Kim Meow Liew

List of Publications by Year
in descending order

944	45,658	2311 98	7496 151
papers	citations	h-index	g-index

956	956	956	15768
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Static and free vibration analyses of carbon nanotube-reinforced composite plates using finite element method with first order shear deformation plate theory. Composite Structures, 2012, 94, 1450-1460.	3.1	588
2	Mechanical analysis of functionally graded carbon nanotube reinforced composites: A review. Composite Structures, 2015, 120, 90-97.	3.1	559
3	Society and civilization: an optimization algorithm based on the simulation of social behavior. IEEE Transactions on Evolutionary Computation, 2003, 7, 386-396.	7.5	465
4	Application of nonlocal continuum mechanics to static analysis of micro- and nano-structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 236-242.	0.9	430
5	Active control of FGM plates with integrated piezoelectric sensors and actuators. International Journal of Solids and Structures, 2001, 38, 1641-1655.	1.3	371
6	Nonlocal shell model for elastic wave propagation in single- and double-walled carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2008, 56, 3475-3485.	2.3	369
7	On the study of elastic and plastic properties of multi-walled carbon nanotubes under axial tension using molecular dynamics simulation. Acta Materialia, 2004, 52, 2521-2527.	3.8	345
8	Buckling analysis of multi-walled carbon nanotubes: a continuum model accounting for van der Waals interaction. Journal of the Mechanics and Physics of Solids, 2005, 53, 303-326.	2.3	345
9	Preparation of functionalized graphene oxide/polypropylene nanocomposite with significantly improved thermal stability and studies on the crystallization behavior and mechanical properties. Chemical Engineering Journal, 2014, 237, 411-420.	6.6	341
10	A review of meshless methods for laminated and functionally graded plates and shells. Composite Structures, 2011, 93, 2031-2041.	3.1	340
11	Equilibrium configuration and continuum elastic properties of finite sized graphene. Nanotechnology, 2006, 17, 864-870.	1.3	326
12	Free vibration analysis of functionally graded plates using the element-free kp-Ritz method. Journal of Sound and Vibration, 2009, 319, 918-939.	2.1	323
13	Nanomechanics of single and multiwalled carbon nanotubes. Physical Review B, 2004, 69, .	1.1	298
14	Buckling analysis of functionally graded carbon nanotube-reinforced composite plates using the element-free kp-Ritz method. Composite Structures, 2013, 98, 160-168.	3.1	294
15	A Swarm Metaphor for Multiobjective Design Optimization. Engineering Optimization, 2002, 34, 141-153.	1.5	286
16	Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. International Journal of Solids and Structures, 2003, 40, 3869-3892.	1.3	266
17	Static and dynamic of carbon nanotube reinforced functionally graded cylindrical panels. Composite Structures, 2014, 111, 205-212.	3.1	264
18	Continuum model for the vibration of multilayered graphene sheets. Physical Review B, 2005, 72, .	1.1	255

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19	Eco-friendly flame retardant and electromagnetic interference shielding cotton fabrics with multi-layered coatings. Chemical Engineering Journal, 2019, 372, 1077-1090.	6.6	251
20	Dynamic stability analysis of functionally graded cylindrical shells under periodic axial loading. International Journal of Solids and Structures, 2001, 38, 1295-1309.	1.3	242
21	Green concrete: Prospects and challenges. Construction and Building Materials, 2017, 156, 1063-1095.	3.2	241
22	Mechanical and thermal buckling analysis of functionally graded plates. Composite Structures, 2009, 90, 161-171.	3.1	235
23	Free vibration analysis of functionally graded carbon nanotube-reinforced composite plates using the element-free kp-Ritz method in thermal environment. Composite Structures, 2013, 106, 128-138.	3.1	235
24	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. International Journal of Solids and Structures, 2003, 40, 2355-2380.	1.3	230
25	Free vibration analysis of functionally graded carbon nanotube-reinforced composite triangular plates using the FSDT and element-free IMLS-Ritz method. Composite Structures, 2015, 120, 189-199.	3.1	217
26	Research on thick plate vibration: a literature survey. Journal of Sound and Vibration, 1995, 180, 163-176.	2.1	214
27	Carbon nanotube reinforced cementitious composites: An overview. Composites Part A: Applied Science and Manufacturing, 2016, 91, 301-323.	3.8	214
28	Postbuckling of carbon nanotube-reinforced functionally graded cylindrical panels under axial compression using a meshless approach. Computer Methods in Applied Mechanics and Engineering, 2014, 268, 1-17.	3.4	212
29	Vibration analysis of symmetrically laminated plates based on FSDT using the moving least squares differential quadrature method. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 2203-2222.	3.4	206
30	Predicting nanovibration of multi-layered graphene sheets embedded in an elastic matrix. Acta Materialia, 2006, 54, 4229-4236.	3.8	201
31	Preparation of poly(vinyl alcohol) nanocomposites with molybdenum disulfide (MoS2): structural characteristics and markedly enhanced properties. RSC Advances, 2012, 2, 11695.	1.7	201
32	Free vibration analysis of laminated FG-CNT reinforced composite rectangular plates using the kp-Ritz method. Composite Structures, 2015, 127, 245-259.	3.1	201
33	Mechanical design and optimization of capacitive micromachined switch. Sensors and Actuators A: Physical, 2001, 93, 273-285.	2.0	198
34	Isogeometric analysis of functionally graded carbon nanotube-reinforced composite plates using higher-order shear deformation theory. Composite Structures, 2015, 123, 137-149.	3.1	191
35	Dynamic stability analysis of carbon nanotube-reinforced functionally graded cylindrical panels using the element-free kp-Ritz method. Composite Structures, 2014, 113, 328-338.	3.1	187
36	Resonance analysis of multi-layered graphene sheets used as nanoscale resonators. Nanotechnology, 2005, 16, 2086-2091.	1.3	184

