Mohammad Shariyat

List of Publications by Year
in descending order

157 papers	3,829 citations	101543 36 h-index	189892 50 g-index
157 all docs	157 docs citations	157 times ranked	1193 citing authors

#	Article	IF	Citations
1	Dynamic behavior of heterogeneous neo-Hookean/Mooneyâ€“Rivlin plates reinforced nonuniformly by hyperelastic inclusions: Proposing the correct micromechanical model. JVC/Journal of Vibration and Control, 2023, 29, 1626-1643.	2.6	6
2	Modified strain gradient analysis of microscale dynamic response suppression of SMA-composite microplates featuring 2D superelastic phase transformations and kinematic nonlinearity. Composite Structures, 2022, 280, 114879.	5.8	2
3	Nonlinear finite-speed thermoelasticity with physically possible fractional orders for wave propagation, reflection, and mixing analyses in annular discs with initial rotational pre-deformations. Acta Mechanica, 2022, 233, 725-752.	2.1	3
4	An accurate hyperelasticityâ€based plate theory and nonlinear energyâ€based micromechanics for impact and shock analyses of compliant particleâ€reinforced FG hyperelastic plates. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	1.6	4
5	Nonlinear dynamic response dissipation of plates with heterogeneous orthotropic distributions of shape memory alloy micro-wires undergoing 3D phase-transformations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	1
6	Novel 2D strain-rate-dependent lamina-based and RVE/phase-based progressive fatigue damage criteria for randomly loaded multi-layer fiber-reinforced composites. Frattura Ed Integrita Strutturale, 2022, 16, 423-443.	0.9	0
7	Skew-normal log-volatility model of road surface profile. Mechanical Systems and Signal Processing, 2022, 177, 109236.	8.0	0
8	Thermally nonlinear generalized thermoelasticity investigation of a functionally graded thick hollow cylinder based on the finite difference method. Thin-Walled Structures, 2022, 177, 109359.	5.3	3
9	Using orthotropic viscoelastic representative elements for C1-continuous zigzag dynamic response assessment of sandwich FG circular plates with unevenly damaged adhesive layers. Mechanics Based Design of Structures and Machines, 2021, 49, 355-380.	4.7	6
10	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. Journal of Sandwich Structures and Materials, 2020, 22, 1450-1495.	3.5	5
11	Nonlinear coupled thermoelastic analysis of thermal wave propagation in a functionally graded finite solid undergoing finite strain. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2309-2320.	3.6	19
12	Generalized 3D high cycle fatigue criteria for multiscale bridgingâ€based progressive damage analysis of multilayer composite parts under random loads and material deterioration. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 466-487.	3.4	0
13	Three-Dimensional Dynamic Stress and Vibration Analyses of Thick Singular-Kernel Fractional-Order Viscoelastic Annular Rotating Discs Under Nonuniform Loads. International Journal of Structural Stability and Dynamics, 2020, 20, 2050007.	2.4	12
14	Nonlinear stress and deformation analysis of pressurized thick-walled hyperelastic cylinders with experimental verifications and material identifications. International Journal of Pressure Vessels and Piping, 2020, 188, 104211.	2.6	13
15	Asymmetric Large Deformation Superharmonic and Subharmonic Resonances of Spiral Stiffened Imperfect FG Cylindrical Shells Resting on Generalized Nonlinear Viscoelastic Foundations. International Journal of Applied Mechanics, 2020, 12, 2050052.	2.2	9
16	On inefficiency of the shape memory alloys in dynamically loaded sandwich plates with structural damping: New 3D zigzag-viscoelasticity theory and asymmetric transformations. Thin-Walled Structures, 2020, 155, 106879.	5.3	9
17	Nonlinear thermomechanical vibration mitigation analysis in rotating fractional-order viscoelastic bidirectional FG annular disks under nonuniform shocks. Journal of Thermal Stresses, 2020, 43, 829-873.	2.0	10
