

Mohammad Shariyat

List of Publications by Year in descending order

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papers

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101543

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#	ARTICLE	IF	CITATIONS
1	Thermal buckling analysis of rectangular composite plates with temperature-dependent properties based on a layerwise theory. <i>Thin-Walled Structures</i> , 2007, 45, 439-452.	5.3	125
2	Dynamic thermal buckling of suddenly heated temperature-dependent FGM cylindrical shells, under combined axial compression and external pressure. <i>International Journal of Solids and Structures</i> , 2008, 45, 2598-2612.	2.7	108
3	Non-linear dynamic analysis of a sandwich beam with pseudoelastic SMA hybrid composite faces based on higher order finite element theory. <i>Composite Structures</i> , 2013, 96, 243-255.	5.8	88
4	Dynamic buckling of suddenly loaded imperfect hybrid FGM cylindrical shells with temperature-dependent material properties under thermo-electro-mechanical loads. <i>International Journal of Mechanical Sciences</i> , 2008, 50, 1561-1571.	6.7	86
5	A generalized global-local high-order theory for bending and vibration analyses of sandwich plates subjected to thermo-mechanical loads. <i>International Journal of Mechanical Sciences</i> , 2010, 52, 495-514.	6.7	86
6	Vibration and dynamic buckling control of imperfect hybrid FGM plates with temperature-dependent material properties subjected to thermo-electro-mechanical loading conditions. <i>Composite Structures</i> , 2009, 88, 240-252.	5.8	80
7	A generalized high-order global-local plate theory for nonlinear bending and buckling analyses of imperfect sandwich plates subjected to thermo-mechanical loads. <i>Composite Structures</i> , 2010, 92, 130-143.	5.8	80
8	Nonlinear transient stress and wave propagation analyses of the FGM thick cylinders, employing a unified generalized thermoelasticity theory. <i>International Journal of Mechanical Sciences</i> , 2012, 65, 24-37.	6.7	79
9	Dynamic buckling of imperfect laminated plates with piezoelectric sensors and actuators subjected to thermo-electro-mechanical loadings, considering the temperature-dependency of the material properties. <i>Composite Structures</i> , 2009, 88, 228-239.	5.8	75
10	Differential transform vibration and modal stress analyses of circular plates made of two-directional functionally graded materials resting on elastic foundations. <i>Archive of Applied Mechanics</i> , 2011, 81, 1289-1306.	2.2	73
11	Three-dimensional magneto-elastic analysis of asymmetric variable thickness porous FGM circular plates with non-uniform tractions and Kerr elastic foundations. <i>Composite Structures</i> , 2015, 125, 558-574.	5.8	66
12	A power series solution for vibration and complex modal stress analyses of variable thickness viscoelastic two-directional FGM circular plates on elastic foundations. <i>Applied Mathematical Modelling</i> , 2013, 37, 3063-3076.	4.2	65
13	Non-linear dynamic thermo-mechanical buckling analysis of the imperfect sandwich plates based on a generalized three-dimensional high-order global-local plate theory. <i>Composite Structures</i> , 2010, 92, 72-85.	5.8	62
14	Nonlinear thermoelasticity, vibration, and stress wave propagation analyses of thick FGM cylinders with temperature-dependent material properties. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 378-391.	3.7	61
15	Nonlinear transient thermal stress and elastic wave propagation analyses of thick temperature-dependent FGM cylinders, using a second-order point-collocation method. <i>Applied Mathematical Modelling</i> , 2010, 34, 898-918.	4.2	60
16	A refined high-order global-local theory for finite element bending and vibration analyses of laminated composite beams. <i>Acta Mechanica</i> , 2011, 217, 219-242.	2.1	59
17	A nonlinear Hermitian transfinite element method for transient behavior analysis of hollow functionally graded cylinders with temperature-dependent materials under thermo-mechanical loads. <i>International Journal of Pressure Vessels and Piping</i> , 2009, 86, 280-289.	2.6	55
18	Layerwise Theory for Dynamic Buckling and Postbuckling of Laminated Composite Cylindrical Shells. <i>AIAA Journal</i> , 1998, 36, 1874-1882.	2.6	53

