

Akbar Alibeigloo

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Three-dimensional static analysis of a viscoelastic rectangular functionally graded material plate embedded between piezoelectric sensor and actuator layers. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 3843-3867.	3.4	6
2	Nonlinear aeroelastic analysis of sandwich composite cylindrical panel with auxetic core subjected to the thermal environment. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 3275-3297.	1.5	7
3	Static and thermal instability analysis of embedded functionally graded carbon nanotube-reinforced composite plates based on HSDT via GDQM and validated modeling by neural network. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 7149-7182.	3.4	11
4	Free vibration and instability analysis of a viscoelastic micro-shell conveying viscous fluid based on modified couple stress theory in thermal environment. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1198-1236.	3.4	22
5	Nonlinear free and forced vibration analysis of sandwich cylindrical panel with auxetic core and GPLRC facing sheets in hygrothermal environment. <i>Thin-Walled Structures</i> , 2022, 175, 109164.	2.7	22
6	Size-dependent dynamical analysis of spinning nanotubes conveying magnetic nanoflow considering surface and environmental effects. <i>Applied Mathematical Modelling</i> , 2022, 108, 92-121.	2.2	17
7	Vibration of viscoelastic axially graded beams with simultaneous axial and spinning motions under an axial load. <i>Applied Mathematical Modelling</i> , 2021, 90, 131-150.	2.2	48
8	Parametric study of three-dimensional bending and frequency of FG-GPLRC porous circular and annular plates on different boundary conditions. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 707-737.	3.4	102
9	Elasticity Solution for Bending and Frequency Behavior of Sandwich Cylindrical Shell with FG-CNTRC Face-Sheets and Polymer Core Under Initial Stresses. <i>International Journal of Applied Mechanics</i> , 2021, 13, 2150020.	1.3	13
10	Transient response analysis of sandwich cylindrical panel with FGM core subjected to thermal shock. <i>International Journal of Mechanics and Materials in Design</i> , 2021, 17, 707-719.	1.7	11
11	Three-Dimensional Transient Analysis of FGM Rectangular Sandwich Plate Subjected to Thermal Loading Using State Space Differential Quadrature Method. <i>International Journal of Applied Mechanics</i> , 2021, 13, .	1.3	6
12	Global bending analysis of corrugated sandwich panels with integrated piezoelectric layers. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 1055-1073.	2.0	22
13	Static and free vibration analysis of graphene platelets reinforced composite truncated conical shell, cylindrical shell, and annular plate using theory of elasticity and DQM. <i>Mechanics Based Design of Structures and Machines</i> , 2020, 48, 496-524.	3.4	123
14	High-Accuracy Approach for Thermomechanical Vibration Analysis of FG-Gplrc Fluid-Conveying Viscoelastic Thick Cylindrical Shell. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050073.	1.3	51
15	Buckling analyses of functionally graded graphene-reinforced porous cylindrical shell using the Rayleigh-Ritz method. <i>Acta Mechanica</i> , 2020, 231, 1887-1902.	1.1	57
16	Three-dimensional static and free vibration analysis of graphene platelet-reinforced porous composite cylindrical shell. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1627-1645.	1.5	110
17	Three-dimensional thermoelasticity analysis of graphene platelets reinforced cylindrical panel. <i>European Journal of Mechanics, A/Solids</i> , 2020, 81, 103941.	2.1	28
18	Parametric study of three-dimensional vibration of viscoelastic cylindrical shells on different boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 2567-2579.	1.5	15