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37	Thermal buckling of functionally graded plates using a local Kriging meshless method. Composite Structures, 2014, 108, 472-492.	3.1	184
38	Application of Wavelet Theory for Crack Identification in Structures. Journal of Engineering Mechanics - ASCE, 1998, 124, 152-157.	1.6	182
39	Buckling analysis of FG-CNT reinforced composite thick skew plates using an element-free approach. Composites Part B: Engineering, 2015, 75, 36-46.	5.9	182
40	An overview of layerwise theories for composite laminates and structures: Development, numerical implementation and application. Composite Structures, 2019, 216, 240-259.	3.1	182
41	Graphitic carbon nitride/phosphorus-rich aluminum phosphinates hybrids as smoke suppressants and flame retardants for polystyrene. Journal of Hazardous Materials, 2017, 332, 87-96.	6.5	179
42	Highly Effective Pâ€“P Synergy of a Novel DOPO-Based Flame Retardant for Epoxy Resin. Industrial & Engineering Chemistry Research, 2017, 56, 1245-1255.	1.8	176
43	The recent progress of recycled steel fiber reinforced concrete. Construction and Building Materials, 2020, 232, 117232.	3.2	170
44	A novel strategy to simultaneously electrochemically prepare and functionalize graphene with a multifunctional flame retardant. Chemical Engineering Journal, 2017, 316, 514-524.	6.6	165
45	Vibration of Shallow Shells: A Review With Bibliography. Applied Mechanics Reviews, 1997, 50, 431-444.	4.5	164
46	Large deflection geometrically nonlinear analysis of carbon nanotube-reinforced functionally graded cylindrical panels. Computer Methods in Applied Mechanics and Engineering, 2014, 273, 1-18.	3.4	162
47	Free vibration analysis of conical shells via the element-free kp-Ritz method. Journal of Sound and Vibration, 2005, 281, 627-645.	2.1	157
48	Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems. International Journal for Numerical Methods in Engineering, 2006, 65, 1310-1332.	1.5	157
49	Harmonic reproducing kernel particle method for free vibration analysis of rotating cylindrical shells. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 4141-4157.	3.4	153
50	Geometrically nonlinear thermomechanical analysis of moderately thick functionally graded plates using a local Petrovâ€“Galerkin approach with moving Kriging interpolation. Composite Structures, 2014, 107, 298-314.	3.1	153
51	Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 3861-3885.	3.4	152
52	Vibration analysis of functionally graded carbon nanotube reinforced composite thick plates with elastically restrained edges. International Journal of Mechanical Sciences, 2015, 103, 9-21.	3.6	152
53	Transverse vibration of thick rectangular platesâ€”I. Comprehensive sets of boundary conditions. Computers and Structures, 1993, 49, 1-29.	2.4	150
54	Vibration characteristic of moderately thick functionally graded carbon nanotube reinforced composite skew plates. Composite Structures, 2015, 122, 172-183.	3.1	149

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55	Self-healable castor oil-based waterborne polyurethane/MXene film with outstanding electromagnetic interference shielding effectiveness and excellent shape memory performance. Journal of Colloid and Interface Science, 2021, 588, 164-174.	5.0	147
56	The recent progress of functionally graded CNT reinforced composites and structures. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	144
57	Free vibration and buckling analyses of shear-deformable plates based on FSDT meshfree method. Journal of Sound and Vibration, 2004, 276, 997-1017.	2.1	143
58	Effect of Cellulose Acetate Butyrate Microencapsulated Ammonium Polyphosphate on the Flame Retardancy, Mechanical, Electrical, and Thermal Properties of Intumescent Flame-Retardant Ethyleneâ€“Vinyl Acetate Copolymer/Microencapsulated Ammonium Polyphosphate/Polyamide-6 Blends. ACS Applied Materials & Interfaces, 2011, 3, 3754-3761.	4.0	143
59	Free vibration analysis of functionally graded conical shell panels by a meshless method. Composite Structures, 2011, 93, 649-664.	3.1	141
60	Large deflection analysis of functionally graded carbon nanotube-reinforced composite plates by the element-free kp-Ritz method. Computer Methods in Applied Mechanics and Engineering, 2013, 256, 189-199.	3.4	141
61	A continuum three-dimensional vibration analysis of thick rectangular plates. International Journal of Solids and Structures, 1993, 30, 3357-3379.	1.3	140
62	Postbuckling of carbon nanotube reinforced functionally graded plates with edges elastically restrained against translation and rotation under axial compression. Computer Methods in Applied Mechanics and Engineering, 2016, 298, 1-28.	3.4	139
63	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. International Journal of Solids and Structures, 2006, 43, 307-324.	1.3	138
64	Differential quadrature method for Mindlin plates on Winkler foundations. International Journal of Mechanical Sciences, 1996, 38, 405-421.	3.6	137
65	Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. International Journal of Solids and Structures, 2004, 41, 2235-2257.	1.3	136
66	A facile strategy to simultaneously exfoliate and functionalize boron nitride nanosheets via Lewis acid-base interaction. Chemical Engineering Journal, 2017, 330, 309-321.	6.6	135
67	Thermal stability of single and multi-walled carbon nanotubes. Physical Review B, 2005, 71, .	1.1	130
68	Formation of self-extinguishing flame retardant biobased coating on cotton fabrics via Layer-by-Layer assembly of chitin derivatives. Carbohydrate Polymers, 2015, 115, 516-524.	5.1	130
69	Nonlinear bending analysis of FG-CNT reinforced composite thick plates resting on Pasternak foundations using the element-free IMLS-Ritz method. Composite Structures, 2015, 128, 165-175.	3.1	129
70	Application of two-dimensional orthogonal plate function to flexural vibration of skew plates. Journal of Sound and Vibration, 1990, 139, 241-252.	2.1	128
71	SOLVING THE VIBRATION OF THICK SYMMETRIC LAMINATES BY REISSNER/MINDLIN PLATE THEORY AND THEp-RITZ METHOD. Journal of Sound and Vibration, 1996, 198, 343-360.	2.1	127
72	Thermomechanical postbuckling analysis of moderately thick functionally graded plates and shallow shells. International Journal of Mechanical Sciences, 2005, 47, 1147-1171.	3.6	126

