

Akbar Alibeigloo

List of Publications by Year in descending order

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92
papers

3,248
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126907

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docs citations

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times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.8	132
2	Thermoelastic analysis of functionally graded carbon nanotube-reinforced composite plate using theory of elasticity. <i>Composite Structures</i> , 2013, 106, 873-881.	5.8	126
3	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.	4.7	123
4	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.	3.7	113
5	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.	2.6	110
6	Parametric study of three-dimensional bending and frequency of FG-GLRC porous circular and annular plates on different boundary conditions. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 707-737.	4.7	102
7	Static and free vibration analyses of carbon nanotube-reinforced composite plate using differential quadrature method. <i>Meccanica</i> , 2015, 50, 61-76.	2.0	88
8	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.	5.8	75
9	Free vibration analysis of carbon nanotubes by using three-dimensional theory of elasticity. <i>Acta Mechanica</i> , 2013, 224, 1415-1427.	2.1	74
10	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
11	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.	3.0	72
12	Static analysis of functionally graded cylindrical shell with piezoelectric layers using differential quadrature method. <i>Composite Structures</i> , 2010, 92, 1775-1785.	5.8	72
13	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.	5.8	69
14	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.	5.8	68
15	Exact solution for thermo-elastic response of functionally graded rectangular plates. <i>Composite Structures</i> , 2010, 92, 113-121.	5.8	66
16	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.	2.2	62
17	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.	12.0	62
18	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.	3.7	58

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19	Buckling analyses of functionally graded graphene-reinforced porous cylindrical shell using the Rayleigh-Ritz method. <i>Acta Mechanica</i> , 2020, 231, 1887-1902.	2.1	57
20	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.	3.0	56
21	Three dimensional coupled thermoelasticity solution of sandwich plate with FGM core under thermal shock. <i>Composite Structures</i> , 2017, 177, 96-103.	5.8	53
22	Static analysis of cross-ply laminated plates with integrated surface piezoelectric layers using differential quadrature. <i>Composite Structures</i> , 2009, 88, 342-353.	5.8	52
23	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.	2.2	51
24	Thermoelasticity analysis of functionally graded beam with integrated surface piezoelectric layers. <i>Composite Structures</i> , 2010, 92, 1535-1543.	5.8	50
25	Thermo elasticity solution of sandwich circular plate with functionally graded core using generalized differential quadrature method. <i>Composite Structures</i> , 2016, 136, 229-240.	5.8	50
26	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.	2.2	49
27	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.	2.6	48
28	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.	4.2	48
29	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.	12.0	48
30	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.	4.2	46
31	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.	2.6	45
32	Three-dimensional thermo-elasticity solution of sandwich cylindrical panel with functionally graded core. <i>Composite Structures</i> , 2014, 107, 458-468.	5.8	42
33	Thermoelastic solution for static deformations of functionally graded cylindrical shell bonded to thin piezoelectric layers. <i>Composite Structures</i> , 2011, 93, 961-972.	5.8	41
34	Free vibration analysis of nano-plate using three-dimensional theory of elasticity. <i>Acta Mechanica</i> , 2011, 222, 149-159.	2.1	39
35	Elasticity solution for an FGM cylindrical panel integrated with piezoelectric layers. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 714-723.	3.7	37
36	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.	12.0	33

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37	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.	12.0	33
38	Elasticity solution for the free vibration analysis of laminated cylindrical panels using the differential quadrature method. <i>Composite Structures</i> , 2007, 81, 105-113.	5.8	31
39	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.	2.2	31
40	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.	5.8	31
41	Three-dimensional elasticity solution for sandwich panels with corrugated cores by using energy method. <i>Thin-Walled Structures</i> , 2017, 119, 404-411.	5.3	30
42	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.	2.6	29
43	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.	2.1	29
44	Three-dimensional thermoelasticity analysis of graphene platelets reinforced cylindrical panel. <i>European Journal of Mechanics, A/Solids</i> , 2020, 81, 103941.	3.7	28
45	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.	2.6	26
46	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.	12.0	26
47	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.	4.3	25
48	Static analysis of a functionally graded cylindrical shell with piezoelectric layers as sensor and actuator. <i>Smart Materials and Structures</i> , 2009, 18, 065004.	3.5	23
49	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.	5.8	23
50	Elasticity solution for static analysis of laminated cylindrical panel using differential quadrature method. <i>Engineering Structures</i> , 2009, 31, 260-267.	5.3	22
51	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.	2.6	22
52	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.	3.5	22
53	Global bending analysis of corrugated sandwich panels with integrated piezoelectric layers. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 1055-1073.	3.5	22
54	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.	4.7	22

