shapes and Boundary Conditions. *International Journal of Structural Stability and Dynamics*, **2021**, 21, 2150063	1.9	4
110	Nonlinear Forced Vibration Analysis of FG Cylindrical Nanopanels Based on Mindlin's Strain Gradient Theory and 3D Elasticity. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2020**, 21, 523-537	1.8	3
109	Three-dimensional nonlinear primary resonance of functionally graded rectangular small-scale plates based on strain gradeint elasticity theory. *Thin-Walled Structures*, **2020**, 150, 106681	4.7	7
108	Thermal postbuckling analysis of FG-CNTRC plates with various shapes and temperature-dependent properties using the VDQ-FEM technique. *Aerospace Science and Technology*, **2020**, 106, 106078	4.9	21
107	Nonlinear bending analysis of arbitrary-shaped porous nanocomposite plates using a novel numerical approach. *International Journal of Non-Linear Mechanics*, **2020**, 126, 103556	2.8	24
106	A Numerical Investigation into the Primary Resonant Dynamics of Magneto-Electro-Thermo-Elastic Plates. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2020**, 44, 571-583	1.2	0
105	Postbuckling analysis of functionally graded graphene platelet-reinforced polymer composite cylindrical shells using an analytical solution approach. *Applied Mathematics and Mechanics (English Edition)*, **2019**, 40, 1001-1016	3.2	13
104	Nonlinear bending analysis of nanoplates made of FGMs based on the most general strain gradient model and 3D elasticity theory. *European Physical Journal Plus*, **2019**, 134, 1	3.1	5
103	Half-space contact problem considering strain gradient and surface effects: An analytical approach. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2019**, 99, e201700190	1	5
102	On the Nonlinear Vibrations of Polymer Nanocomposite Rectangular Plates Reinforced by Graphene Nanoplatelets: A Unified Higher-Order Shear Deformable Model. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2019**, 43, 603-620	1.2	33
101	Pre- and post-buckling analysis of FG cylindrical nanoshells in thermal environment considering the surface stress effect. *Materials Research Express*, **2019**, 6, 095067	1.7	5
100	On the vibration of postbuckled functionally graded carbon nanotube-reinforced composite annular plates. *Scientia Iranica*, **2019**, 0-0	1.5	2

99	ASYMMETRIC NONLINEAR BENDING ANALYSIS OF POLYMERIC COMPOSITE ANNULAR PLATES REINFORCED WITH GRAPHENE NANOPLATELETS. *International Journal for Multiscale Computational Engineering*, **2019**, 17, 45-63	2.4	23
98	SIZE-DEPENDENT GEOMETRICALLY NONLINEAR BENDING AND POSTBUCKLING OF NANOCRYSTALLINE SILICON RECTANGULAR PLATES BASED ON MINDLIN'S STRAIN GRADIENT THEORY. *International Journal for Multiscale Computational Engineering*, **2019**, 17, 583-606	2.4	2
97	Nonlinear stability and vibration of pre/post-buckled multilayer FG-GPLRPC rectangular plates. *Applied Mathematical Modelling*, **2019**, 65, 627-660	4.5	54
96	Geometrically nonlinear free vibration analysis of shear deformable magneto-electro-elastic plates considering thermal effects based on a novel variational approach. *Thin-Walled Structures*, **2019**, 135, 12-20	4.7	12
95	Nonlinear Pull-In Instability of Strain Gradient Microplates Made of Functionally Graded Materials. *International Journal of Structural Stability and Dynamics*, **2019**, 19, 1950007	1.9	8
94	Imperfection Sensitivity of Post-Buckling Behavior and Vibration Response in Pre- and Post-Buckled Regions of Nanoscale Plates Considering Surface Effects. *International Journal of Applied Mechanics*, **2018**, 10, 1850027	2.4	11
93	Geometrically nonlinear resonance of higher-order shear deformable functionally graded carbon-nanotube-reinforced composite annular sector plates excited by harmonic transverse loading. *European Physical Journal Plus*, **2018**, 133, 1	3.1	32