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73	Thermoelastic analysis of functionally graded carbon nanotube-reinforced composite plate using theory of elasticity. Composite Structures, 2013, 106, 873-881.	3.1	126
74	Second-order statistics of the elastic buckling of functionally graded rectangular plates. Composites Science and Technology, 2005, 65, 1165-1175.	3.8	125
75	Non-linear dynamic stability of piezoelectric functionally graded carbon nanotube-reinforced composite plates with initial geometric imperfection. International Journal of Non-Linear Mechanics, 2014, 59, 37-51.	1.4	125
76	Analysis of laminated CNT reinforced functionally graded plates using the element-free kp-Ritz method. Composites Part B: Engineering, 2016, 84, 211-221.	5.9	125
77	Active control of FGM plates subjected to a temperature gradient: Modelling via finite element method based on FSDT. International Journal for Numerical Methods in Engineering, 2001, 52, 1253-1271.	1.5	124
78	Random vibration of the functionally graded laminates in thermal environments. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 1075-1095.	3.4	123
79	Energy harvesting from ocean waves by a floating energy harvester. Energy, 2016, 112, 1219-1226.	4.5	122
80	Effective utilization and recycling of mixed recycled aggregates for a greener environment. Journal of Cleaner Production, 2019, 236, 117600.	4.6	120
81	Vibration Of Thick Skew Plates Based On Mindlin Shear Deformation Plate Theory. Journal of Sound and Vibration, 1993, 168, 39-69.	2.1	119
82	Formation of Layer-by-Layer Assembled Titanate Nanotubes Filled Coating on Flexible Polyurethane Foam with Improved Flame Retardant and Smoke Suppression Properties. ACS Applied Materials & Interfaces, 2015, 7, 101-111.	4.0	119
83	Studies on Synthesis of Electrochemically Exfoliated Functionalized Graphene and Polylactic Acid/Ferric Phytate Functionalized Graphene Nanocomposites as New Fire Hazard Suppression Materials. ACS Applied Materials & Interfaces, 2016, 8, 25552-25562.	4.0	119
84	Buckling of thick skew plates. International Journal for Numerical Methods in Engineering, 1993, 36, 1299-1310.	1.5	113
85	The influence of zinc hydroxystannate on reducing toxic gases (CO, NO x and HCN) generation and fire hazards of thermoplastic polyurethane composites. Journal of Hazardous Materials, 2016, 314, 260-269.	6.5	113
86	Analyzing 2D fracture problems with the improved element-free Galerkin method. Engineering Analysis With Boundary Elements, 2008, 32, 241-250.	2.0	111
87	Thermoelastic and vibration analysis of functionally graded cylindrical shells. International Journal of Mechanical Sciences, 2009, 51, 694-707.	3.6	110
88	Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 839-850.	1.1	109
89	Axisymmetric free vibration of thick annular plates. International Journal of Mechanical Sciences, 1999, 41, 1089-1109.	3.6	108
90	pb-2 Rayleigh - Ritz method for general plate analysis. Engineering Structures, 1993, 15, 55-60.	2.6	107

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91	VIBRATION ANALYSIS OF CIRCULAR MINDLIN PLATES USING THE DIFFERENTIAL QUADRATURE METHOD. Journal of Sound and Vibration, 1997, 205, 617-630.	2.1	107
92	Computation of aerothermoelastic properties and active flutter control of CNT reinforced functionally graded composite panels in supersonic airflow. Computer Methods in Applied Mechanics and Engineering, 2016, 300, 427-441.	3.4	106
93	Polydopamine-bridged synthesis of ternary h-BN@PDA@SnO2 as nanoenhancers for flame retardant and smoke suppression of epoxy composites. Composites Part A: Applied Science and Manufacturing, 2018, 111, 94-105.	3.8	106
94	Natural antioxidant functionalization for fabricating ambient-stable black phosphorus nanosheets toward enhancing flame retardancy and toxic gases suppression of polyurethane. Journal of Hazardous Materials, 2020, 387, 121971.	6.5	106
95	Stochastic analysis of compositionally graded plates with system randomness under static loading. International Journal of Mechanical Sciences, 2005, 47, 1519-1541.	3.6	105
96	Vibration analysis of CNT-reinforced functionally graded composite cylindrical shells in thermal environments. International Journal of Mechanical Sciences, 2016, 115-116, 339-347.	3.6	104
97	Design of artificial nacre-like hybrid films as shielding to mitigate electromagnetic pollution. Carbon, 2014, 75, 178-189.	5.4	103
98	An element-free IMLS-Ritz framework for buckling analysis of FGâ€“CNT reinforced composite thick plates resting on Winkler foundations. Engineering Analysis With Boundary Elements, 2015, 58, 7-17.	2.0	103
99	Large-scale production of simultaneously exfoliated and Functionalized Mxenes as promising flame retardant for polyurethane. Composites Part B: Engineering, 2019, 179, 107486.	5.9	103
100	Mesh-free radial basis function method for buckling analysis of non-uniformly loaded arbitrarily shaped shear deformable plates. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 205-224.	3.4	102
101	Nonlinear vibration of a coating-FGM-substrate cylindrical panel subjected to a temperature gradient. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 1007-1026.	3.4	102
102	Geometrically nonlinear analysis of functionally graded shells. International Journal of Mechanical Sciences, 2009, 51, 131-144.	3.6	102
103	State-space Levy method for vibration analysis of FG-CNT composite plates subjected to in-plane loads based on higher-order shear deformation theory. Composite Structures, 2015, 134, 989-1003.	3.1	102
104	Computation of vibration solution for functionally graded carbon nanotube-reinforced composite thick plates resting on elastic foundations using the element-free IMLS-Ritz method. Applied Mathematics and Computation, 2015, 256, 488-504.	1.4	100
105	Experimental study on characteristics of pedestrian evacuation on stairs in a high-rise building. Safety Science, 2016, 86, 165-173.	2.6	100
106	Analysis of wave propagation in carbon nanotubes via elastic shell theories. International Journal of Engineering Science, 2007, 45, 227-241.	2.7	99
107	Large deflection analysis of FG-CNT reinforced composite skew plates resting on Pasternak foundations using an element-free approach. Composite Structures, 2015, 132, 974-983.	3.1	99
108	Meshfree method for large deformation analysisâ€“a reproducing kernel particle approach. Engineering Structures, 2002, 24, 543-551.	2.6	98