18	3D nonlinear variable strain-rate-dependent-order fractional thermoviscoelastic dynamic stress investigation and vibration of thick transversely graded rotating annular plates/discs. Applied Mathematical Modelling, 2020, 84, 287-323.	4.2	15

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19	Nonlinear impact and damping investigations of viscoporoelastic functionally graded plates with in-plane diffusion and partial supports. Composite Structures, 2020, 245, 112345.	5.8	15
20	Nonlocal zigzag analytical solution for Laplacian hygrothermal stress analysis of annular sandwich macro/nanoplates with poor adhesions and 2D-FGM porous cores. Archives of Civil and Mechanical Engineering, 2019, 19, 1211-1234.	3.8	26
21	Nonlinear Hermitian generalized hygrothermoelastic stress and wave propagation analyses of thick FGM spheres exhibiting temperature, moisture, and strain-rate material dependencies. Composite Structures, 2019, 229, 111364.	5.8	26
22	Nonlinear semi-analytical nonlocal strain-gradient dynamic response investigation of phase-transition-induced transversely graded hierarchical viscoelastic nano/microplates. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5388-5409.	2.1	9
23	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. Journal of Sandwich Structures and Materials, 2019, , 109963621985005.	3.5	3
24	Improvement of the dynamic instability of shallow hybrid composite cylindrical shells under impulse loads using shape memory alloy wires. Composites Part B: Engineering, 2019, 167, 167-179.	12.0	11
25	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. Composite Structures, 2019, 209, 727-738.	5.8	11
26	Hygrothermomechanical creep and stress redistribution analysis of thick-walled FGM spheres with temperature and moisture dependent material properties and inelastic radius changes. International Journal of Pressure Vessels and Piping, 2019, 169, 94-114.	2.6	13
27	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. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 685-701.	2.1	6
28	Higher-order global-local theory with novel 3D-equilibrium-based corrections for static, frequency, and dynamic analysis of sandwich plates with flexible auxetic cores. Mechanics of Advanced Materials and Structures, 2019, 26, 559-578.	2.6	14
29	A new analytical solution and novel energy formulations for non-linear eccentric impact analysis of composite multi-layer/sandwich plates resting on point supports. Thin-Walled Structures, 2018, 127, 157-168.	5.3	14
30	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. Engineering Failure Analysis, 2018, 90, 534-553.	4.0	24
31	Stability Analysis of Composite Perforated Annular Sector Plates Under Thermomechanical Loading by Finite Element Method. International Journal of Structural Stability and Dynamics, 2018, 18, 1850100.	2.4	10
32	3D thermomechanical buckling analysis of perforated annular sector plates with multiaxial material heterogeneities based on curved B-spline elements. Composite Structures, 2018, 188, 89-103.	5.8	10
33	Analytical layerwise stress and deformation analysis of laminated composite plates with arbitrary shapes of interfacial imperfections and discontinuous lateral deflections. Composite Structures, 2018, 200, 88-102.	5.8	9
34	Analytical layerwise free vibration analysis of circular/annular composite sandwich plates with auxetic cores. International Journal of Mechanics and Materials in Design, 2017, 13, 125-157.	3.0	23
35	A Three-Dimensional Comparative Study of the Isoparametric Graded Boundary and Finite Element Methods for Nonhomogeneous FGM Plates with Eccentric Cutouts. International Journal of Computational Methods, 2017, 14, 1750006.	1.3	4
36	Non-linear layerwise dynamic response analysis of sandwich plates with soft auxetic cores and embedded SMA wires experiencing cyclic loadings. Composite Structures, 2017, 171, 185-197.	5.8	38

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37	Damping sources interactions in impact of viscoelastic composite plates with damping treated SMA wires, using a hyperbolic plate theory. Applied Mathematical Modelling, 2017, 43, 421-440.	4.2	25