92	Numerical study on the nonlinear resonant dynamics of carbon nanotube/fiber/polymer multiscale laminated composite rectangular plates with various boundary conditions. *Aerospace Science and Technology*, **2018**, 78, 118-129	4.9	25
91	Analytical Treatment of the Size-Dependent Nonlinear Postbuckling of Functionally Graded Circular Cylindrical Micro-/Nano-Shells. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2018**, 42, 85-97	1.2	15
90	Nonlinear bending of third-order shear deformable carbon nanotube/fiber/polymer multiscale laminated composite rectangular plates with different edge supports. *European Physical Journal Plus*, **2018**, 133, 1	3.1	29
89	Vibration of FG-CNTRC annular sector plates resting on the Winkler-Pasternak elastic foundation under a periodic radial compressive load. *Materials Research Express*, **2018**, 5, 115301	1.7	7
88	The effect of initial geometric imperfection on the nonlinear resonance of functionally graded carbon nanotube-reinforced composite rectangular plates. *Applied Mathematics and Mechanics (English Edition)*, **2018**, 39, 1219-1238	3.2	15
87	Size-Dependent Geometrically Nonlinear Free Vibration of First-Order Shear Deformable Piezoelectric-Piezomagnetic Nanobeams Using the Nonlocal Theory. *Advances in Applied Mathematics and Mechanics*, **2018**, 10, 184-208	2.1	7
86	Grain size and nanoscale effects on the nonlinear pull-in instability and vibrations of electrostatic actuators made of nanocrystalline material. *Materials Research Express*, **2018**, 5, 015012	1.7	7
85	Nonlinear harmonically excited vibration of third-order shear deformable functionally graded graphene platelet-reinforced composite rectangular plates. *Engineering Structures*, **2018**, 156, 197-209	4.7	98
84	Nonlocal large-amplitude vibration of embedded higher-order shear deformable multiferroic composite rectangular nanoplates with different edge conditions. *Journal of Intelligent Material Systems and Structures*, **2018**, 29, 944-968	2.3	13
83	Analyzing primary resonant dynamics of functionally graded nanoplates based on a surface third-order shear deformation model. *Thin-Walled Structures*, **2018**, 131, 487-499	4.7	9
82	Postbuckling behavior of functionally graded nanobeams subjected to thermal loading based on the surface elasticity theory. *Meccanica*, **2017**, 52, 283-297	2.1	13

81	Size-Dependent Buckling and Postbuckling Analyses of First-Order Shear Deformable Magneto-Electro-Thermo Elastic Nanoplates Based on the Nonlocal Elasticity Theory. *International Journal of Structural Stability and Dynamics*, **2017**, 17, 1750014	1.9	44
80	A unified nonlocal nonlinear higher-order shear deformable plate model for postbuckling analysis of piezoelectric-piezomagnetic rectangular nanoplates with various edge supports. *Composite Structures*, **2017**, 166, 202-218	5.3	30
79	Nonlinear resonant dynamics of geometrically imperfect higher-order shear deformable functionally graded carbon-nanotube reinforced composite beams. *Composite Structures*, **2017**, 174, 45-58	5.3	45
78	Size-dependent bending, buckling and vibration of higher-order shear deformable magneto-electro-thermo-elastic rectangular nanoplates. *Materials Research Express*, **2017**, 4, 065702	1.7	20
77	Nonlinear resonance responses of geometrically imperfect shear deformable nanobeams including surface stress effects. *International Journal of Non-Linear Mechanics*, **2017**, 97, 115-125	2.8	12
76	Large deflection geometrically nonlinear analysis of functionally graded multilayer graphene platelet-reinforced polymer composite rectangular plates. *Composite Structures*, **2017**, 180, 760-771	5.3	62