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109	The improved element-free Galerkin method for two-dimensional elastodynamics problems. Engineering Analysis With Boundary Elements, 2013, 37, 1576-1584.	2.0	98
110	Free vibration analysis of rectangular plates using orthogonal plate function. Computers and Structures, 1990, 34, 79-85.	2.4	97
111	Geometrically nonlinear analysis of functionally graded plates using the element-free kp-Ritz method. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 2796-2811.	3.4	97
112	The improved element-free Galerkin method for three-dimensional wave equation. Acta Mechanica Sinica/Lixue Xuebao, 2012, 28, 808-818.	1.5	97
113	Nacre-Inspired Tunable Electromagnetic Interference Shielding Sandwich Films with Superior Mechanical and Fire-Resistant Protective Performance. ACS Applied Materials & Interfaces, 2020, 12, 6371-6382.	4.0	97
114	Functionalizing Ti3C2Tx for enhancing fire resistance and reducing toxic gases of flexible polyurethane foam composites with reinforced mechanical properties. Journal of Colloid and Interface Science, 2022, 607, 1300-1312.	5.0	97
115	Molecular mechanics modeling of carbon nanotube fracture. Carbon, 2007, 45, 1769-1776.	5.4	96
116	The buckling of single-walled carbon nanotubes upon bending: The higher order gradient continuum and mesh-free method. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3001-3013.	3.4	96
117	A pb-2 Ritz Formulation for Flexural Vibration of Shallow Cylindrical Shells of Rectangular Planform. Journal of Sound and Vibration, 1994, 173, 343-375.	2.1	95
118	A solution method for analysis of cracked plates under vibration. Engineering Fracture Mechanics, 1994, 48, 393-404.	2.0	94
119	Buckling and free vibration analyses of stiffened plates using the FSDT mesh-free method. Journal of Sound and Vibration, 2006, 289, 421-449.	2.1	94
120	Mechanical and damping properties of CNT-reinforced cementitious composites. Composite Structures, 2017, 160, 81-88.	3.1	94
121	Boundary element-free method (BEFM) for two-dimensional elastodynamic analysis using Laplace transform. International Journal for Numerical Methods in Engineering, 2005, 64, 1610-1627.	1.5	93
122	Analysis of stiffened corrugated plates based on the FSDT via the mesh-free method. International Journal of Mechanical Sciences, 2007, 49, 364-378.	3.6	93
123	Modeling of dynamic responses of CNT-reinforced composite cylindrical shells under impact loads. Computer Methods in Applied Mechanics and Engineering, 2017, 313, 889-903.	3.4	93
124	Active control of FGM shells subjected to a temperature gradient via piezoelectric sensor/actuator patches. International Journal for Numerical Methods in Engineering, 2002, 55, 653-668.	1.5	92
125	Moving least squares differential quadrature method and its application to the analysis of shear deformable plates. International Journal for Numerical Methods in Engineering, 2003, 56, 2331-2351.	1.5	92
126	Free vibration analysis of moderately thick functionally graded plates by local Kriging meshless method. Composite Structures, 2011, 93, 2925-2944.	3.1	92

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127	An improved element-free Galerkin method for numerical modeling of the biological population problems. Engineering Analysis With Boundary Elements, 2014, 40, 181-188.	2.0	92
128	Postbuckling analysis of axially compressed CNT reinforced functionally graded composite plates resting on Pasternak foundations using an element-free approach. Composite Structures, 2016, 138, 40-51.	3.1	92
129	A Power Series Solution For Vibration Of A Rotating Timoshenko Beam. Journal of Sound and Vibration, 1994, 175, 505-523.	2.1	91
130	A novel unsymmetric 8-node plane element immune to mesh distortion under a quadratic displacement field. International Journal for Numerical Methods in Engineering, 2003, 58, 1713-1748.	1.5	91
131	Multifunctional fireproof electromagnetic shielding polyurethane films with thermal management performance. Chemical Engineering Journal, 2022, 439, 135673.	6.6	91
132	Analysis of laminated composite beams and plates with piezoelectric patches using the element-free Galerkin method. Computational Mechanics, 2002, 29, 486-497.	2.2	90
133	Non-linear analysis of the thermo-electro-mechanical behaviour of shear deformable FGM plates with piezoelectric actuators. International Journal for Numerical Methods in Engineering, 2004, 59, 1605-1632.	1.5	90
134	Modeling of van der Waals force for infinitesimal deformation of multi-walled carbon nanotubes treated as cylindrical shells. International Journal of Solids and Structures, 2005, 42, 6032-6047.	1.3	90
135	Geometrically nonlinear large deformation analysis of functionally graded carbon nanotube reinforced composite straight-sided quadrilateral plates. Computer Methods in Applied Mechanics and Engineering, 2015, 295, 219-239.	3.4	90
136	Assessing recycling potential of carbon fiber reinforced plastic waste in production of eco-efficient cement-based materials. Journal of Cleaner Production, 2020, 274, 123001.	4.6	90
137	Analysis of rectangular laminated composite plates via FSDT meshless method. International Journal of Mechanical Sciences, 2002, 44, 1275-1293.	3.6	89
138	Finite element method for the feedback control of FGM shells in the frequency domain via piezoelectric sensors and actuators. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 257-273.	3.4	88
139	Tensile and compressive properties of carbon nanotube bundles. Acta Materialia, 2006, 54, 225-231.	3.8	88
140	Cyclodextrin microencapsulated ammonium polyphosphate: Preparation and its performance on the thermal, flame retardancy and mechanical properties of ethylene vinyl acetate copolymer. Composites Part B: Engineering, 2015, 69, 22-30.	5.9	87
141	Optimal shape control of CNT reinforced functionally graded composite plates using piezoelectric patches. Composites Part B: Engineering, 2016, 85, 140-149.	5.9	87
142	Atomistic calculation of elastic moduli in strained silicon. Semiconductor Science and Technology, 2006, 21, 906-911.	1.0	85
143	Free vibration analysis of fluid-conveying single-walled carbon nanotubes. Applied Physics Letters, 2007, 90, 133122.	1.5	85
144	Large amplitude vibration of fractionally damped viscoelastic CNTs/fiber/polymer multiscale composite beams. Composite Structures, 2015, 131, 1111-1123.	3.1	85