38	Differential quadrature thermal buckling analysis of general quadrilateral orthotropic auxetic FGM plates on elastic foundations. Thin-Walled Structures, 2017, 112, 194-207.	5.3	24
39	A robust algorithm for behavior and effectiveness investigations of super-elastic SMA wires embedded in composite plates under impulse loading. Composite Structures, 2017, 179, 355-367.	5.8	18
40	Snap instability of shallow laminated cylindrical shells reinforced with functionally graded shape memory alloy wires. Composite Structures, 2017, 180, 581-595.	5.8	26
41	Thermal buckling analysis of functionally graded perforated annular sector plates using 3D elasticity theory. Journal of Thermal Stresses, 2017, 40, 1545-1562.	2.0	2
42	Analytical Bending and Stress Analysis of Variable Thickness FGM Auxetic Conical/Cylindrical Shells with General Tractions. Latin American Journal of Solids and Structures, 2017, 14, 805-843.	1.0	25
43	A Visco-hyperelastic model for prediction of the brain tissue response and the traumatic brain injuries. , 2017, 6, 41.		1
44	Experimental and Finite Element Studies on Free Vibration of Automotive Steering Knuckle. International Journal of Engineering Transactions B: Applications, 2017, 30, .	0.5	1
45	Experimentally Validated Combustion and Piston Fatigue Life Evaluation Procedures for the Bi-Fuel Engines, Using an Integral-Type Fatigue Criterion. Latin American Journal of Solids and Structures, 2016, 13, 1030-1053.	1.0	14
46	Layerwise numerical and experimental impact analysis of temperature-dependent transversely flexible composite plates with embedded SMA wires in thermal environments. Composite Structures, 2016, 153, 692-703.	5.8	28
47	3D energy-based finite element elasticity approach for shear postbuckling analysis of functionally graded plates on elastic foundations. Composite Structures, 2016, 152, 579-591.	5.8	12
48	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. Thin-Walled Structures, 2016, 106, 166-178.	5.3	21
49	Three-dimensional stress and free vibration analyses of functionally graded plates with circular holes by the use of the graded finite element method. Journal of Applied Mechanics and Technical Physics, 2016, 57, 690-700.	0.5	5
50	Uniaxial and biaxial post-buckling behaviors of longitudinally graded rectangular plates on elastic foundations according to the 3D theory of elasticity. Composite Structures, 2016, 142, 57-70.	5.8	12
51	Thermo-magneto-elasticity analysis of variable thickness annular FGM plates with asymmetric shear and normal loads and non-uniform elastic foundations. Archives of Civil and Mechanical Engineering, 2016, 16, 448-466.	3.8	37
52	Three-dimensional biaxial post-buckling analysis of heterogeneous auxetic rectangular plates on elastic foundations by new criteria. Computer Methods in Applied Mechanics and Engineering, 2016, 302, 1-26.	6.6	27
53	Impact analysis of strain-rate-dependent composite plates with SMA wires in thermal environments: Proposing refined coupled thermoelasticity, constitutive, and contact models. Composite Structures, 2016, 136, 191-203.	5.8	20
54	A unit-cell-based three-dimensional molecular mechanics analysis for buckling load, effective elasticity and Poisson's ratio determination of the nanosheets. Molecular Simulation, 2016, 42, 353-369.	2.0	12

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55	Brain Tissue Response Analysis Based on Several Hyperelastic Models, for Traumatic Brain Injury Assessment. Universal Journal of Biomedical Engineering, 2016, 4, 11-26.	0.4	2
56	A Nano-indentation Identification Technique for Viscoelastic Constitutive Characteristics ofÂPeriodontal Ligaments. Journal of Biomedical Physics and Engineering, 2016, 6, 109-18.	0.9	8
57	Novel Layerwise Shear Correction Factors for Zigzag Theories of Circular Sandwich Plates with Functionally Graded Layers. Latin American Journal of Solids and Structures, 2015, 12, 1362-1396.	1.0	12
58	A globalâ€“local theory with stress recovery and a new post-processing technique for stress analysis of asymmetric orthotropic sandwich plates with single/dual cores. Computer Methods in Applied Mechanics and Engineering, 2015, 286, 192-215.	6.6	12
