

Parviz Malekzadeh

List of Publications by Year in descending order

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1432
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#	ARTICLE	IF	CITATIONS
1	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
2	Free vibration of quadrilateral laminated plates with carbon nanotube reinforced composite layers. <i>Thin-Walled Structures</i> , 2014, 82, 221-232.	5.3	163
3	Three-dimensional free vibration analysis of thick functionally graded plates on elastic foundations. <i>Composite Structures</i> , 2009, 89, 367-373.	5.8	141
4	Buckling analysis of quadrilateral laminated plates with carbon nanotubes reinforced composite layers. <i>Thin-Walled Structures</i> , 2013, 71, 108-118.	5.3	110
5	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
6	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
7	Vibration of FG-GPLs eccentric annular plates embedded in piezoelectric layers using a transformed differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 340, 451-479.	6.6	92
8	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
9	Low velocity impact analysis of functionally graded carbon nanotubes reinforced composite skew plates. <i>Composite Structures</i> , 2016, 140, 728-748.	5.8	84
10	Free vibration analysis of rotating functionally graded truncated conical shells. <i>Composite Structures</i> , 2013, 97, 176-188.	5.8	80
11	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
12	Free vibration analysis of elastically supported functionally graded annular plates subjected to thermal environment. <i>Meccanica</i> , 2011, 46, 893-913.	2.0	79
13	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
14	Thermal effect on free vibration of functionally graded truncated conical shell panels. <i>Thin-Walled Structures</i> , 2016, 103, 45-61.	5.3	73
15	Three-dimensional dynamic analysis of laminated composite plates subjected to moving load. <i>Composite Structures</i> , 2009, 90, 105-114.	5.8	71
16	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
17	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
18	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

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19	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
20	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
21	Vibration analysis of pre-twisted functionally graded carbon nanotube reinforced composite beams in thermal environment. <i>Composite Structures</i> , 2017, 162, 325-340.	5.8	59
22	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
23	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
24	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
25	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
26	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
27	Free vibration of functionally graded quadrilateral microplates in thermal environment. <i>Thin-Walled Structures</i> , 2016, 106, 294-315.	5.3	51
28	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
29	Response of functionally graded cylindrical shells under moving thermo-mechanical loads. <i>Thin-Walled Structures</i> , 2012, 58, 51-66.	5.3	48
30	A differential quadrature analysis of unsteady open channel flow. <i>Applied Mathematical Modelling</i> , 2007, 31, 1594-1608.	4.2	47
31	Nonlinear vibration analysis of pre-twisted functionally graded microbeams in thermal environment. <i>Thin-Walled Structures</i> , 2017, 118, 87-104.	5.3	43
32	Thermal postbuckling of laminated composite skew plates with temperature-dependent properties. <i>Thin-Walled Structures</i> , 2011, 49, 913-922.	5.3	42
33	Buckling analysis of functionally graded arbitrary straight-sided quadrilateral plates on elastic foundations. <i>Meccanica</i> , 2012, 47, 321-333.	2.0	42
34	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
35	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
36	Thermoelastic analysis of FG-GPLRC spherical shells under thermo-mechanical loadings based on Lord-Shulman theory. <i>Composites Part B: Engineering</i> , 2019, 164, 400-424.	12.0	41

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37	Dynamic Stability of Rotating FG-CNTRC Cylindrical Shells under Combined Static and Periodic Axial Loads. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850151.	2.4	40
38	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
39	Vibrational behavior of rotating pre-twisted functionally graded microbeams in thermal environment. <i>Composite Structures</i> , 2016, 157, 222-235.	5.8	38
40	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
41	Dynamic response of thick laminated annular sector plates subjected to moving load. <i>Composite Structures</i> , 2010, 92, 155-163.	5.8	37
42	Post-buckling and vibration of post-buckled rotating pre-twisted FG microbeams in thermal environment. <i>Thin-Walled Structures</i> , 2019, 138, 335-360.	5.3	36
43	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
44	Thermal Buckling Optimization of Temperature-Dependent Laminated Composite Skew Plates. <i>Journal of Aerospace Engineering</i> , 2014, 27, 64-75.	1.4	33
45	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
46	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
47	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
48	Vibration of multilayer FG-GPLRC toroidal panels with elastically restrained against rotation edges. <i>Thin-Walled Structures</i> , 2019, 143, 106209.	5.3	30
49	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
50	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
51	Thermoelastic Analysis of Functionally Graded Cylindrical Panels with Piezoelectric Layers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1397.	2.5	24
52	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
53	Temperature control of functionally graded plates using a feedforward“feedback controller based on the inverse solution and proportional-derivative controller. <i>Energy Conversion and Management</i> , 2010, 51, 140-146.	9.2	19
54	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

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55	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
56	Thermoelastic buckling analysis of pre-twisted functionally graded beams with temperature-dependent material properties. <i>Acta Astronautica</i> , 2017, 133, 1-13.	3.2	18
57	Thermal buckling of functionally graded triangular microplates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	17
58	Three-dimensional thermoelastic analysis of finite length laminated cylindrical panels with functionally graded layers. <i>Meccanica</i> , 2014, 49, 887-906.	2.0	16
59	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
60	Thermal buckling of rotating pre-twisted functionally graded microbeams with temperature-dependent material properties. <i>Acta Mechanica</i> , 2017, 228, 1115-1133.	2.1	16
61	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
62	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
63	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
64	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
65	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
66	Inverse internal pressure estimation of functionally graded cylindrical shells under thermal environment. <i>Acta Mechanica</i> , 2014, 225, 3377-3393.	2.1	10
67	Thermal environmental effects on free vibration of functionally graded isosceles triangular microplates. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 885-907.	2.6	10
68	Vibration of Triangular Functionally Graded Carbon Nanotubes Reinforced Composite Plates with Elastically Restrained Edges in Thermal Environment. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 653-678.	1.3	10
69	Nonlinear free vibration of rotating FG trapezoidal microplates in thermal environment. <i>Thin-Walled Structures</i> , 2022, 170, 108614.	5.3	10
70	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
71	Thermoelastic Analysis of Multilayered FG Spherical Shells Based on Lord's Shulman Theory. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 845-867.	1.3	9
72	Dynamic stability of cylindrical nanoshells under combined static and periodic axial loads. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	9

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73	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
74	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
75	Time Domain Dynamic Analysis of Floating Piles under Impact Loads. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	8
76	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. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 469-492.	1.3	8
77	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
78	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
79	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
80	Nonlinear deformation of rotating functionally graded trapezoidal microplates in thermal environment. <i>Composite Structures</i> , 2021, 265, 113675.	5.8	6
81	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
82	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
83	Three-Dimensional Non-Fourier Heat Transfer Analysis of Multilayer Functionally Graded Graphene Platelets Reinforced Composite Truncated Conical Shells. <i>Heat Transfer Engineering</i> , 0, , 1-16.	1.9	5
84	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
85	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
86	A unified formulation for free vibration of functionally graded plates. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 109-122.	1.4	4
87	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
88	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
89	Thermal Buckling Analysis of Orthotropic Nanoplates on Nonlinear Elastic Foundation. , 2014, , 4862-4872.		2
90	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

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91	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
92	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