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145	Fabrication of LDH nanosheets on Î²-FeOOH rods and applications for improving the fire safety of epoxy resin. Composites Part A: Applied Science and Manufacturing, 2016, 80, 259-269.	3.8	85
146	Graphene and graphene oxide in calcium silicate hydrates: Chemical reactions, mechanical behavior and interfacial sliding. Carbon, 2019, 146, 181-193.	5.4	85
147	Silicon Carbide Nanotubes Serving as a Highly Sensitive Gas Chemical Sensor for Formaldehyde. Journal of Physical Chemistry C, 2011, 115, 10388-10393.	1.5	84
148	The improved element-free Galerkin method for three-dimensional transient heat conduction problems. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1568-1580.	2.0	84
149	Elastodynamic analysis of carbon nanotube-reinforced functionally graded plates. International Journal of Mechanical Sciences, 2015, 99, 208-217.	3.6	84
150	Boron/phosphorus doping for retarding the oxidation of reduced graphene oxide. Carbon, 2016, 101, 152-158.	5.4	83
151	Co-precipitation synthesis of reduced graphene oxide/NiAl-layered double hydroxide hybrid and its application in flame retarding poly(methyl methacrylate). Materials Research Bulletin, 2014, 49, 657-664.	2.7	82
152	Buckling analysis of CNT reinforced functionally graded laminated composite plates. Composite Structures, 2016, 152, 62-73.	3.1	81
153	DIFFERENTIAL QUADRATURE METHOD FOR VIBRATION ANALYSIS OF SHEAR DEFORMABLE ANNULAR SECTOR PLATES. Journal of Sound and Vibration, 2000, 230, 335-356.	2.1	80
154	Buckling of rectangular functionally graded material plates subjected to nonlinearly distributed in-plane edge loads. Smart Materials and Structures, 2004, 13, 1430-1437.	1.8	80
155	Nonlinear analysis of corrugated plates using a FSDT and a meshfree method. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 2358-2376.	3.4	80
156	Active vibration control of functionally graded graphene nanoplatelets reinforced composite plates integrated with piezoelectric layers. Thin-Walled Structures, 2019, 145, 106372.	2.7	80
157	Buckling properties of carbon nanotube bundles. Applied Physics Letters, 2005, 87, 041901.	1.5	79
158	Complex variable moving least-squares method: a meshless approximation technique. International Journal for Numerical Methods in Engineering, 2007, 70, 46-70.	1.5	79
159	Vibration of pretwisted cantilever shallow conical shells. International Journal of Solids and Structures, 1994, 31, 2463-2476.	1.3	78
160	Finite element piezothermoelasticity analysis and the active control of FGM plates with integrated piezoelectric sensors and actuators. Computational Mechanics, 2003, 31, 350-358.	2.2	78
161	Wave propagation in graphene sheets with nonlocal elastic theory via finite element formulation. Computer Methods in Applied Mechanics and Engineering, 2012, 223-224, 1-9.	3.4	78
162	Vibration analysis of CNT reinforced functionally graded composite plates in a thermal environment based on Reddyâ€™s higher-order shear deformation theory. Composite Structures, 2016, 156, 276-290.	3.1	78

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163	Differential quadrature method for thick symmetric cross-ply laminates with first-order shear flexibility. International Journal of Solids and Structures, 1996, 33, 2647-2658.	1.3	77
164	THREE-DIMENSIONAL VIBRATION ANALYSIS OF RECTANGULAR PLATES BASED ON DIFFERENTIAL QUADRATURE METHOD. Journal of Sound and Vibration, 1999, 220, 577-599.	2.1	77
165	A FEM model for the active control of curved FGM shells using piezoelectric sensor/actuator layers. International Journal for Numerical Methods in Engineering, 2002, 54, 853-870.	1.5	77
166	Highly Efficient MXene-Coated Flame Retardant Cotton Fabric for Electromagnetic Interference Shielding. Industrial & Engineering Chemistry Research, 2020, 59, 14025-14036.	1.8	77
167	Transverse vibration of symmetrically laminated rectangular composite plates. Composite Structures, 1992, 20, 213-226.	3.1	76
168	First-Principles Study of Formaldehyde Adsorption on TiO₂ Rutile (110) and Anatase (001) Surfaces. Journal of Physical Chemistry C, 2012, 116, 8044-8053.	1.5	76
169	Bending and buckling of thick symmetric rectangular laminates using the moving least-squares differential quadrature method. International Journal of Mechanical Sciences, 2003, 45, 95-114.	3.6	74
170	Synthesis of a novel liquid phosphorus-containing flame retardant for flexible polyurethane foam: Combustion behaviors and thermal properties. Polymer Degradation and Stability, 2020, 171, 109029.	2.7	74
171	Free vibration analysis of triangular CNT-reinforced composite plates subjected to in-plane stresses using FSDT element-free method. Composite Structures, 2016, 149, 247-260.	3.1	73
172	Vibrations of rotating cross-ply laminated circular cylindrical shells with stringer and ring stiffeners. International Journal of Solids and Structures, 2002, 39, 529-545.	1.3	72
173	Synthesis of MnO 2 nanoparticles with different morphologies and application for improving the fire safety of epoxy. Composites Part A: Applied Science and Manufacturing, 2017, 95, 173-182.	3.8	72
174	A FOUR-NODE DIFFERENTIAL QUADRATURE METHOD FOR STRAIGHT-SIDED QUADRILATERAL REISSNER/MINDLIN PLATES. Communications in Numerical Methods in Engineering, 1997, 13, 73-81.	1.3	71
175	Numerical differential quadrature method for Reissner/Mindlin plates on two-parameter foundations. International Journal of Mechanical Sciences, 1997, 39, 977-989.	3.6	71
176	Thermomechanical postbuckling analysis of functionally graded plates and shallow cylindrical shells. Acta Mechanica, 2003, 165, 99-115.	1.1	71
177	Thermoelastic analysis of functionally graded plates using the element-free kp-Ritz method. Smart Materials and Structures, 2009, 18, 035007.	1.8	71
178	An improved moving least-squares Ritz method for two-dimensional elasticity problems. Applied Mathematics and Computation, 2014, 246, 268-282.	1.4	71
179	An element-free computational framework for elastodynamic problems based on the IMLS-Ritz method. Engineering Analysis With Boundary Elements, 2015, 54, 39-46.	2.0	71
180	Dynamic stability of laminated FGM plates based on higher-order shear deformation theory. Computational Mechanics, 2004, 33, 305-315.	2.2	70