75	Dynamic stability analysis of multi-walled carbon nanotubes with arbitrary boundary conditions based on the nonlocal elasticity theory. *Mechanics of Advanced Materials and Structures*, **2017**, 24, 1180-1188	1.8	12
74	Surface effect on the large amplitude periodic forced vibration of first-order shear deformable rectangular nanoplates with various edge supports. *Acta Astronautica*, **2016**, 118, 72-89	2.9	53
73	Nonlocal free vibration in the pre- and post-buckled states of magneto-electro-thermo elastic rectangular nanoplates with various edge conditions. *Smart Materials and Structures*, **2016**, 25, 095033	3.4	56
72	Nonlinear primary resonance of third-order shear deformable functionally graded nanocomposite rectangular plates reinforced by carbon nanotubes. *Composite Structures*, **2016**, 154, 707-723	5.3	40
71	Analytical solution approach for nonlinear buckling and postbuckling analysis of cylindrical nanoshells based on surface elasticity theory. *Applied Mathematics and Mechanics (English Edition)*, **2016**, 37, 903-918	3.2	16
70	Coupled longitudinal-transverse-rotational free vibration of post-buckled functionally graded first-order shear deformable micro- and nano-beams based on the Mindlin's strain gradient theory. *Applied Mathematical Modelling*, **2016**, 40, 9872-9891	4.5	30
69	Vibration and buckling of first-order shear deformable circular cylindrical micro-/nano-shells based on Mindlin's strain gradient elasticity theory. *European Journal of Mechanics, A/Solids*, **2016**, 58, 76-88	3.7	59
68	Analytical solution for nonlinear postbuckling of functionally graded carbon nanotube-reinforced composite shells with piezoelectric layers. *Composites Part B: Engineering*, **2016**, 90, 267-277	10	110
67	Size-dependent nonlinear mechanical behavior of third-order shear deformable functionally graded microbeams using the variational differential quadrature method. *Composite Structures*, **2016**, 136, 669-683	5.3	55
66	A most general strain gradient plate formulation for size-dependent geometrically nonlinear free vibration analysis of functionally graded shear deformable rectangular microplates. *Nonlinear Dynamics*, **2016**, 84, 2403-2422	5	38
65	Thermo-electro-mechanical vibration of postbuckled piezoelectric Timoshenko nanobeams based on the nonlocal elasticity theory. *Composites Part B: Engineering*, **2016**, 89, 316-327	10	95
64	Geometrically nonlinear free vibration and instability of fluid-conveying nanoscale pipes including surface stress effects. *Microfluidics and Nanofluidics*, **2016**, 20, 1	2.8	57

63	Size-dependent geometrically nonlinear free vibration analysis of fractional viscoelastic nanobeams based on the nonlocal elasticity theory. *Physica E: Low-Dimensional Systems and Nanostructures*, **2016**, 75, 266-271	3	68
62	Nonlocal nonlinear first-order shear deformable beam model for postbuckling analysis of magneto-electro-thermo elastic nanobeams. *Scientia Iranica*, **2016**, 23, 3099-3114	1.5	11
61	Size-Dependent Bending, Buckling and Free Vibration Analyses of Microscale Functionally Graded Mindlin Plates Based on the Strain Gradient Elasticity Theory. *Latin American Journal of Solids and Structures*, **2016**, 13, 632-664	1.4	17
60	Size-Dependent Geometrically Nonlinear Forced Vibration Analysis of Functionally Graded First-Order Shear Deformable Microplates. *Journal of Mechanics*, **2016**, 32, 539-554	1	17
59	Size-Dependent Nonlinear Vibrations of First-Order Shear Deformable Magneto-Electro-Thermo Elastic Nanoplates Based on the Nonlocal Elasticity Theory. *International Journal of Applied Mechanics*, **2016**, 08, 1650053	2.4	59
