

# Parviz Malekzadeh

## List of Publications by Year in descending order

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92  
papers

3,510  
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94433  
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#	ARTICLE	IF	CITATIONS
1	Two-dimensional low-velocity impact analysis of curved sandwich beams with FG-CNTRC face sheets and porous core. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 5834-5855.	4.7	5
2	A size-dependent nonlinear finite element free vibration analysis of multilayer FG-GPLRC toroidal micropanels in thermal environment. <i>Composite Structures</i> , 2022, 279, 114783.	5.8	8
3	Nonlinear free vibration of rotating FG trapezoidal microplates in thermal environment. <i>Thin-Walled Structures</i> , 2022, 170, 108614.	5.3	10
4	Numerical instability investigation of composite pipes reinforced by carbon nanotubes based on higher-order shear deformation theory. <i>Marine Structures</i> , 2022, 82, 103141.	3.8	10
5	Dynamic instability of magnetically embedded functionally graded porous nanobeams using the strain gradient theory. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 10025-10044.	6.4	33
6	Nonlinear free vibrations and stability analysis of FG-CNTRC pipes conveying fluid based on Timoshenko model. <i>Composite Structures</i> , 2022, 292, 115637.	5.8	14
7	Dynamic torsional analysis of a functionally graded coated circular shafts weakened by multiple radial cracks. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 121, 103493.	4.7	0
8	Nonlinear Thermal Stability of Rotating Pre-twisted Temperature-Dependent FG Microblades. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2021, 45, 1-22.	1.3	1
9	Analytical solutions of multiple cracks and cavities in a rectangular cross-section bar coated by a functionally graded layer under torsion. <i>Archive of Applied Mechanics</i> , 2021, 91, 2189-2209.	2.2	3
10	Influences of pressure and thermal environment on nonlinear vibration characteristics of multilayer FG-GPLRC toroidal panels on nonlinear elastic foundation. <i>Composite Structures</i> , 2021, 259, 113503.	5.8	15
11	Effects of cutout and thermal environment on vibration of FG cylindrical micropanels based on the three-dimensional MCST. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	3
12	Analysis of vibration in rotating pretwisted functionally graded graphene platelets reinforced nanocomposite laminated blades with an attached point mass. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 6690-6710.	2.1	5
13	Nonlinear deformation of rotating functionally graded trapezoidal microplates in thermal environment. <i>Composite Structures</i> , 2021, 265, 113675.	5.8	6
14	Effects of functionally graded coating layer on the torsional behavior of circular cross-section bars with multiple cracks and cavities. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 113, 102977.	4.7	1
15	Dynamic response analysis of viscoelastic pavement using differential quadrature element method. <i>International Journal of Pavement Engineering</i> , 2020, 21, 1321-1335.	4.4	6
16	Inverse Dynamic Analysis of an Inclined FGM Beam Due to Moving Load for Estimating the Mass of Moving Load Based on a CGM. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2020, 44, 543-556.	1.3	5
17	Thermoelastic analysis of rotating multilayer FG-GPLRC truncated conical shells based on a coupled TDQM-NURBS scheme. <i>Composite Structures</i> , 2020, 235, 111707.	5.8	58
18	Meshfree radial point interpolation method for the vibration and buckling analysis of FG-GPLRC perforated plates under an in-plane loading. <i>Engineering Structures</i> , 2020, 221, 111000.	5.3	56