59	Three-dimensional magneto-elastic analysis of asymmetric variable thickness porous FGM circular plates with non-uniform tractions and Kerr elastic foundations. Composite Structures, 2015, 125, 558-574.	5.8	66
60	Accurate eccentric impact analysis of the preloaded SMA composite plates, based on a novel mixed-order hyperbolic globalâ€“local theory. Composite Structures, 2015, 124, 140-151.	5.8	34
61	Analytical zigzag formulation with 3D elasticity corrections for bending and stress analysis of circular/annular composite sandwich plates with auxetic cores. Composite Structures, 2015, 132, 175-197.	5.8	23
62	Explicit expressions describing elastic properties and buckling load of BN nanosheets due to the effects of vacancy defects. Superlattices and Microstructures, 2015, 88, 668-678.	3.1	11
63	Biaxial thermo-mechanical buckling of orthotropic auxetic FGM plates with temperature and moisture dependent material properties on elastic foundations. Composites Part B: Engineering, 2015, 83, 88-104.	12.0	51
64	A mathematical boundary integral equation for analysis of the heterogeneous media, using the functionally graded elements. International Journal of Computational Materials Science and Engineering, 2015, 04, 1550017.	0.7	1
65	A numerical boundary integral equation analysis for standard linear viscoelastic media made of functionally graded materials. International Journal of Mechanical and Materials Engineering, 2014, 9, .	2.2	1
66	Three-dimensional stress field analysis of rotating thick bidirectional functionally graded axisymmetric annular plates with nonuniform loads and elastic foundations. Journal of Composite Materials, 2014, 48, 2879-2904.	2.4	21
67	Three-dimensional non-linear elasticity-based 3D cubic B-spline finite element shear buckling analysis of rectangular orthotropic FGM plates surrounded by elastic foundations. Composites Part B: Engineering, 2014, 56, 934-947.	12.0	42
68	A finite element based globalâ€“local theory for static analysis of rectangular sandwich and laminated composite plates. Composite Structures, 2014, 107, 177-189.	5.8	22
69	3D B-spline finite element nonlinear elasticity buckling analysis of rectangular FGM plates under non-uniform edge loads, using a micromechanical model. Composite Structures, 2014, 112, 397-408.	5.8	16
70	Analytical stress analysis of annular FGM sandwich plates with non-uniform shear and normal tractions, employing a zigzag-elasticity plate theory. Aerospace Science and Technology, 2014, 32, 235-259.	4.8	45
71	Thermal buckling predictions of three types of high-order theories for the heterogeneous orthotropic plates, using the new version of DQM. Composite Structures, 2014, 113, 40-55.	5.8	22
72	Low-velocity impact analysis of the hierarchical viscoelastic FGM plates, using an explicit shear-bending decomposition theory and the new DQ method. Composite Structures, 2014, 113, 63-73.	5.8	46

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73	Eccentric low-velocity impact analysis of transversely graded plates with Winkler-type elastic foundations and fully or partially supported edges. Thin-Walled Structures, 2014, 84, 112-122.	5.3	24
74	Eccentric impact analysis of pre-stressed composite sandwich plates with viscoelastic cores: A novel globalâ€“local theory and a refined contact law. Composite Structures, 2014, 117, 333-345.	5.8	22
75	Enhanced model for nonlinear dynamic analysis of rectangular composite plates with embedded SMA wires, considering the instantaneous local phase changes. Composite Structures, 2014, 109, 106-118.	5.8	32
76	Enhanced algorithm for nonlinear impact of rectangular composite plates with SMA wires, accurately tracing the instantaneous and local phase changes. Composite Structures, 2014, 108, 834-847.	5.8	17
77	A Numerical Lagrangian Approach for Analysis of Contact Viscoelastic Problems. Computational Mathematics and Modeling, 2014, 25, 416-422.	0.5	0