58	Wave Characteristics of Nanotubes Conveying Fluid Based on the Non-classical Timoshenko Beam Model Incorporating Surface Energies. *Arabian Journal for Science and Engineering*, **2016**, 41, 4359-4369		11
57	Size-dependent modeling of the free vibration characteristics of postbuckled third-order shear deformable rectangular nanoplates based on the surface stress elasticity theory. *Composites Part B: Engineering*, **2016**, 95, 301-316	10	45
56	Size-dependent thermo-mechanical vibration and instability of conveying fluid functionally graded nanoshells based on Mindlin's strain gradient theory. *Thin-Walled Structures*, **2016**, 105, 172-184	4.7	72
55	Size-dependent nonlinear forced vibration analysis of magneto-electro-thermo-elastic Timoshenko nanobeams based upon the nonlocal elasticity theory. *Composite Structures*, **2015**, 126, 216-226	5.3	115
54	Surface stress effect on the vibration and instability of nanoscale pipes conveying fluid based on a size-dependent Timoshenko beam model. *Acta Mechanica Sinica/Lixue Xuebao*, **2015**, 31, 708-719	2	46
53	Size-Dependent Resonant Frequency and Flexural Sensitivity of Atomic Force Microscope Microcantilevers Based on the Modified Strain Gradient Theory. *International Journal of Optomechatronics*, **2015**, 9, 111-130	3.5	15
52	Size-dependent vibration and instability of fluid-conveying functionally graded microshells based on the modified couple stress theory. *Microfluidics and Nanofluidics*, **2015**, 19, 509-522	2.8	64
51	An exact solution for the nonlinear forced vibration of functionally graded nanobeams in thermal environment based on surface elasticity theory. *Thin-Walled Structures*, **2015**, 93, 169-176	4.7	96
50	A Nonlinear Shear Deformable Nanoplate Model Including Surface Effects for Large Amplitude Vibrations of Rectangular Nanoplates with Various Boundary Conditions. *International Journal of Applied Mechanics*, **2015**, 07, 1550076	2.4	22
49	Nonlinear analysis of forced vibration of nonlocal third-order shear deformable beam model of magneto-electro-thermo elastic nanobeams. *Composites Part B: Engineering*, **2015**, 83, 226-241	10	69
48	Buckling and postbuckling of single-walled carbon nanotubes based on a nonlocal Timoshenko beam model. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2015**, 95, 939-951	1	20
47	Axial Buckling and Dynamic Stability of Functionally Graded Microshells Based on the Modified Couple Stress Theory. *International Journal of Structural Stability and Dynamics*, **2015**, 15, 1450070	1.9	34
46	Bending, buckling and free vibration analysis of size-dependent functionally graded circular/annular microplates based on the modified strain gradient elasticity theory. *European Journal of Mechanics, A/Solids*, **2015**, 49, 251-267	3.7	84

45	Size-dependent nonlinear bending and postbuckling of functionally graded Mindlin rectangular microplates considering the physical neutral plane position. *Composite Structures*, **2015**, 127, 87-98	5.3	39
44	Dynamic stability analysis of embedded multi-walled carbon nanotubes in thermal environment. *Acta Mechanica Solida Sinica*, **2015**, 28, 659-667	2	28
43	Studying the effects of small scale and Casimir force on the non-linear pull-in instability and vibrations of FGM microswitches under electrostatic actuation. *International Journal of Non-Linear Mechanics*, **2015**, 77, 193-207	2.8	24
42	Forced vibration analysis of functionally graded carbon nanotube-reinforced composite plates using a numerical strategy. *Physica E: Low-Dimensional Systems and Nanostructures*, **2015**, 69, 294-305	3	74
41	On the bending and buckling behaviors of Mindlin nanoplates considering surface energies. *Physica E: Low-Dimensional Systems and Nanostructures*, **2014**, 57, 126-137	3	33