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19	Thermoelastic Analysis of Functionally Graded Cylindrical Panels with Piezoelectric Layers. Applied Sciences (Switzerland), 2020, 10, 1397.	2.5	24
20	Vibration of Triangular Functionally Graded Carbon Nanotubes Reinforced Composite Plates with Elastically Restrained Edges in Thermal Environment. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 653-678.	1.3	10
21	Thermoelastic Analysis of Multilayered FG Spherical Shells Based on Lord-Shulman Theory. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 845-867.	1.3	9
22	A Unified Higher-Order Beam Theory for Free Vibration and Buckling of FGCNT-Reinforced Microbeams Embedded in Elastic Medium Based on Unifying Stress-Strain Gradient Framework. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 469-492.	1.3	8
23	Vibration of multilayer FG-GPLRC toroidal panels with elastically restrained against rotation edges. Thin-Walled Structures, 2019, 143, 106209.	5.3	30
24	Dynamic stability of cylindrical nanoshells under combined static and periodic axial loads. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	9
25	Post-buckling and vibration of post-buckled rotating pre-twisted FG microbeams in thermal environment. Thin-Walled Structures, 2019, 138, 335-360.	5.3	36
26	Thermoelastic analysis of FG-GPLRC spherical shells under thermo-mechanical loadings based on Lord-Shulman theory. Composites Part B: Engineering, 2019, 164, 400-424.	12.0	41
27	A unified formulation for free vibration of functionally graded plates. Science and Engineering of Composite Materials, 2018, 25, 109-122.	1.4	4
28	Vibration of FG-GPLs eccentric annular plates embedded in piezoelectric layers using a transformed differential quadrature method. Computer Methods in Applied Mechanics and Engineering, 2018, 340, 451-479.	6.6	92
29	Dynamic Stability of Rotating FG-CNTRC Cylindrical Shells under Combined Static and Periodic Axial Loads. International Journal of Structural Stability and Dynamics, 2018, 18, 1850151.	2.4	40
30	Thermal buckling of functionally graded triangular microplates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	17
31	Thermal environmental effects on free vibration of functionally graded isosceles triangular microplates. Mechanics of Advanced Materials and Structures, 2017, 24, 885-907.	2.6	10
32	Time Domain Dynamic Analysis of Floating Piles under Impact Loads. International Journal of Geomechanics, 2017, 17, .	2.7	8
33	Thermoelastic buckling analysis of pre-twisted functionally graded beams with temperature-dependent material properties. Acta Astronautica, 2017, 133, 1-13.	3.2	18
34	Nonlinear vibration analysis of pre-twisted functionally graded microbeams in thermal environment. Thin-Walled Structures, 2017, 118, 87-104.	5.3	43
35	Vibration analysis of pre-twisted functionally graded carbon nanotube reinforced composite beams in thermal environment. Composite Structures, 2017, 162, 325-340.	5.8	59
36	Thermal buckling of rotating pre-twisted functionally graded microbeams with temperature-dependent material properties. Acta Mechanica, 2017, 228, 1115-1133.	2.1	16

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37	Dynamic response of functionally graded beams in a thermal environment under a moving load. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 248-258.	2.6	33
38	Free vibration of functionally graded quadrilateral microplates in thermal environment. <i>Thin-Walled Structures</i> , 2016, 106, 294-315.	5.3	51
39	Vibrational behavior of variable section functionally graded microbeams carrying microparticles in thermal environment. <i>Thin-Walled Structures</i> , 2016, 108, 122-137.	5.3	16
40	Vibration of functionally graded carbon nanotubes reinforced composite truncated conical panels with elastically restrained against rotation edges in thermal environment. <i>Composites Part B: Engineering</i> , 2016, 106, 242-261.	12.0	71
41	Vibrational behavior of rotating pre-twisted functionally graded microbeams in thermal environment. <i>Composite Structures</i> , 2016, 157, 222-235.	5.8	38
42	Temperature-dependent discrete layer-differential quadrature bending analysis of the multi-layered functionally graded annular plates rested on a two-parameter elastic foundation. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 43-58.	2.6	5
43	Low velocity impact analysis of functionally graded carbon nanotubes reinforced composite skew plates. <i>Composite Structures</i> , 2016, 140, 728-748.	5.8	84
44	Thermal effect on free vibration of functionally graded truncated conical shell panels. <i>Thin-Walled Structures</i> , 2016, 103, 45-61.	5.3	73
45	Vibration of functionally graded carbon nanotube-reinforced composite plates under a moving load. <i>Science and Engineering of Composite Materials</i> , 2015, 22, 37-55.	1.4	41
46	Nonlinear Free Vibration of In-Plane Functionally Graded Rectangular Plates. <i>Mechanics of Advanced Materials and Structures</i> , 2015, 22, 633-640.	2.6	22
47	A two-variable first-order shear deformation theory coupled with surface and nonlocal effects for free vibration of nanoplates. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 2755-2772.	2.6	34
48	Mixed Navier-layerwise differential quadrature three-dimensional static and free vibration analysis of functionally graded carbon nanotube reinforced composite laminated plates. <i>Meccanica</i> , 2015, 50, 143-167.	2.0	65
49	Three-dimensional thermoelastic analysis of finite length laminated cylindrical panels with functionally graded layers. <i>Meccanica</i> , 2014, 49, 887-906.	2.0	16
50	Quasi-static analysis of multilayered domains with viscoelastic layer using incremental-layerwise finite element method. <i>Mechanics of Time-Dependent Materials</i> , 2014, 18, 275-291.	4.4	19
51	Free vibration of quadrilateral laminated plates with carbon nanotube reinforced composite layers. <i>Thin-Walled Structures</i> , 2014, 82, 221-232.	5.3	163
52	A Three-Dimensional Layerwise-Differential Quadrature Free Vibration of Thick Skew Laminated Composite Plates. <i>Mechanics of Advanced Materials and Structures</i> , 2014, 21, 792-801.	2.6	15
53	Inverse internal pressure estimation of functionally graded cylindrical shells under thermal environment. <i>Acta Mechanica</i> , 2014, 225, 3377-3393.	2.1	10
54	Thermal Buckling Optimization of Temperature-Dependent Laminated Composite Skew Plates. <i>Journal of Aerospace Engineering</i> , 2014, 27, 64-75.	1.4	33