#	Article	IF	Citations
181	Helical Encapsulation of Graphene Nanoribbon into Carbon Nanotube. ACS Nano, 2011, 5, 2126-2133.	7.3	70
182	Active vibration control of FGM plates with piezoelectric layers based on Reddyâ€™s higher-order shear deformation theory. Composite Structures, 2016, 155, 118-134.	3.1	70
183	A 3D flexible and robust HAPs/PVA separator prepared by a freezing-drying method for safe lithium metal batteries. Journal of Materials Chemistry A, 2019, 7, 6859-6868.	5.2	70
184	A Rayleigh-Ritz approach to transverse vibration of isotropic and anisotropic trapezoidal plates using orthogonal plate functions. International Journal of Solids and Structures, 1991, 27, 189-203.	1.3	69
185	Vibration of mindlin plates using boundary characteristic orthogonal polynomials. Journal of Sound and Vibration, 1995, 182, 77-90.	2.1	69
186	Effects of FGM materials on the parametric resonance of plate structures. Computer Methods in Applied Mechanics and Engineering, 2000, 190, 953-962.	3.4	69
187	Imperfection sensitivity of the post-buckling behavior of higher-order shear deformable functionally graded plates. International Journal of Solids and Structures, 2006, 43, 5247-5266.	1.3	69
188	Comparative accuracy of DQ and HDQ methods for three-dimensional vibration analysis of rectangular plates. International Journal for Numerical Methods in Engineering, 1999, 45, 1831-1848.	1.5	68
189	Buckling of rectangular Mindlin plates subjected to partial in-plane edge loads using the radial point interpolation method. International Journal of Solids and Structures, 2004, 41, 1677-1695.	1.3	68
190	Inelastic buckling of carbon nanotubes. Applied Physics Letters, 2007, 90, 033110.	1.5	68
191	Free vibration analysis of sandwich cylindrical panel with functionally graded core using three-dimensional theory of elasticity. Composite Structures, 2014, 113, 23-30.	3.1	68
192	Integrated effect of supramolecular self-assembled sandwich-like melamine cyanurate/MoS2 hybrid sheets on reducing fire hazards of polyamide 6 composites. Journal of Hazardous Materials, 2016, 320, 252-264.	6.5	68
193	Buckling of rectangular mindlin plates with internal line supports. International Journal of Solids and Structures, 1993, 30, 1-17.	1.3	67
194	Three-dimensional vibration of rectangular plates: Effects of thickness and edge constraints. Journal of Sound and Vibration, 1995, 182, 709-727.	2.1	67
195	Analytical buckling solutions for mindlin plates involving free edges. International Journal of Mechanical Sciences, 1996, 38, 1127-1138.	3.6	67
196	State of hydrogen molecules confined in C60 fullerene and carbon nanocapsule structures. Carbon, 2006, 44, 397-406.	5.4	67
197	One-pot synthesis of a novel s-triazine-based hyperbranched charring foaming agent and its enhancement on flame retardancy and water resistance of polypropylene. Polymer Degradation and Stability, 2014, 110, 165-174.	2.7	67
198	TiO2 loaded on graphene nanosheet as reinforcer and its effect on the thermal behaviors of poly(vinyl chloride) composites. Chemical Engineering Journal, 2015, 260, 524-531.	6.6	67

#	Article	IF	Citations
199	Engineering carbon nanotubes wrapped ammonium polyphosphate for enhancing mechanical and flame retardant properties of poly(butylene succinate). Composites Part A: Applied Science and Manufacturing, 2018, 115, 215-227.	3.8	67
200	Removal of low concentration CO2 at ambient temperature using several potassium-based sorbents. Applied Energy, 2014, 124, 241-247.	5.1	66
201	Postbuckling analysis of bi-axially compressed laminated nanocomposite plates using the first-order shear deformation theory. Composite Structures, 2016, 152, 418-431.	3.1	66
202	Vibration analysis of corrugated Reissnerâ€“Mindlin plates using a mesh-free Galerkin method. International Journal of Mechanical Sciences, 2009, 51, 642-652.	3.6	65
203	Complex variable boundary element-free method for two-dimensional elastodynamic problems. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 3925-3933.	3.4	65
204	Postbuckling responses of functionally graded cylindrical shells under axial compression and thermal loads. Composites Part B: Engineering, 2012, 43, 1621-1630.	5.9	65
205	Silicon nanoparticle decorated graphene composites: preparation and their reinforcement on the fire safety and mechanical properties of polyurea. Journal of Materials Chemistry A, 2013, 1, 9827.	5.2	65
206	MODELING AND STRESS ANALYSIS OF SMART CNTs/FIBER/POLYMER MULTISCALE COMPOSITE PLATES. International Journal of Applied Mechanics, 2014, 06, 1450025.	1.3	65
207	Vibration analysis of CNT-reinforced functionally graded rotating cylindrical panels using the element-free kp-Ritz method. Composites Part B: Engineering, 2015, 77, 291-303.	5.9	65
208	Correlation analysis of sample thickness, heat flux, and cone calorimetry test data of polystyrene foam. Journal of Thermal Analysis and Calorimetry, 2015, 119, 229-238.	2.0	65
209	A higher order theory for vibration of shear deformable cylindrical shallow shells. International Journal of Mechanical Sciences, 1995, 37, 277-295.	3.6	64
210	A Higher-Order Theory for Vibration of Doubly Curved Shallow Shells. Journal of Applied Mechanics, Transactions ASME, 1996, 63, 587-593.	1.1	64
211	Three-dimensional elasticity solutions for free vibrations of circular plates: A polynomials-Ritz analysis. Computer Methods in Applied Mechanics and Engineering, 1999, 175, 189-201.	3.4	64
212	Flexural Wave Propagation in Single-Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2008, 5, 581-586.	0.4	64
213	Effects of vacancy defect reconstruction on the elastic properties of carbon nanotubes. Carbon, 2009, 47, 1526-1533.	5.4	64
214	Data-driven machine learning approach for exploring and assessing mechanical properties of carbon nanotube-reinforced cement composites. Composite Structures, 2021, 267, 113917.	3.1	64
215	Differential quadrature element method: a new approach for free vibration analysis of polar Mindlin plates having discontinuities. Computer Methods in Applied Mechanics and Engineering, 1999, 179, 407-423.	3.4	63
216	Buckling analysis of corrugated plates using a mesh-free Galerkin method based on the first-order shear deformation theory. Computational Mechanics, 2006, 38, 61-75.	2.2	63