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19	Coupled thermoelasticity analysis of FGM plate integrated with piezoelectric layers under thermal shock. <i>Journal of Thermal Stresses</i> , 2019, 42, 1357-1375.	1.1	16
20	Three-Dimensional Static and Free Vibrational Analysis of Graphene Reinforced Composite Circular/Annular Plate Using Differential Quadrature Method. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950073.	1.3	49
21	Thermo elasticity solution of functionally graded, solid, circular, and annular plates integrated with piezoelectric layers using the differential quadrature method. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 766-784.	1.5	26
22	Three-dimensional thermoviscoelastic analysis of a FGM cylindrical panel using state space differential quadrature method. <i>Journal of Thermal Stresses</i> , 2018, 41, 383-398.	1.1	12
23	Coupled thermoelasticity analysis of carbon nano tube reinforced composite rectangular plate subjected to thermal shock. <i>Composites Part B: Engineering</i> , 2018, 153, 445-455.	5.9	26
24	Thermo-electro-elasticity solution of functionally graded carbon nanotube reinforced composite cylindrical shell embedded in piezoelectric layers. <i>Composite Structures</i> , 2017, 173, 268-280.	3.1	31
25	Three-dimensional transient analysis of FGM cylindrical shell subjected to thermal and mechanical loading. <i>Journal of Thermal Stresses</i> , 2017, 40, 1166-1183.	1.1	20
26	Three-dimensional elasticity solution for sandwich panels with corrugated cores by using energy method. <i>Thin-Walled Structures</i> , 2017, 119, 404-411.	2.7	30
27	Static and free vibration analysis of sandwich cylindrical shell based on theory of elasticity and using DQM. <i>Acta Mechanica</i> , 2017, 228, 4123-4140.	1.1	29
28	Three dimensional coupled thermoelasticity solution of sandwich plate with FGM core under thermal shock. <i>Composite Structures</i> , 2017, 177, 96-103.	3.1	53
29	Three dimensional static analysis of viscoelastic FGM cylindrical panel using state space differential quadrature method. <i>European Journal of Mechanics, A/Solids</i> , 2017, 61, 254-266.	2.1	20
30	Static and vibration analysis of sandwich cylindrical shell with functionally graded core and viscoelastic interface using DQM. <i>Composites Part B: Engineering</i> , 2017, 126, 1-16.	5.9	48
31	Thermoelastic analysis of functionally graded carbon nanotube reinforced composite cylindrical panel embedded in piezoelectric sensor and actuator layers. <i>Composites Part B: Engineering</i> , 2016, 98, 225-243.	5.9	33
32	Three dimensional thermoviscoelastic analysis of a simply supported FGM cylindrical panel. <i>Composite Structures</i> , 2016, 148, 181-190.	3.1	12
33	Thermoelastic damping analysis of FG Mindlin microplates using strain gradient theory. <i>Journal of Thermal Stresses</i> , 2016, 39, 1499-1522.	1.1	10
34	Three-Dimensional Static and Free Vibration Analysis of Carbon Nano Tube Reinforced Composite Cylindrical Shell Using Differential Quadrature Method. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650033.	1.3	31
35	Response of functionally graded spherical shell to thermo-mechanical shock. <i>Aerospace Science and Technology</i> , 2016, 51, 61-69.	2.5	12
36	Exact solution for thermal damping of functionally graded Timoshenko microbeams. <i>Journal of Thermal Stresses</i> , 2016, 39, 231-243.	1.1	19

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37	Elasticity solution of functionally graded carbon nanotube-reinforced composite cylindrical panel subjected to thermo mechanical load. <i>Composites Part B: Engineering</i> , 2016, 87, 214-226.	5.9	62
38	Thermo elasticity solution of sandwich circular plate with functionally graded core using generalized differential quadrature method. <i>Composite Structures</i> , 2016, 136, 229-240.	3.1	50
39	Three dimensional static and free vibration analysis of cross-ply laminated plate bonded with piezoelectric layers using differential quadrature method. <i>Meccanica</i> , 2016, 51, 921-937.	1.2	10
40	Effect of viscoelastic interface on three-dimensional static and vibration behavior of laminated composite plate. <i>Composites Part B: Engineering</i> , 2015, 75, 17-28.	5.9	33
41	Static and free vibration analyses of functionally graded sandwich plates using state space differential quadrature method. <i>European Journal of Mechanics, A/Solids</i> , 2015, 54, 252-266.	2.1	58
42	Elasticity Solution of Free Vibration and Bending Behavior of Functionally Graded Carbon Nanotube-Reinforced Composite Beam with Thin Piezoelectric Layers Using Differential Quadrature Method. <i>International Journal of Applied Mechanics</i> , 2015, 07, 1550002.	1.3	62
43	Static and free vibration analyses of carbon nanotube-reinforced composite plate using differential quadrature method. <i>Meccanica</i> , 2015, 50, 61-76.	1.2	88
44	Three-dimensional static and free vibration analysis of laminated cylindrical panel with viscoelastic interfaces. <i>Journal of Composite Materials</i> , 2015, 49, 2415-2430.	1.2	8
45	Three dimensional vibration and bending analysis of carbon nanotubes embedded in elastic medium based on theory of elasticity. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 2122-2140.	0.6	10
46	Elasticity Solution for Nano-Beam Subjected to Uniform Static Pressure Using State Space Method. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 1683-1690.	0.4	0
47	Static Analysis of Carbon Nano-Tubes Based on Shell Model by Using Three-Dimensional Theory of Elasticity. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 1954-1961.	0.4	0
48	Three-dimensional thermo-elasticity solution of sandwich cylindrical panel with functionally graded core. <i>Composite Structures</i> , 2014, 107, 458-468.	3.1	42
49	Free vibration analysis of sandwich cylindrical panel with functionally graded core using three-dimensional theory of elasticity. <i>Composite Structures</i> , 2014, 113, 23-30.	3.1	68
50	Free vibration analysis of functionally graded carbon nanotube-reinforced composite cylindrical panel embedded in piezoelectric layers by using theory of elasticity. <i>European Journal of Mechanics, A/Solids</i> , 2014, 44, 104-115.	2.1	113
51	Three-dimensional free vibration of carbon nanotube-reinforced composite plates with various boundary conditions using Ritz method. <i>Composite Structures</i> , 2014, 111, 362-370.	3.1	75
52	Three-dimensional thermoelasticity solution of functionally graded carbon nanotube reinforced composite plate embedded in piezoelectric sensor and actuator layers. <i>Composite Structures</i> , 2014, 118, 482-495.	3.1	69
53	Thermoelastic Behavior of FGM Smart Structures such as Plates and Cylindrical Panels. , 2014, , 5633-5644.		0
54	Three-Dimensional Semi-analytical Thermoelasticity Solution for a Functionally Graded Solid and an Annular Circular Plate. , 2014, , 6124-6132.		0