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19	Nonlinear low-velocity impact response analysis of a radially preloaded two-directional-functionally graded circular plate: A refined contact stiffness approach. <i>Composites Part B: Engineering</i> , 2013, 45, 981-994.	12.0	53
20	Biaxial thermo-mechanical buckling of orthotropic auxetic FGM plates with temperature and moisture dependent material properties on elastic foundations. <i>Composites Part B: Engineering</i> , 2015, 83, 88-104.	12.0	51
21	A semi-analytical solution for free vibration of variable thickness two-directional-functionally graded plates on elastic foundations. <i>International Journal of Mechanics and Materials in Design</i> , 2010, 6, 293-304.	3.0	50
22	An elasticity-equilibrium-based zigzag theory for axisymmetric bending and stress analysis of the functionally graded circular sandwich plates, using a Maclaurin-type series solution. <i>European Journal of Mechanics, A/Solids</i> , 2012, 34, 78-101.	3.7	49
23	Non-linear dynamic thermo-mechanical buckling analysis of the imperfect laminated and sandwich cylindrical shells based on a global-local theory inherently suitable for non-linear analyses. <i>International Journal of Non-Linear Mechanics</i> , 2011, 46, 253-271.	2.6	47
24	Low-velocity impact analysis of the hierarchical viscoelastic FGM plates, using an explicit shear-bending decomposition theory and the new DQ method. <i>Composite Structures</i> , 2014, 113, 63-73.	5.8	46
25	Dynamic Buckling and Post-buckling of Imperfect Orthotropic Cylindrical Shells Under Mechanical and Thermal Loads, Based on the Three-Dimensional Theory of Elasticity. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1999, 66, 476-484.	2.2	45
26	Analytical stress analysis of annular FGM sandwich plates with non-uniform shear and normal tractions, employing a zigzag-elasticity plate theory. <i>Aerospace Science and Technology</i> , 2014, 32, 235-259.	4.8	45
27	Semi-analytical buckling analysis of heterogeneous variable thickness viscoelastic circular plates on elastic foundations. <i>Mechanics Research Communications</i> , 2011, 38, 594-601.	1.8	43
28	Nonlinear thermal buckling and postbuckling analyses of imperfect variable thickness temperature-dependent bidirectional functionally graded cylindrical shells. <i>International Journal of Pressure Vessels and Piping</i> , 2013, 111-112, 310-320.	2.6	42
29	Three-dimensional non-linear elasticity-based 3D cubic B-spline finite element shear buckling analysis of rectangular orthotropic FGM plates surrounded by elastic foundations. <i>Composites Part B: Engineering</i> , 2014, 56, 934-947.	12.0	42
30	A double-superposition global-local theory for vibration and dynamic buckling analyses of viscoelastic composite/sandwich plates: a complex modulus approach. <i>Archive of Applied Mechanics</i> , 2011, 81, 1253-1268.	2.2	41
31	A High-Order Theory for Dynamic Buckling and Postbuckling Analysis of Laminated Cylindrical Shells. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 1999, 121, 94-102.	0.6	40
32	A nonlinear double-superposition global-local theory for dynamic buckling of imperfect viscoelastic composite/sandwich plates: A hierarchical constitutive model. <i>Composite Structures</i> , 2011, 93, 1890-1899.	5.8	40
33	Semianalytical Solution for Buckling Analysis of Variable Thickness Two-Directional Functionally Graded Circular Plates with Nonuniform Elastic Foundations. <i>Journal of Engineering Mechanics - ASCE</i> , 2013, 139, 664-676.	2.9	39
34	Semi-analytical consistent zigzag-elasticity formulations with implicit layerwise shear correction factors for dynamic stress analysis of sandwich circular plates with FGM layers. <i>Composites Part B: Engineering</i> , 2013, 49, 43-64.	12.0	38
35	Modeling and transient dynamic analysis of pseudoelastic SMA hybrid composite beam. <i>Applied Mathematics and Computation</i> , 2013, 219, 9762-9782.	2.2	38
36	Non-linear layerwise dynamic response analysis of sandwich plates with soft auxetic cores and embedded SMA wires experiencing cyclic loadings. <i>Composite Structures</i> , 2017, 171, 185-197.	5.8	38