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55	Dynamic analysis of functionally graded truncated conical shells subjected to asymmetric moving loads. <i>Thin-Walled Structures</i> , 2014, 84, 1-13.	5.3	27
56	Dynamic response of functionally graded beams under moving heat source. <i>JVC/Journal of Vibration and Control</i> , 2014, 20, 803-814.	2.6	18
57	Thermal Buckling Analysis of Orthotropic Nanoplates on Nonlinear Elastic Foundation. , 2014, , 4862-4872.		2
58	An efficient algorithm based on the differential quadrature method for solving Navier–Stokes equations. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 71, 422-445.	1.6	8
59	Buckling analysis of quadrilateral laminated plates with carbon nanotubes reinforced composite layers. <i>Thin-Walled Structures</i> , 2013, 71, 108-118.	5.3	110
60	Surface and nonlocal effects on the nonlinear free vibration of non-uniform nanobeams. <i>Composites Part B: Engineering</i> , 2013, 52, 84-92.	12.0	164
61	Free vibration analysis of rotating functionally graded truncated conical shells. <i>Composite Structures</i> , 2013, 97, 176-188.	5.8	80
62	Axisymmetric free and forced vibrations of initially stressed circular nanoplates embedded in an elastic medium. <i>Acta Mechanica</i> , 2012, 223, 2311-2330.	2.1	41
63	Three-dimensional free vibration of functionally graded truncated conical shells subjected to thermal environment. <i>International Journal of Pressure Vessels and Piping</i> , 2012, 89, 210-221.	2.6	73
64	Heat conduction analysis of multi-layered FGMs considering the finite heat wave speed. <i>Energy Conversion and Management</i> , 2012, 55, 14-19.	9.2	30
65	Response of functionally graded cylindrical shells under moving thermo-mechanical loads. <i>Thin-Walled Structures</i> , 2012, 58, 51-66.	5.3	48
66	Buckling analysis of functionally graded arbitrary straight-sided quadrilateral plates on elastic foundations. <i>Meccanica</i> , 2012, 47, 321-333.	2.0	42
67	Three-Dimensional Transient Optimal Boundary Heating of Functionally Graded Plates. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2011, 59, 76-95.	0.9	11
68	The radiation and variable viscosity effects on electrically conducting fluid over a vertically moving plate subjected to suction and heat flux. <i>Energy Conversion and Management</i> , 2011, 52, 2040-2047.	9.2	11
69	Free vibration analysis of elastically supported functionally graded annular plates subjected to thermal environment. <i>Meccanica</i> , 2011, 46, 893-913.	2.0	79
70	Three-dimensional thermal buckling analysis of functionally graded arbitrary straight-sided quadrilateral plates using differential quadrature method. <i>Composite Structures</i> , 2011, 93, 1246-1254.	5.8	56
71	Small scale effect on the free vibration of orthotropic arbitrary straight-sided quadrilateral nanoplates. <i>Composite Structures</i> , 2011, 93, 1631-1639.	5.8	109
72	Small scale effect on the thermal buckling of orthotropic arbitrary straight-sided quadrilateral nanoplates embedded in an elastic medium. <i>Composite Structures</i> , 2011, 93, 2083-2089.	5.8	95