78	Static Tensile and Transient Dynamic Response of Cracked Aluminum Plate Repaired with Composite Patch â€“ Numerical Study. Applied Composite Materials, 2014, 21, 441-455.	2.5	7
79	A novel shear correction factor for stress and modal analyses of annular FGM plates with non-uniform inclined tractions and non-uniform elastic foundations. International Journal of Mechanical Sciences, 2014, 87, 60-71.	6.7	22
80	An analytical globalâ€“local Taylor transformation-based vibration solution for annular FGM sandwich plates supported by nonuniform elastic foundations. Archives of Civil and Mechanical Engineering, 2014, 14, 6-24.	3.8	27
81	Experimental and numerical investigation of composite conical shells' stability subjected to dynamic loading. Structural Engineering and Mechanics, 2014, 49, 555-568.	1.0	11
82	A three-dimensional boundary element stress and bending analysis of transversely/longitudinally graded plates with circular cutouts under biaxial loading. European Journal of Mechanics, A/Solids, 2013, 42, 344-357.	3.7	26
83	A boundary element formulation for the heterogeneous functionally graded viscoelastic structures. Applied Mathematics and Computation, 2013, 225, 246-262.	2.2	14
84	A three-dimensional elasticity solution for two-directional FGM annular plates with non-uniform elastic foundations subjected to normal and shear tractions. Acta Mechanica Solida Sinica, 2013, 26, 671-690.	1.9	22
85	Nonlinear thermal buckling and postbuckling analyses of imperfect variable thickness temperature-dependent bidirectional functionally graded cylindrical shells. International Journal of Pressure Vessels and Piping, 2013, 111-112, 310-320.	2.6	42
86	An FEM Approach for Three-Dimensional Thermoviscoelastic Stress Analysis of Orthotropic Cylinders Made of Polymers. Advanced Materials Research, 2013, 685, 295-299.	0.3	3
87	Investigation of the thickness variability and material heterogeneity effects on free vibration of the viscoelastic circular plates. Acta Mechanica Solida Sinica, 2013, 26, 83-98.	1.9	14
88	Semi-analytical consistent zigzag-elasticity formulations with implicit layerwise shear correction factors for dynamic stress analysis of sandwich circular plates with FGM layers. Composites Part B: Engineering, 2013, 49, 43-64.	12.0	38
89	Comparison of the stress distributions of liquid gas road tankers with various configurations during braking, cornering, and vertical bump maneuvers. International Journal of Automotive Technology, 2013, 14, 301-311.	1.4	2
90	Semianalytical Solution for Buckling Analysis of Variable Thickness Two-Directional Functionally Graded Circular Plates with Nonuniform Elastic Foundations. Journal of Engineering Mechanics - ASCE, 2013, 139, 664-676.	2.9	39

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91	A time-domain boundary element method for quasistatic thermoviscoelastic behavior modeling of the functionally graded materials. International Journal of Mechanics and Materials in Design, 2013, 9, 295-307.	3.0	6
92	Modeling and transient dynamic analysis of pseudoelastic SMA hybrid composite beam. Applied Mathematics and Computation, 2013, 219, 9762-9782.	2.2	38
93	A power series solution for vibration and complex modal stress analyses of variable thickness viscoelastic two-directional FGM circular plates on elastic foundations. Applied Mathematical Modelling, 2013, 37, 3063-3076.	4.2	65
94	A variational iteration solution for elasticâ€“plastic impact of polymer/clay nanocomposite plates with or without global lateral deflection, employing an enhanced contact law. International Journal of Mechanical Sciences, 2013, 67, 14-27.	6.7	9
95	Two-dimensional modeling of heterogeneous structures using graded finite element and boundary element methods. Meccanica, 2013, 48, 663-680.	2.0	27
96	Nonlinear eccentric low-velocity impact analysis of a highly prestressed FGM rectangular plate, using a refined contact law. Archive of Applied Mechanics, 2013, 83, 623-641.	2.2	24
97	A micromechanical approach for semi-analytical low-velocity impact analysis of a bidirectional functionally graded circular plate resting on an elastic foundation. Meccanica, 2013, 48, 2127-2148.	2.0	21