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55	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.	5.3	22
56	Static analysis of rectangular nano-plate using three-dimensional theory of elasticity. <i>Applied Mathematical Modelling</i> , 2013, 37, 7016-7026.	4.2	20
57	Three-dimensional transient analysis of FGM cylindrical shell subjected to thermal and mechanical loading. <i>Journal of Thermal Stresses</i> , 2017, 40, 1166-1183.	2.0	20
58	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.	3.7	20
59	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.	5.3	19
60	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.	2.0	19
61	Exact solution for thermal damping of functionally graded Timoshenko microbeams. <i>Journal of Thermal Stresses</i> , 2016, 39, 231-243.	2.0	19
62	Size-dependent dynamical analysis of spinning nanotubes conveying magnetic nanoflow considering surface and environmental effects. <i>Applied Mathematical Modelling</i> , 2022, 108, 92-121.	4.2	17
63	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.	2.6	16
64	Coupled thermoelasticity analysis of FGM plate integrated with piezoelectric layers under thermal shock. <i>Journal of Thermal Stresses</i> , 2019, 42, 1357-1375.	2.0	16
65	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.	2.6	15
66	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.	2.2	13
67	Three dimensional thermoviscoelastic analysis of a simply supported FGM cylindrical panel. <i>Composite Structures</i> , 2016, 148, 181-190.	5.8	12
68	Response of functionally graded spherical shell to thermo-mechanical shock. <i>Aerospace Science and Technology</i> , 2016, 51, 61-69.	4.8	12
69	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.	2.0	12
70	Thermo-Elasticity Solution of Functionally Graded Plates Integrated with Piezoelectric Sensor and Actuator Layers. <i>Journal of Thermal Stresses</i> , 2010, 33, 754-774.	2.0	11
71	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.	3.0	11
72	Static and thermal instability analysis of embedded functionally graded carbon nanotube-reinforced composite plates based on HSST via GDQM and validated modeling by neural network. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 7149-7182.	4.7	11

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73	Three dimensional vibration and bending analysis of carbon nanotubes embedded in elastic medium based on theory of elasticity. Latin American Journal of Solids and Structures, 2014, 11, 2122-2140.	1.0	10
74	Thermoelastic damping analysis of FG Mindlin microplates using strain gradient theory. Journal of Thermal Stresses, 2016, 39, 1499-1522.	2.0	10
75	Three dimensional static and free vibration analysis of cross-ply laminated plate bonded with piezoelectric layers using differential quadrature method. Meccanica, 2016, 51, 921-937.	2.0	10
76	Fundamental frequency analysis of microtubules under different boundary conditions using differential quadrature method. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2240-2251.	3.3	8
77	Three-dimensional static and free vibration analysis of laminated cylindrical panel with viscoelastic interfaces. Journal of Composite Materials, 2015, 49, 2415-2430.	2.4	8
78	Hygro-thermo-magnetically induced vibration of FG-CNTRC small-scale plate incorporating nonlocality and strain gradient size dependency. Waves in Random and Complex Media, 0, , 1-32.	2.7	8
79	Exact solution of an FGM cylindrical panel integrated with sensor and actuator layers under thermomechanical load. Smart Materials and Structures, 2011, 20, 035002.	3.5	7
80	Nonlinear aeroelastic analysis of sandwich composite cylindrical panel with auxetic core subjected to the thermal environment. JVC/Journal of Vibration and Control, 2023, 29, 3275-3297.	2.6	7
81	Three-dimensional static analysis of a viscoelastic rectangular functionally graded material plate embedded between piezoelectric sensor and actuator layers. Mechanics Based Design of Structures and Machines, 2023, 51, 3843-3867.	4.7	6
82	Three-Dimensional Transient Analysis of FGM Rectangular Sandwich Plate Subjected to Thermal Loading Using State Space Differential Quadrature Method. International Journal of Applied Mechanics, 2021, 13, .	2.2	6
83	Dynamic Analysis of Orthotropic Laminated Cylindrical Panels. Mechanics of Advanced Materials and Structures, 2005, 12, 67-75.	2.6	5
84	Static Analysis of Anisotropic Laminated Cylindrical Shell with Piezoelectric Layers. Mechanics of Advanced Materials and Structures, 2009, 16, 585-596.	2.6	5
85	Vibration characteristics of composite sandwich cylindrical panel with double-V auxetic core subjected to the aerohydrothermal environment. Waves in Random and Complex Media, 0, , 1-24.	2.7	5
86	Static analysis of an anisotropic laminated cylindrical shell with piezoelectric layers using differential quadrature method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 865-880.	2.1	2
87	Three-dimensional elasticity solution for laminated cross-ply panel under localized moment. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2007, 221, 859-866.	2.1	1
88	Static analysis of cross-ply laminated plate with integrated surface piezoelectric layers. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2007, 221, 999-1007.	2.1	0
89	Elasticity Solution for Nano-Beam Subjected to Uniform Static Pressure Using State Space Method. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1683-1690.	0.4	0
90	Static Analysis of Carbon Nano-Tubes Based on Shell Model by Using Three-Dimensional Theory of Elasticity. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1954-1961.	0.4	0

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91	Thermoelastic Behavior of FGM Smart Structures such as Plates and Cylindrical Panels. , 2014, , 5633-5644.		0
92	Three-Dimensional Semi-analytical Thermoelasticity Solution for a Functionally Graded Solid and an Annular Circular Plate. , 2014, , 6124-6132.		0