#	Article	IF	Citations
217	Coupling of the improved element-free Galerkin and boundary element methods for two-dimensional elasticity problems. Engineering Analysis With Boundary Elements, 2008, 32, 100-107.	2.0	63
218	Buckling and vibration analysis of isotropic and laminated plates by radial basis functions. Composites Part B: Engineering, 2011, 42, 592-606.	5.9	63
219	Active vibration control of CNT reinforced functionally graded plates based on a higher-order shear deformation theory. International Journal of Mechanical Sciences, 2016, 105, 90-101.	3.6	63
220	An eight-node curvilinear differential quadrature formulation for Reissner/Mindlin plates. Computer Methods in Applied Mechanics and Engineering, 1997, 141, 265-280.	3.4	62
221	Modeling via differential quadrature method: Three-dimensional solutions for rectangular plates. Computer Methods in Applied Mechanics and Engineering, 1998, 159, 369-381.	3.4	62
222	Three-dimensional static solutions of rectangular plates by variant differential quadrature method. International Journal of Mechanical Sciences, 2001, 43, 1611-1628.	3.6	62
223	Three-dimensional vibration analysis of spherical shell panels subjected to different boundary conditions. International Journal of Mechanical Sciences, 2002, 44, 2103-2117.	3.6	62
224	A meshfree Hermite-type radial point interpolation method for Kirchhoff plate problems. International Journal for Numerical Methods in Engineering, 2006, 66, 1153-1178.	1.5	62
225	Mechanical properties of carbon nanocones. Applied Physics Letters, 2007, 91, .	1.5	62
226	Improved element-free Galerkin method for two-dimensional potential problems. Engineering Analysis With Boundary Elements, 2009, 33, 547-554.	2.0	62
227	Elasticity Solution of Free Vibration and Bending Behavior of Functionally Graded Carbon Nanotube-Reinforced Composite Beam with Thin Piezoelectric Layers Using Differential Quadrature Method. International Journal of Applied Mechanics, 2015, 07, 1550002.	1.3	62
228	Elasto-plasticity revisited: numerical analysis via reproducing kernel particle method and parametric quadratic programming. International Journal for Numerical Methods in Engineering, 2002, 55, 669-683.	1.5	61
229	Buckling of FG-CNT reinforced composite thick skew plates resting on Pasternak foundations based on an element-free approach. Applied Mathematics and Computation, 2015, 266, 773-791.	1.4	61
230	Active vibration control of CNT-reinforced composite cylindrical shells via piezoelectric patches. Composite Structures, 2016, 158, 92-100.	3.1	61
231	Vibration analysis of quadrilateral graphene sheets subjected to an in-plane magnetic field based on nonlocal elasticity theory. Composites Part B: Engineering, 2017, 118, 96-103.	5.9	61
232	Mechanical properties of diamond nanothread reinforced polymer composites. Carbon, 2018, 132, 232-240.	5.4	61
233	Enhanced flame retardancy of polypropylene by melamine-modified graphene oxide. Journal of Materials Science, 2015, 50, 5389-5401.	1.7	60
234	Buckling and Vibration of Thick Laminates on Pasternak Foundations. Journal of Engineering Mechanics - ASCE, 1996, 122, 54-63.	1.6	59

#	Article	IF	Citations
235	ANALYSIS OF VIBRATING THICK RECTANGULAR PLATES WITH MIXED BOUNDARY CONSTRAINTS USING DIFFERENTIAL QUADRATURE ELEMENT METHOD. Journal of Sound and Vibration, 1999, 225, 915-934.	2.1	59
236	Vibration analysis of laminated composite cylindrical panels via a meshfree approach. International Journal of Solids and Structures, 2003, 40, 161-180.	1.3	59
237	Fracture Properties of Defective Carbon Nanorings. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1-7.	0.4	59
238	Facile preparation of graphene supported Co3O4 and NiO for reducing fire hazards of polyamide 6 composites. Materials Chemistry and Physics, 2013, 142, 531-538.	2.0	59
239	Synthesis and characterization of MnO2 nanosheets based multilayer coating and applications as a flame retardant for flexible polyurethane foam. Composites Science and Technology, 2016, 123, 212-221.	3.8	59
240	Preparation of Large-Size Reduced Graphene Oxide-Wrapped Ammonium Polyphosphate and Its Enhancement of the Mechanical and Flame Retardant Properties of Thermoplastic Polyurethane. Industrial & Engineering Chemistry Research, 2017, 56, 7468-7477.	1.8	59
241	The improvement of fire safety performance of flexible polyurethane foam by Highly-efficient P-N-S elemental hybrid synergistic flame retardant. Journal of Colloid and Interface Science, 2022, 606, 768-783.	5.0	59
242	Buckling of Skew Plates and Corner Condition for Simply Supported Edges. Journal of Engineering Mechanics - ASCE, 1992, 118, 651-662.	1.6	58
243	Vibratory behaviour of shallow conical shells by a global Ritz formulation. Engineering Structures, 1995, 17, 63-70.	2.6	58
244	Free Vibration Studies on Stress-Free Three-Dimensional Elastic Solids. Journal of Applied Mechanics, Transactions ASME, 1995, 62, 159-165.	1.1	58
245	High-Performance Poly(ethylene oxide)/Molybdenum Disulfide Nanocomposite Films: Reinforcement of Properties Based on the Gradient Interface Effect. ACS Applied Materials & Interfaces, 2015, 7, 13164-13173.	4.0	58
246	Microstructure and mechanical performance of graphene reinforced cementitious composites. Composites Part A: Applied Science and Manufacturing, 2018, 114, 188-195.	3.8	58
247	An operable platform towards functionalization of chemically inert boron nitride nanosheets for flame retardancy and toxic gas suppression of thermoplastic polyurethane. Composites Part B: Engineering, 2019, 178, 107462.	5.9	58
248	Modeling microfracture evolution in heterogeneous composites: A coupled cohesive phase-field model. Journal of the Mechanics and Physics of Solids, 2020, 142, 103968.	2.3	58
249	Meshless method for modeling of human proximal femur: treatment of nonconvex boundaries and stress analysis. Computational Mechanics, 2002, 28, 390-400.	2.2	57
250	The effect of van der Waals interaction modeling on the vibration characteristics of multiwalled carbon nanotubes. Journal of Applied Physics, 2006, 100, 124317.	1.1	57
251	Analyzing three-dimensional potential problems with the improved element-free Galerkin method. Computational Mechanics, 2009, 44, 273-284.	2.2	57
252	Analysis of the free vibration of rectangular plates with central cut-outs using the discrete Ritz method. International Journal of Mechanical Sciences, 2003, 45, 941-959.	3.6	56