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37	Nonlinear thermomechanical dynamic buckling analysis of imperfect viscoelastic composite/sandwich shells by a double-superposition global-local theory and various constitutive models. <i>Composite Structures</i> , 2011, 93, 2833-2843.	5.8	37
38	Thermo-magneto-elasticity analysis of variable thickness annular FGM plates with asymmetric shear and normal loads and non-uniform elastic foundations. <i>Archives of Civil and Mechanical Engineering</i> , 2016, 16, 448-466.	3.8	37
39	Accurate eccentric impact analysis of the preloaded SMA composite plates, based on a novel mixed-order hyperbolic global-local theory. <i>Composite Structures</i> , 2015, 124, 140-151.	5.8	34
40	Enhanced model for nonlinear dynamic analysis of rectangular composite plates with embedded SMA wires, considering the instantaneous local phase changes. <i>Composite Structures</i> , 2014, 109, 106-118.	5.8	32
41	A general nonlinear global-local theory for bending and buckling analyses of imperfect cylindrical laminated and sandwich shells under thermomechanical loads. <i>Meccanica</i> , 2012, 47, 301-319.	2.0	31
42	Exact and numerical elastodynamic solutions for thick-walled functionally graded cylinders subjected to pressure shocks. <i>International Journal of Pressure Vessels and Piping</i> , 2011, 88, 75-87.	2.6	30
43	A refined mixed global-local finite element model for bending analysis of multi-layered rectangular composite beams with small widths. <i>Thin-Walled Structures</i> , 2011, 49, 351-362.	5.3	29
44	A full compatible three-dimensional elasticity element for buckling analysis of FGM rectangular plates subjected to various combinations of biaxial normal and shear loads. <i>Finite Elements in Analysis and Design</i> , 2013, 74, 9-21.	3.2	29
45	On Thermal Dynamic Buckling Analysis of Imperfect Laminated Cylindrical Shells. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2000, 80, 171-182.	1.6	28
46	Layerwise numerical and experimental impact analysis of temperature-dependent transversely flexible composite plates with embedded SMA wires in thermal environments. <i>Composite Structures</i> , 2016, 153, 692-703.	5.8	28
47	A fatigue model developed by modification of Gough's theory, for random non-proportional loading conditions and three-dimensional stress fields. <i>International Journal of Fatigue</i> , 2008, 30, 1248-1258.	5.7	27
48	Two-dimensional modeling of heterogeneous structures using graded finite element and boundary element methods. <i>Meccanica</i> , 2013, 48, 663-680.	2.0	27
49	An analytical global-local Taylor transformation-based vibration solution for annular FGM sandwich plates supported by nonuniform elastic foundations. <i>Archives of Civil and Mechanical Engineering</i> , 2014, 14, 6-24.	3.8	27
50	Three-dimensional biaxial post-buckling analysis of heterogeneous auxetic rectangular plates on elastic foundations by new criteria. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 302, 1-26.	6.6	27
51	Three energy-based multi-axial HCF criteria for fatigue life determination in components under random non-proportional stress fields. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2009, 32, 785-808.	3.4	26
52	A three-dimensional boundary element stress and bending analysis of transversely/longitudinally graded plates with circular cutouts under biaxial loading. <i>European Journal of Mechanics, A/Solids</i> , 2013, 42, 344-357.	3.7	26
53	Highly accurate nonlinear three-dimensional finite element elasticity approach for biaxial buckling of rectangular anisotropic FGM plates with general orthotropy directions. <i>Composite Structures</i> , 2013, 106, 235-249.	5.8	26
54	Snap instability of shallow laminated cylindrical shells reinforced with functionally graded shape memory alloy wires. <i>Composite Structures</i> , 2017, 180, 581-595.	5.8	26

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55	Nonlocal zigzag analytical solution for Laplacian hygrothermal stress analysis of annular sandwich macro/nanoplates with poor adhesions and 2D-FGM porous cores. <i>Archives of Civil and Mechanical Engineering</i> , 2019, 19, 1211-1234.	3.8	26
56	Nonlinear Hermitian generalized hygrothermoelastic stress and wave propagation analyses of thick FGM spheres exhibiting temperature, moisture, and strain-rate material dependencies. <i>Composite Structures</i> , 2019, 229, 111364.	5.8	26