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73	Thermal postbuckling of laminated composite skew plates with temperature-dependent properties. <i>Thin-Walled Structures</i> , 2011, 49, 913-922.	5.3	42
74	Post-buckling analysis of variable cross-section cantilever beams under combined load via differential quadrature method. <i>KSCE Journal of Civil Engineering</i> , 2010, 14, 207-214.	1.9	8
75	Differential quadrature application in post-buckling analysis of a hinged-fixed elastica under terminal forces and self-weight. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 331-336.	1.5	7
76	Temperature control of functionally graded plates using a feedforwardâ€“feedback controller based on the inverse solution and proportional-derivative controller. <i>Energy Conversion and Management</i> , 2010, 51, 140-146.	9.2	19
77	Three-dimensional free vibration of thick functionally graded annular plates in thermal environment. <i>Journal of Sound and Vibration</i> , 2010, 329, 425-442.	3.9	88
78	A semi-analytical three-dimensional free vibration analysis of functionally graded curved panels. <i>International Journal of Pressure Vessels and Piping</i> , 2010, 87, 470-480.	2.6	50
79	Three-dimensional layerwise-finite element free vibration analysis of thick laminated annular plates on elastic foundation. <i>Applied Mathematical Modelling</i> , 2010, 34, 776-790.	4.2	55
80	Dynamic response of thick laminated annular sector plates subjected to moving load. <i>Composite Structures</i> , 2010, 92, 155-163.	5.8	37
81	Three-dimensional inverse transient heat transfer analysis of thick functionally graded plates. <i>Energy Conversion and Management</i> , 2009, 50, 450-457.	9.2	27
82	DQM large amplitude vibration of composite beams on nonlinear elastic foundations with restrained edges. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 906-915.	3.3	79
83	Three-dimensional free vibration analysis of thick functionally graded plates on elastic foundations. <i>Composite Structures</i> , 2009, 89, 367-373.	5.8	141
84	Three-dimensional dynamic analysis of laminated composite plates subjected to moving load. <i>Composite Structures</i> , 2009, 90, 105-114.	5.8	71
85	Two-dimensional in-plane free vibrations of functionally graded circular arches with temperature-dependent properties. <i>Composite Structures</i> , 2009, 91, 38-47.	5.8	68
86	A two-dimensional layerwise-differential quadrature static analysis of thick laminated composite circular arches. <i>Applied Mathematical Modelling</i> , 2009, 33, 1850-1861.	4.2	37
87	Nonlinear free vibration of tapered Mindlin plates with edges elastically restrained against rotation using DQM. <i>Thin-Walled Structures</i> , 2008, 46, 11-26.	5.3	38
88	A hybrid layerwise and differential quadrature method for in-plane free vibration of laminated thick circular arches. <i>Journal of Sound and Vibration</i> , 2008, 315, 212-225.	3.9	56
89	Differential quadrature large amplitude free vibration analysis of laminated skew plates based on FSDT. <i>Composite Structures</i> , 2008, 83, 189-200.	5.8	68
90	A three-dimensional layerwise-differential quadrature free vibration analysis of laminated cylindrical shells. <i>International Journal of Pressure Vessels and Piping</i> , 2008, 85, 450-458.	2.6	61

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91	A differential quadrature analysis of unsteady open channel flow. Applied Mathematical Modelling, 2007, 31, 1594-1608.	4.2	47
92	Three-Dimensional Non-Fourier Heat Transfer Analysis of Multilayer Functionally Graded Graphene Platelets Reinforced Composite Truncated Conical Shells. Heat Transfer Engineering, 0, , 1-16.	1.9	5