40	Postbuckling analysis of Timoshenko nanobeams including surface stress effect. *International Journal of Engineering Science*, **2014**, 75, 1-10	5.7	50
39	Surface stress effect on the postbuckling and free vibrations of axisymmetric circular Mindlin nanoplates subject to various edge supports. *Composite Structures*, **2014**, 112, 358-367	5.3	21
38	Nonlinear vibrations of functionally graded Mindlin microplates based on the modified couple stress theory. *Composite Structures*, **2014**, 114, 124-134	5.3	72
37	Size-Dependent Thermal Buckling and Postbuckling of Functionally Graded Annular Microplates Based on the Modified Strain Gradient Theory. *Journal of Thermal Stresses*, **2014**, 37, 174-201	2.2	16
36	A geometrically non-linear plate model including surface stress effect for the pull-in instability analysis of rectangular nanoplates under hydrostatic and electrostatic actuations. *International Journal of Non-Linear Mechanics*, **2014**, 67, 16-26	2.8	29
35	Free Vibration of Size-Dependent Functionally Graded Microbeams Based on the Strain Gradient Reddy Beam Theory. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2014**, 15, 401-412	0.7	10
34	Size-dependent axial buckling analysis of functionally graded circular cylindrical microshells based on the modified strain gradient elasticity theory. *Meccanica*, **2014**, 49, 1679-1695	2.1	52
33	Nonlinear vibration analysis of Timoshenko nanobeams based on surface stress elasticity theory. *European Journal of Mechanics, A/Solids*, **2014**, 45, 143-152	3.7	57
32	Half-metallicity of C/BN hybrid nanoribbons containing a topological defective interface. *Physica E: Low-Dimensional Systems and Nanostructures*, **2014**, 60, 224-228	3	1
31	Surface stress effect on the pull-in instability of circular nanoplates. *Acta Astronautica*, **2014**, 102, 140-150	2.9	43
30	Size-dependent nonlinear vibration and instability of embedded fluid-conveying SWBNNTs in thermal environment. *Physica E: Low-Dimensional Systems and Nanostructures*, **2014**, 61, 148-157	3	50
29	Size-dependent vibrations of post-buckled functionally graded Mindlin rectangular microplates. *Latin American Journal of Solids and Structures*, **2014**, 11, 2351-2378	1.4	10
28	Nonlinear Vibration Analysis of Microscale Functionally Graded Timoshenko Beams using the Most General form of Strain Gradient Elasticity. *Journal of Mechanics*, **2014**, 30, 161-172	1	15

27	Nonlinear forced vibration analysis of functionally graded carbon nanotube-reinforced composite Timoshenko beams. *Composite Structures*, **2014**, 113, 316-327	5.3	157
26	On the forced vibration analysis of Timoshenko nanobeams based on the surface stress elasticity theory. *Composites Part B: Engineering*, **2014**, 60, 158-166	10	64
25	Prediction of compressive post-buckling behavior of single-walled carbon nanotubes in thermal environments. *Applied Physics A: Materials Science and Processing*, **2013**, 113, 145-153	2.6	11
24	Size-Dependent Pull-In Instability of Hydrostatically and Electrostatically Actuated Circular Microplates. *Journal of Computational and Nonlinear Dynamics*, **2013**, 8,	1.4	26
23	Various gradient elasticity theories in predicting vibrational response of single-walled carbon nanotubes with arbitrary boundary conditions. *JVC/Journal of Vibration and Control*, **2013**, 19, 708-719	2	15
22	Postbuckling characteristics of nanobeams based on the surface elasticity theory. *Composites Part B: Engineering*, **2013**, 55, 240-246	10	51
21	Size-dependent dynamic pull-in instability of hydrostatically and electrostatically actuated circular microplates. *Nonlinear Dynamics*, **2013**, 73, 1515-1526	5	27
20	Thermal Buckling Analysis of a Mindlin Rectangular FGM Microplate Based on the Strain Gradient Theory. *Journal of Thermal Stresses*, **2013**, 36, 446-465	2.2	31