57	Isoparametric finite-element thermoelasto-plastic creep analysis of shells of revolution. <i>International Journal of Pressure Vessels and Piping</i> , 1996, 68, 249-259.	2.6	25
58	Analytical zigzag-elasticity transient and forced dynamic stress and displacement response prediction of the annular FGM sandwich plates. <i>Composite Structures</i> , 2013, 106, 426-445.	5.8	25
59	Damping sources interactions in impact of viscoelastic composite plates with damping treated SMA wires, using a hyperbolic plate theory. <i>Applied Mathematical Modelling</i> , 2017, 43, 421-440.	4.2	25
60	Analytical Bending and Stress Analysis of Variable Thickness FGM Auxetic Conical/Cylindrical Shells with General Traction. <i>Latin American Journal of Solids and Structures</i> , 2017, 14, 805-843.	1.0	25
61	Nonlinear eccentric low-velocity impact analysis of a highly prestressed FGM rectangular plate, using a refined contact law. <i>Archive of Applied Mechanics</i> , 2013, 83, 623-641.	2.2	24
62	Eccentric low-velocity impact analysis of transversely graded plates with Winkler-type elastic foundations and fully or partially supported edges. <i>Thin-Walled Structures</i> , 2014, 84, 112-122.	5.3	24
63	Differential quadrature thermal buckling analysis of general quadrilateral orthotropic auxetic FGM plates on elastic foundations. <i>Thin-Walled Structures</i> , 2017, 112, 194-207.	5.3	24
64	Experimental accuracy assessment of various high-cycle fatigue criteria for a critical component with a complicated geometry and multi-input random non-proportional 3D stress components. <i>Engineering Failure Analysis</i> , 2018, 90, 534-553.	4.0	24
65	Analytical zigzag formulation with 3D elasticity corrections for bending and stress analysis of circular/annular composite sandwich plates with auxetic cores. <i>Composite Structures</i> , 2015, 132, 175-197.	5.8	23
66	Analytical layerwise free vibration analysis of circular/annular composite sandwich plates with auxetic cores. <i>International Journal of Mechanics and Materials in Design</i> , 2017, 13, 125-157.	3.0	23
67	A three-dimensional elasticity solution for two-directional FGM annular plates with non-uniform elastic foundations subjected to normal and shear tractions. <i>Acta Mechanica Solida Sinica</i> , 2013, 26, 671-690.	1.9	22
68	A finite element based global-local theory for static analysis of rectangular sandwich and laminated composite plates. <i>Composite Structures</i> , 2014, 107, 177-189.	5.8	22
69	Thermal buckling predictions of three types of high-order theories for the heterogeneous orthotropic plates, using the new version of DQM. <i>Composite Structures</i> , 2014, 113, 40-55.	5.8	22
70	Eccentric impact analysis of pre-stressed composite sandwich plates with viscoelastic cores: A novel global-local theory and a refined contact law. <i>Composite Structures</i> , 2014, 117, 333-345.	5.8	22
71	A novel shear correction factor for stress and modal analyses of annular FGM plates with non-uniform inclined tractions and non-uniform elastic foundations. <i>International Journal of Mechanical Sciences</i> , 2014, 87, 60-71.	6.7	22
72	A micromechanical approach for semi-analytical low-velocity impact analysis of a bidirectional functionally graded circular plate resting on an elastic foundation. <i>Meccanica</i> , 2013, 48, 2127-2148.	2.0	21

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73	Three-dimensional stress field analysis of rotating thick bidirectional functionally graded axisymmetric annular plates with nonuniform loads and elastic foundations. <i>Journal of Composite Materials</i> , 2014, 48, 2879-2904.	2.4	21
74	Refined constitutive, bridging, and contact laws for including effects of the impact-induced temperature rise in impact responses of composite plates with embedded SMA wires. <i>Thin-Walled Structures</i> , 2016, 106, 166-178.	5.3	21
75	Impact analysis of strain-rate-dependent composite plates with SMA wires in thermal environments: Proposing refined coupled thermoelasticity, constitutive, and contact models. <i>Composite Structures</i> , 2016, 136, 191-203.	5.8	20
76	Elastic, Plastic, and Creep Buckling of Imperfect Cylinders Under Mechanical and Thermal Loading. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 1997, 119, 27-36.	0.6	19