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55	Thermoelastic analysis of functionally graded carbon nanotube-reinforced composite plate using theory of elasticity. <i>Composite Structures</i> , 2013, 106, 873-881.	3.1	126
56	Free vibration analysis of carbon nanotubes by using three-dimensional theory of elasticity. <i>Acta Mechanica</i> , 2013, 224, 1415-1427.	1.1	74
57	Elasticity solution of functionally graded carbon-nanotube-reinforced composite cylindrical panel with piezoelectric sensor and actuator layers. <i>Smart Materials and Structures</i> , 2013, 22, 075013.	1.8	22
58	Semi-Analytical Solution for the Static Analysis of 2D Functionally Graded Solid and Annular Circular Plates Resting on Elastic Foundation. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 515-528.	1.5	16
59	Fundamental frequency analysis of microtubules under different boundary conditions using differential quadrature method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2240-2251.	1.7	8
60	Static analysis of rectangular nano-plate using three-dimensional theory of elasticity. <i>Applied Mathematical Modelling</i> , 2013, 37, 7016-7026.	2.2	20
61	Static analysis of functionally graded carbon nanotube-reinforced composite plate embedded in piezoelectric layers by using theory of elasticity. <i>Composite Structures</i> , 2013, 95, 612-622.	3.1	132
62	Three-dimensional free vibration analysis of multi-layered graphene sheets embedded in elastic matrix. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 2357-2371.	1.5	29
63	Three-Dimensional Semi-Analytical Thermo-Elasticity Solution for a Functionally Graded Solid and an Annular Circular Plate. <i>Journal of Thermal Stresses</i> , 2012, 35, 653-676.	1.1	19
64	Elasticity solution for the free vibration analysis of functionally graded cylindrical shell bonded to thin piezoelectric layers. <i>International Journal of Pressure Vessels and Piping</i> , 2012, 89, 98-111.	1.2	45
65	Free vibration analysis of nano-plate using three-dimensional theory of elasticity. <i>Acta Mechanica</i> , 2011, 222, 149-159.	1.1	39
66	Thermoelastic solution for static deformations of functionally graded cylindrical shell bonded to thin piezoelectric layers. <i>Composite Structures</i> , 2011, 93, 961-972.	3.1	41
67	Elasticity solution of functionally graded circular and annular plates integrated with sensor and actuator layers using differential quadrature. <i>Composite Structures</i> , 2011, 93, 2473-2486.	3.1	23
68	Exact solution of an FGM cylindrical panel integrated with sensor and actuator layers under thermomechanical load. <i>Smart Materials and Structures</i> , 2011, 20, 035002.	1.8	7
69	Differential quadrature analysis of functionally graded circular and annular sector plates on elastic foundation. <i>Materials & Design</i> , 2010, 31, 1871-1880.	5.1	73
70	Elasticity solution for an FGM cylindrical panel integrated with piezoelectric layers. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 714-723.	2.1	37
71	3D free vibration analysis of laminated cylindrical shell integrated piezoelectric layers using the differential quadrature method. <i>Applied Mathematical Modelling</i> , 2010, 34, 4123-4137.	2.2	46
72	Exact solution for thermo-elastic response of functionally graded rectangular plates. <i>Composite Structures</i> , 2010, 92, 113-121.	3.1	66