98	Highly accurate nonlinear three-dimensional finite element elasticity approach for biaxial buckling of rectangular anisotropic FGM plates with general orthotropy directions. Composite Structures, 2013, 106, 235-249.	5.8	26
99	A full compatible three-dimensional elasticity element for buckling analysis of FGM rectangular plates subjected to various combinations of biaxial normal and shear loads. Finite Elements in Analysis and Design, 2013, 74, 9-21.	3.2	29
100	Analytical zigzag-elasticity transient and forced dynamic stress and displacement response prediction of the annular FGM sandwich plates. Composite Structures, 2013, 106, 426-445.	5.8	25
101	Three-dimensional static and dynamic analysis of functionally graded elliptical plates, employing graded finite elements. Acta Mechanica, 2013, 224, 1849-1864.	2.1	18
102	Nonlinear low-velocity impact response analysis of a radially preloaded two-directional-functionally graded circular plate: A refined contact stiffness approach. Composites Part B: Engineering, 2013, 45, 981-994.	12.0	53
103	Non-linear dynamic analysis of a sandwich beam with pseudoelastic SMA hybrid composite faces based on higher order finite element theory. Composite Structures, 2013, 96, 243-255.	5.8	88
104	Three-dimensional compatible finite element stress analysis of spinning two-directional FGM annular plates and disks with load and elastic foundation non-uniformities. Latin American Journal of Solids and Structures, 2013, 10, 859-890.	1.0	17
105	The analytical solution of the buckling of composite truncated conical shells under combined external pressure and axial compression?. Journal of Mechanical Science and Technology, 2012, 26, 2783-2791.	1.5	15
106	Displacement/stress level-crossing stochastic finite element-based algorithm for reliability assessment of vehicle components with loading and material uncertainties. International Journal of Automotive Technology, 2012, 13, 1099-1111.	1.4	2
107	Nonlinear transient stress and wave propagation analyses of the FGM thick cylinders, employing a unified generalized thermoelasticity theory. International Journal of Mechanical Sciences, 2012, 65, 24-37.	6.7	79
108	Theoretical and experimental evaluation of performance of CNG engine and pistons fatigue lives employing modified fatigue criteria. Strength of Materials, 2012, 44, 438-455.	0.5	6

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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. Journal of Engineering Mathematics, 2012, 75, 107-125.	1.2	10
110	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. European Journal of Mechanics, A/Solids, 2012, 34, 78-101.	3.7	49
111	A general nonlinear global-local theory for bending and buckling analyses of imperfect cylindrical laminated and sandwich shells under thermomechanical loads. Meccanica, 2012, 47, 301-319.	2.0	31
112	An accurate double-superposition globalâ€“local theory for vibration and bending analyses of cylindrical composite and sandwich shells subjected to thermo-mechanical loads. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 1816-1832.	2.1	18
113	Modeling and vibration response analysis of a human skull system with a viscoelastic nature. , 2011, , .		0
114	Semi-analytical buckling analysis of heterogeneous variable thickness viscoelastic circular plates on elastic foundations. Mechanics Research Communications, 2011, 38, 594-601.	1.8	43
115	A double-superposition globalâ€“local theory for vibration and dynamic buckling analyses of viscoelastic composite/sandwich plates: a complex modulus approach. Archive of Applied Mechanics, 2011, 81, 1253-1268.	2.2	41
116	Differential transform vibration and modal stress analyses of circular plates made of two-directional functionally graded materials resting on elastic foundations. Archive of Applied Mechanics, 2011, 81, 1289-1306.	2.2	73
117	A refined high-order global-local theory for finite element bending and vibration analyses of laminated composite beams. Acta Mechanica, 2011, 217, 219-242.	2.1	59