77	Nonlinear coupled thermoelastic analysis of thermal wave propagation in a functionally graded finite solid undergoing finite strain. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2309-2320.	3.6	19
78	An accurate double-superposition global-local theory for vibration and bending analyses of cylindrical composite and sandwich shells subjected to thermo-mechanical loads. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2011, 225, 1816-1832.	2.1	18
79	Three-dimensional static and dynamic analysis of functionally graded elliptical plates, employing graded finite elements. <i>Acta Mechanica</i> , 2013, 224, 1849-1864.	2.1	18
80	A robust algorithm for behavior and effectiveness investigations of super-elastic SMA wires embedded in composite plates under impulse loading. <i>Composite Structures</i> , 2017, 179, 355-367.	5.8	18
81	A Technique to Distinguish the Primary and Secondary Stresses. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 1995, 117, 197-203.	0.6	17
82	New Multiaxial HCF Criteria Based on Instantaneous Fatigue Damage Tracing in Components with Complicated Geometries and Random Non-Proportional Loading Conditions. <i>International Journal of Damage Mechanics</i> , 2010, 19, 659-690.	4.2	17
83	Three-dimensional compatible finite element stress analysis of spinning two-directional FGM annular plates and disks with load and elastic foundation non-uniformities. <i>Latin American Journal of Solids and Structures</i> , 2013, 10, 859-890.	1.0	17
84	Enhanced algorithm for nonlinear impact of rectangular composite plates with SMA wires, accurately tracing the instantaneous and local phase changes. <i>Composite Structures</i> , 2014, 108, 834-847.	5.8	17
85	3D B-spline finite element nonlinear elasticity buckling analysis of rectangular FGM plates under non-uniform edge loads, using a micromechanical model. <i>Composite Structures</i> , 2014, 112, 397-408.	5.8	16
86	The analytical solution of the buckling of composite truncated conical shells under combined external pressure and axial compression?. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 2783-2791.	1.5	15
87	3D nonlinear variable strain-rate-dependent-order fractional thermoviscoelastic dynamic stress investigation and vibration of thick transversely graded rotating annular plates/discs. <i>Applied Mathematical Modelling</i> , 2020, 84, 287-323.	4.2	15
88	Nonlinear impact and damping investigations of viscoporoelastic functionally graded plates with in-plane diffusion and partial supports. <i>Composite Structures</i> , 2020, 245, 112345.	5.8	15
89	Two New Multiaxial HCF Criteria Based on Virtual Stress Amplitude and Virtual Mean Stress Concepts for Complicated Geometries and Random Nonproportional Loading Conditions. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2009, 131, .	1.4	14
90	A boundary element formulation for the heterogeneous functionally graded viscoelastic structures. <i>Applied Mathematics and Computation</i> , 2013, 225, 246-262.	2.2	14

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91	Investigation of the thickness variability and material heterogeneity effects on free vibration of the viscoelastic circular plates. <i>Acta Mechanica Solida Sinica</i> , 2013, 26, 83-98.	1.9	14
92	Experimentally Validated Combustion and Piston Fatigue Life Evaluation Procedures for the Bi-Fuel Engines, Using an Integral-Type Fatigue Criterion. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 1030-1053.	1.0	14
93	A new analytical solution and novel energy formulations for non-linear eccentric impact analysis of composite multi-layer/sandwich plates resting on point supports. <i>Thin-Walled Structures</i> , 2018, 127, 157-168.	5.3	14
94	Higher-order global-local theory with novel 3D-equilibrium-based corrections for static, frequency, and dynamic analysis of sandwich plates with flexible auxetic cores. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 559-578.	2.6	14
95	Minimizing the engine-induced harshness based on the DOE method and sensitivity analysis of the full vehicle NVH model. <i>International Journal of Automotive Technology</i> , 2009, 10, 687-696.	1.4	13