19	Dynamic stability analysis of functionally graded higher-order shear deformable microshells based on the modified couple stress elasticity theory. *Composites Part B: Engineering*, **2013**, 51, 44-53	10	99
18	Size-dependent bending, buckling and free vibration of functionally graded Timoshenko microbeams based on the most general strain gradient theory. *Composite Structures*, **2013**, 100, 385-397	5.3	124
17	Thermal postbuckling behavior of size-dependent functionally graded Timoshenko microbeams. *International Journal of Non-Linear Mechanics*, **2013**, 50, 127-135	2.8	63
16	Size-dependent vibration of functionally graded curved microbeams based on the modified strain gradient elasticity theory. *Archive of Applied Mechanics*, **2013**, 83, 1439-1449	2.2	50
15	Torsional Vibration Analysis of Carbon Nanotubes Based on the Strain Gradient Theory and Molecular Dynamic Simulations. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2013**, 135,	1.6	27
14	Surface Stress Effect on the Vibrational Response of Circular Nanoplates With Various Edge Supports. *Journal of Applied Mechanics, Transactions ASME*, **2013**, 80,	2.7	29
13	BUCKLING OF FGM TIMOSHENKO MICROBEAMS UNDER IN-PLANE THERMAL LOADING BASED ON THE MODIFIED STRAIN GRADIENT THEORY. *International Journal for Multiscale Computational Engineering*, **2013**, 11, 389-405	2.4	7
12	Nonlocal beam theory for nonlinear vibrations of embedded multiwalled carbon nanotubes in thermal environment. *Nonlinear Dynamics*, **2012**, 67, 2241-2254	5	39
11	Buckling and postbuckling behavior of functionally graded Timoshenko microbeams based on the strain gradient theory. *Journal of Mechanics of Materials and Structures*, **2012**, 7, 931-949	1.2	10
10	On the dynamic stability of embedded single-walled carbon nanotubes including thermal environment effects. *Scientia Iranica*, **2012**, 19, 919-925	1.5	29

9	Vibration analysis of single-walled carbon nanotubes using different gradient elasticity theories. *Composites Part B: Engineering*, **2012**, 43, 2985-2989	10	72
8	Nonlinear free vibration of embedded double-walled carbon nanotubes with layerwise boundary conditions. *Acta Mechanica*, **2012**, 223, 2523-2536	2.1	15
7	A nonlinear Timoshenko beam formulation based on strain gradient theory. *Journal of Mechanics of Materials and Structures*, **2012**, 7, 195-211	1.2	38
6	Surface Stress Effect on the Pull-In Instability of Hydrostatically and Electrostatically Actuated Rectangular Nanoplates With Various Edge Supports. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2012**, 134,	1.8	30
5	Study of Small Scale Effects on the Nonlinear Vibration Response of Functionally Graded Timoshenko Microbeams Based on the Strain Gradient Theory. *Journal of Computational and Nonlinear Dynamics*, **2012**, 7,	1.4	46
4	A sixth-order compact finite difference method for vibrational analysis of nanobeams embedded in an elastic medium based on nonlocal beam theory. *Mathematical and Computer Modelling*, **2011**, 54, 2577-2586		42
3	Free vibration analysis of size-dependent functionally graded microbeams based on the strain gradient Timoshenko beam theory. *Composite Structures*, **2011**, 94, 221-228	5.3	260
2	Thermal Buckling Analysis of Embedded Single-Walled Carbon Nanotubes with Arbitrary Boundary Conditions Using the Nonlocal Timoshenko Beam Theory. *Journal of Thermal Stresses*, **2011**, 34, 1271-1281	2.2	34
1	Size-dependent free vibration and buckling analysis of magneto-electro-thermo-elastic nanoplates based on the third-order shear deformable nonlocal plate model. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*,095440622210791	1.3	0