118	A refined mixed globalâ€“local finite element model for bending analysis of multi-layered rectangular composite beams with small widths. Thin-Walled Structures, 2011, 49, 351-362.	5.3	29
119	A nonlinear double-superposition globalâ€“local theory for dynamic buckling of imperfect viscoelastic composite/sandwich plates: A hierarchical constitutive model. Composite Structures, 2011, 93, 1890-1899.	5.8	40
120	Nonlinear thermomechanical dynamic buckling analysis of imperfect viscoelastic composite/sandwich shells by a double-superposition globalâ€“local theory and various constitutive models. Composite Structures, 2011, 93, 2833-2843.	5.8	37
121	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. International Journal of Non-Linear Mechanics, 2011, 46, 253-271.	2.6	47
122	Exact and numerical elastodynamic solutions for thick-walled functionally graded cylinders subjected to pressure shocks. International Journal of Pressure Vessels and Piping, 2011, 88, 75-87.	2.6	30
123	A semi-analytical solution for free vibration of variable thickness two-directional-functionally graded plates on elastic foundations. International Journal of Mechanics and Materials in Design, 2010, 6, 293-304.	3.0	50
124	Nonlinear transient transfinite element thermal analysis ofÂthick-walled FGM cylinders with temperature-dependent material properties. Meccanica, 2010, 45, 305-318.	2.0	13
125	Nonlinear transient thermal stress and elastic wave propagation analyses of thick temperature-dependent FGM cylinders, using a second-order point-collocation method. Applied Mathematical Modelling, 2010, 34, 898-918.	4.2	60
126	A generalized globalâ€“local high-order theory for bending and vibration analyses of sandwich plates subjected to thermo-mechanical loads. International Journal of Mechanical Sciences, 2010, 52, 495-514.	6.7	86

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127	Nonlinear thermoelasticity, vibration, and stress wave propagation analyses of thick FGM cylinders with temperature-dependent material properties. European Journal of Mechanics, A/Solids, 2010, 29, 378-391.	3.7	61
128	Non-linear dynamic thermo-mechanical buckling analysis of the imperfect sandwich plates based on a generalized three-dimensional high-order globalâ€“local plate theory. Composite Structures, 2010, 92, 72-85.	5.8	62
129	A generalized high-order globalâ€“local plate theory for nonlinear bending and buckling analyses of imperfect sandwich plates subjected to thermo-mechanical loads. Composite Structures, 2010, 92, 130-143.	5.8	80
130	New Multiaxial HCF Criteria Based on Instantaneous Fatigue Damage Tracing in Components with Complicated Geometries and Random Non-Proportional Loading Conditions. International Journal of Damage Mechanics, 2010, 19, 659-690.	4.2	17
131	A nanoindentation modeling of viscoelastic creep and relaxation behaviors of ligaments mechanical characteristics of biological tissues. , 2010, , .		1
132	A mathematical approach for describing the time-dependent Poisson's ratio of viscoelastic ligaments mechanical characteristics of biological tissues. , 2010, , .		2
133	Two New Multiaxial HCF Criteria Based on Virtual Stress Amplitude and Virtual Mean Stress Concepts for Complicated Geometries and Random Nonproportional Loading Conditions. Journal of Engineering Materials and Technology, Transactions of the ASME, 2009, 131, .	1.4	14
134	Minimizing the engine-induced harshness based on the DOE method and sensitivity analysis of the full vehicle NVH model. International Journal of Automotive Technology, 2009, 10, 687-696.	1.4	13
135	Three energyâ€based multiaxial HCF criteria for fatigue life determination in components under random nonâ€proportional stress fields. Fatigue and Fracture of Engineering Materials and Structures, 2009, 32, 785-808.	3.4	26
136	A nonlinear Hermitian transfinite element method for transient behavior analysis of hollow functionally graded cylinders with temperature-dependent materials under thermo-mechanical loads. International Journal of Pressure Vessels and Piping, 2009, 86, 280-289.	2.6	55