96	Nonlinear transient transfinite element thermal analysis of thick-walled FGM cylinders with temperature-dependent material properties. <i>Meccanica</i> , 2010, 45, 305-318.	2.0	13
97	Hygrothermomechanical creep and stress redistribution analysis of thick-walled FGM spheres with temperature and moisture dependent material properties and inelastic radius changes. <i>International Journal of Pressure Vessels and Piping</i> , 2019, 169, 94-114.	2.6	13
98	Nonlinear stress and deformation analysis of pressurized thick-walled hyperelastic cylinders with experimental verifications and material identifications. <i>International Journal of Pressure Vessels and Piping</i> , 2020, 188, 104211.	2.6	13
99	Novel Layerwise Shear Correction Factors for Zigzag Theories of Circular Sandwich Plates with Functionally Graded Layers. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 1362-1396.	1.0	12
100	A global-local theory with stress recovery and a new post-processing technique for stress analysis of asymmetric orthotropic sandwich plates with single/dual cores. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 286, 192-215.	6.6	12
101	3D energy-based finite element elasticity approach for shear postbuckling analysis of functionally graded plates on elastic foundations. <i>Composite Structures</i> , 2016, 152, 579-591.	5.8	12
102	Uniaxial and biaxial post-buckling behaviors of longitudinally graded rectangular plates on elastic foundations according to the 3D theory of elasticity. <i>Composite Structures</i> , 2016, 142, 57-70.	5.8	12
103	A unit-cell-based three-dimensional molecular mechanics analysis for buckling load, effective elasticity and Poisson's ratio determination of the nanosheets. <i>Molecular Simulation</i> , 2016, 42, 353-369.	2.0	12
104	Three-Dimensional Dynamic Stress and Vibration Analyses of Thick Singular-Kernel Fractional-Order Viscoelastic Annular Rotating Discs Under Nonuniform Loads. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2050007.	2.4	12
105	Explicit expressions describing elastic properties and buckling load of BN nanosheets due to the effects of vacancy defects. <i>Superlattices and Microstructures</i> , 2015, 88, 668-678.	3.1	11
106	Improvement of the dynamic instability of shallow hybrid composite cylindrical shells under impulse loads using shape memory alloy wires. <i>Composites Part B: Engineering</i> , 2019, 167, 167-179.	12.0	11
107	Novel rule-based global-local theory and energy model for sandwich plates with compliant cores and unevenly-distributed anisotropic SMA wires under impulsive/impact loads. <i>Composite Structures</i> , 2019, 209, 727-738.	5.8	11
108	Experimental and numerical investigation of composite conical shells' stability subjected to dynamic loading. <i>Structural Engineering and Mechanics</i> , 2014, 49, 555-568.	1.0	11

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109	An analytical solution for a low velocity impact between a rigid sphere and a transversely isotropic strain-hardening plate supported by a rigid substrate. <i>Journal of Engineering Mathematics</i> , 2012, 75, 107-125.	1.2	10
110	Stability Analysis of Composite Perforated Annular Sector Plates Under Thermomechanical Loading by Finite Element Method. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850100.	2.4	10
111	3D thermomechanical buckling analysis of perforated annular sector plates with multiaxial material heterogeneities based on curved B-spline elements. <i>Composite Structures</i> , 2018, 188, 89-103.	5.8	10
112	Nonlinear thermomechanical vibration mitigation analysis in rotating fractional-order viscoelastic bidirectional FG annular disks under nonuniform shocks. <i>Journal of Thermal Stresses</i> , 2020, 43, 829-873.	2.0	10
113	A variational iteration solution for elastic-plastic impact of polymer/clay nanocomposite plates with or without global lateral deflection, employing an enhanced contact law. <i>International Journal of Mechanical Sciences</i> , 2013, 67, 14-27.	6.7	9
114	Analytical layerwise stress and deformation analysis of laminated composite plates with arbitrary shapes of interfacial imperfections and discontinuous lateral deflections. <i>Composite Structures</i> , 2018, 200, 88-102.	5.8	9