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73	Thermoelasticity analysis of functionally graded beam with integrated surface piezoelectric layers. <i>Composite Structures</i> , 2010, 92, 1535-1543.	3.1	50
74	Static analysis of functionally graded cylindrical shell with piezoelectric layers using differential quadrature method. <i>Composite Structures</i> , 2010, 92, 1775-1785.	3.1	72
75	Thermo-Elasticity Solution of Functionally Graded Plates Integrated with Piezoelectric Sensor and Actuator Layers. <i>Journal of Thermal Stresses</i> , 2010, 33, 754-774.	1.1	11
76	Three-dimensional Exact Solution for Functionally Graded Rectangular Plate with Integrated Surface Piezoelectric Layers Resting on Elastic Foundation. <i>Mechanics of Advanced Materials and Structures</i> , 2010, 17, 183-195.	1.5	22
77	Static analysis of a functionally graded cylindrical shell with piezoelectric layers as sensor and actuator. <i>Smart Materials and Structures</i> , 2009, 18, 065004.	1.8	23
78	Static and vibration analysis of axi-symmetric angle-ply laminated cylindrical shell using state space differential quadrature method. <i>International Journal of Pressure Vessels and Piping</i> , 2009, 86, 738-747.	1.2	48
79	Forced vibration analysis of antisymmetric laminated rectangular plates with distributed patch mass using third order shear deformation theory. <i>Thin-Walled Structures</i> , 2009, 47, 653-660.	2.7	19
80	Static analysis of cross-ply laminated plates with integrated surface piezoelectric layers using differential quadrature. <i>Composite Structures</i> , 2009, 88, 342-353.	3.1	52
81	Elasticity solution for static analysis of laminated cylindrical panel using differential quadrature method. <i>Engineering Structures</i> , 2009, 31, 260-267.	2.6	22
82	Exact solutions for rectangular Mindlin plates under in-plane loads resting on Pasternak elastic foundation. Part II: Frequency analysis. <i>Computational Materials Science</i> , 2009, 44, 951-961.	1.4	72
83	Exact solutions for rectangular Mindlin plates under in-plane loads resting on Pasternak elastic foundation. Part I: Buckling analysis. <i>Computational Materials Science</i> , 2009, 44, 968-978.	1.4	56
84	Static Analysis of Anisotropic Laminated Cylindrical Shell with Piezoelectric Layers. <i>Mechanics of Advanced Materials and Structures</i> , 2009, 16, 585-596.	1.5	5
85	Free vibration analysis of antisymmetric laminated rectangular plates with distributed patch mass using third-order shear deformation theory. <i>Ocean Engineering</i> , 2008, 35, 183-190.	1.9	25
86	Static analysis of an anisotropic laminated cylindrical shell with piezoelectric layers using differential quadrature method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2008, 222, 865-880.	1.1	2
87	Static analysis of cross-ply laminated plate with integrated surface piezoelectric layers. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2007, 221, 999-1007.	1.1	0
88	Three-dimensional elasticity solution for laminated cross-ply panel under localized moment. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2007, 221, 859-866.	1.1	1
89	Elasticity solution for the free vibration analysis of laminated cylindrical panels using the differential quadrature method. <i>Composite Structures</i> , 2007, 81, 105-113.	3.1	31
90	Dynamic Analysis of Orthotropic Laminated Cylindrical Panels. <i>Mechanics of Advanced Materials and Structures</i> , 2005, 12, 67-75.	1.5	5

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91	Hygro-thermo-magnetically induced vibration of FG-CNTRC small-scale plate incorporating nonlocality and strain gradient size dependency. <i>Waves in Random and Complex Media</i> , 0, , 1-32.	1.6	8
92	Vibration characteristics of composite sandwich cylindrical panel with double-V auxetic core subjected to the aerohydrothermal environment. <i>Waves in Random and Complex Media</i> , 0, , 1-24.	1.6	5