137	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. Composite Structures, 2009, 88, 228-239.	5.8	75
138	Vibration and dynamic buckling control of imperfect hybrid FGM plates with temperature-dependent material properties subjected to thermo-electro-mechanical loading conditions. Composite Structures, 2009, 88, 240-252.	5.8	80
139	Dynamic thermal buckling of suddenly heated temperature-dependent FGM cylindrical shells, under combined axial compression and external pressure. International Journal of Solids and Structures, 2008, 45, 2598-2612.	2.7	108
140	A fatigue model developed by modification of Goughâ€™s theory, for random non-proportional loading conditions and three-dimensional stress fields. International Journal of Fatigue, 2008, 30, 1248-1258.	5.7	27
141	Dynamic buckling of suddenly loaded imperfect hybrid FGM cylindrical shells with temperature-dependent material properties under thermo-electro-mechanical loads. International Journal of Mechanical Sciences, 2008, 50, 1561-1571.	6.7	86
142	Thermal buckling analysis of rectangular composite plates with temperature-dependent properties based on a layerwise theory. Thin-Walled Structures, 2007, 45, 439-452.	5.3	125
143	On Thermal Dynamic Buckling Analysis of Imperfect Laminated Cylindrical Shells. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2000, 80, 171-182.	1.6	28
144	On Thermal Dynamic Buckling Analysis of Imperfect Laminated Cylindrical Shells. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2000, 80, 171-182.	1.6	0

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145	A High-Order Theory for Dynamic Buckling and Postbuckling Analysis of Laminated Cylindrical Shells. Journal of Pressure Vessel Technology, Transactions of the ASME, 1999, 121, 94-102.	0.6	40
146	Dynamic Buckling and Post-buckling of Imperfect Orthotropic Cylindrical Shells Under Mechanical and Thermal Loads, Based on the Three-Dimensional Theory of Elasticity. Journal of Applied Mechanics, Transactions ASME, 1999, 66, 476-484.	2.2	45
147	Layerwise Theory for Dynamic Buckling and Postbuckling of Laminated Composite Cylindrical Shells. AIAA Journal, 1998, 36, 1874-1882.	2.6	53
148	Layerwise theory for dynamic buckling and postbuckling of laminated composite cylindrical shells. AIAA Journal, 1998, 36, 1874-1882.	2.6	3
149	Elastic, Plastic, and Creep Buckling of Imperfect Cylinders Under Mechanical and Thermal Loading. Journal of Pressure Vessel Technology, Transactions of the ASME, 1997, 119, 27-36.	0.6	19
150	Isoparametric finite-element thermoelasto-plastic creep analysis of shells of revolution. International Journal of Pressure Vessels and Piping, 1996, 68, 249-259.	2.6	25
151	A Technique to Distinguish the Primary and Secondary Stresses. Journal of Pressure Vessel Technology, Transactions of the ASME, 1995, 117, 197-203.	0.6	17
152	An Improved Finite Element-Based Model for Reliability Assessment of a Profile-Type Automotive Body Experiencing Uncertain Loading Conditions and Material Properties. SAE International Journal of Materials and Manufacturing, 0, 4, 957-968.	0.3	0
153	Modeling of Viscoelastic Solid Polymers Using a Boundary Element Formulation with Considering a Body Load. Advanced Materials Research, 0, 463-464, 499-504.	0.3	4
154	Two-Dimensional Modeling of Functionally Graded Viscoelastic Materials Using a Boundary Element Approach. Advanced Materials Research, 0, 463-464, 570-574.	0.3	4
155	Boundary Integral Equation Analysis of an Inhomogeneous Medium Made of Functionally Graded Materials. Advanced Materials Research, 0, 685, 285-289.	0.3	0
156	Propagation and interference of oppositely traveling generalized multi-fractional-order thermo-viscoelastic waves in discs with fractional-order constitutive and heat conduction models. Waves in Random and Complex Media, 0, , 1-29.	2.7	3
157	Nonlinear Dynamic Response of an Abruptly Loaded Rubber-Like Hyperelastic Plate Resting on a Dissipative Viscoelastic Winklerâ€“Pasternak Medium. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 0, , .	1.3	2