115	Nonlinear semi-analytical nonlocal strain-gradient dynamic response investigation of phase-transition-induced transversely graded hierarchical viscoelastic nano/microplates. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 5388-5409.	2.1	9
116	Asymmetric Large Deformation Superharmonic and Subharmonic Resonances of Spiral Stiffened Imperfect FG Cylindrical Shells Resting on Generalized Nonlinear Viscoelastic Foundations. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050052.	2.2	9
117	On inefficiency of the shape memory alloys in dynamically loaded sandwich plates with structural damping: New 3D zigzag-viscoelasticity theory and asymmetric transformations. <i>Thin-Walled Structures</i> , 2020, 155, 106879.	5.3	9
118	A Nano-indentation Identification Technique for Viscoelastic Constitutive Characteristics of Periodontal Ligaments. <i>Journal of Biomedical Physics and Engineering</i> , 2016, 6, 109-18.	0.9	8
119	Static Tensile and Transient Dynamic Response of Cracked Aluminum Plate Repaired with Composite Patch – Numerical Study. <i>Applied Composite Materials</i> , 2014, 21, 441-455.	2.5	7
120	Theoretical and experimental evaluation of performance of CNG engine and pistons fatigue lives employing modified fatigue criteria. <i>Strength of Materials</i> , 2012, 44, 438-455.	0.5	6
121	A time-domain boundary element method for quasistatic thermoviscoelastic behavior modeling of the functionally graded materials. <i>International Journal of Mechanics and Materials in Design</i> , 2013, 9, 295-307.	3.0	6
122	Influence of the 3D material tailoring on snap-through and snap-back post-buckling behaviors of steel-wire-reinforced hybrid 3D graded orthotropic shallow cylindrical panels. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 685-701.	2.1	6
123	Using orthotropic viscoelastic representative elements for C1-continuous zigzag dynamic response assessment of sandwich FG circular plates with unevenly damaged adhesive layers. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 355-380.	4.7	6
124	Dynamic behavior of heterogeneous neo-Hookean/Mooney-Rivlin plates reinforced nonuniformly by hyperelastic inclusions: Proposing the correct micromechanical model. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1626-1643.	2.6	6
125	Three-dimensional stress and free vibration analyses of functionally graded plates with circular holes by the use of the graded finite element method. <i>Journal of Applied Mechanics and Technical Physics</i> , 2016, 57, 690-700.	0.5	5
126	Influence analysis of phase transformation anisotropy of shape memory alloy wires embedded in sandwich plates with flexible cores by a third-order zigzag theory with dynamic three-dimensional elasticity corrections. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 1450-1495.	3.5	5

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127	Modeling of Viscoelastic Solid Polymers Using a Boundary Element Formulation with Considering a Body Load. <i>Advanced Materials Research</i> , 0, 463-464, 499-504.	0.3	4
128	Two-Dimensional Modeling of Functionally Graded Viscoelastic Materials Using a Boundary Element Approach. <i>Advanced Materials Research</i> , 0, 463-464, 570-574.	0.3	4
129	A Three-Dimensional Comparative Study of the Isoparametric Graded Boundary and Finite Element Methods for Nonhomogeneous FGM Plates with Eccentric Cutouts. <i>International Journal of Computational Methods</i> , 2017, 14, 1750006.	1.3	4
130	An accurate hyperelasticity-based plate theory and nonlinear energy-based micromechanics for impact and shock analyses of compliant particle-reinforced FG hyperelastic plates. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2022, 102, .	1.6	4
131	An FEM Approach for Three-Dimensional Thermo-viscoelastic Stress Analysis of Orthotropic Cylinders Made of Polymers. <i>Advanced Materials Research</i> , 2013, 685, 295-299.	0.3	3
132	Localized and overall interaction effects of irregular interfacial bonds and elastic edge restraints for sandwich and functionally graded multilayer circular plates with normal/shear tractions. <i>Journal of Sandwich Structures and Materials</i> , 2019, , 109963621985005.	3.5	3
133	Layerwise theory for dynamic buckling and postbuckling of laminated composite cylindrical shells. <i>AIAA Journal</i> , 1998, 36, 1874-1882.	2.6	3
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