#	Article	IF	Citations
253	Elastodynamic analysis of quadrilateral CNT-reinforced functionally graded composite plates using FSDT element-free method. Composite Structures, 2016, 148, 144-154.	3.1	56
254	Utilizing recycled aggregate concrete in sustainable construction for a required compressive strength ratio. Journal of Cleaner Production, 2020, 276, 124249.	4.6	56
255	Multicriteria performance evaluation of fiber-reinforced cement composites: An environmental perspective. Composites Part B: Engineering, 2021, 218, 108937.	5.9	56
256	Generalized Differential Quadrature Method for Buckling Analysis. Journal of Engineering Mechanics - ASCE, 1996, 122, 95-100.	1.6	55
257	Free vibration analysis of Mindlin sector plates: Numerical solutions by differential quadrature method. Computer Methods in Applied Mechanics and Engineering, 1999, 177, 77-92.	3.4	55
258	Elastic properties and pressure-induced structural transitions of single-walled carbon nanotubes. Physical Review B, 2008, 77, .	1.1	55
259	A local Petrov-Galerkin approach with moving Kriging interpolation for solving transient heat conduction problems. Computational Mechanics, 2011, 47, 455-467.	2.2	55
260	Layer-by-layer assembled thin films based on fully biobased polysaccharides: chitosan and phosphorylated cellulose for flame-retardant cotton fabric. Cellulose, 2014, 21, 2995-3006.	2.4	55
261	An element-free IMLS-Ritz method for numerical solution of three-dimensional wave equations. Computer Methods in Applied Mechanics and Engineering, 2015, 297, 116-139.	3.4	55
262	Geometrically nonlinear large deformation analysis of triangular CNT-reinforced composite plates. International Journal of Non-Linear Mechanics, 2016, 86, 122-132.	1.4	55
263	Vibration and Buckling of Super Elliptical Plates. Journal of Sound and Vibration, 1994, 171, 301-314.	2.1	54
264	Bending Analysis of Simply Supported Shear Deformable Skew Plates. Journal of Engineering Mechanics - ASCE, 1997, 123, 214-221.	1.6	54
265	Static Analysis of Reissner-Mindlin Plates by Differential Quadrature Element Method. Journal of Applied Mechanics, Transactions ASME, 1998, 65, 705-710.	1.1	54
266	Finite element modeling of active control of functionally graded shells in frequency domain via piezoelectric sensors and actuators. Computational Mechanics, 2002, 28, 1-9.	2.2	54
267	A boundary element-free method (BEFM) for three-dimensional elasticity problems. Computational Mechanics, 2005, 36, 13-20.	2.2	54
268	Analyzing the 2D fracture problems via the enriched boundary element-free method. International Journal of Solids and Structures, 2007, 44, 4220-4233.	1.3	54
269	Application of the higherâ€order Cauchyâ€“Born rule in meshâ€free continuum and multiscale simulation of carbon nanotubes. International Journal for Numerical Methods in Engineering, 2008, 75, 1238-1258.	1.5	54
270	Dynamic responses of CNT reinforced composite plates subjected to impact loading. Composites Part B: Engineering, 2016, 99, 154-161.	5.9	54

#	Article	IF	Citations
271	Carbon nanotube-geopolymer nanocomposites: A molecular dynamics study of the influence of interfacial chemical bonding upon the structural and mechanical properties. Carbon, 2020, 161, 772-783.	5.4	54
272	VIBRATION ANALYSIS OF RECTANGULAR MINDLIN PLATES RESTING ON ELASTIC EDGE SUPPORTS. Journal of Sound and Vibration, 1997, 204, 1-16.	2.1	53
273	Nonlinear analysis of laminated composite plates using the mesh-free kp-Ritz method based on FSDT. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 4763-4779.	3.4	53
274	The reproducing kernel particle method for two-dimensional unsteady heat conduction problems. Computational Mechanics, 2009, 45, 1-10.	2.2	53
275	Evaluation of microstructure and mechanical performance of CNT-reinforced cementitious composites at elevated temperatures. Composites Part A: Applied Science and Manufacturing, 2017, 95, 286-293.	3.8	53
276	Inspired by placoid scale to fabricate MXene derivative biomimetic structure on the improvement of interfacial compatibility, mechanical property, and fire safety of epoxy nanocomposites. Chemical Engineering Journal, 2022, 431, 133489.	6.6	53
277	Vibratory Characteristics of Cantilevered Rectangular Shallow Shells of Variable Thickness. AIAA Journal, 1994, 32, 387-396.	1.5	52
278	Dynamic stability of rotating cylindrical shells subjected to periodic axial loads. International Journal of Solids and Structures, 2006, 43, 7553-7570.	1.3	52
279	The element-free -Ritz method for free vibration analysis of conical shell panels. Journal of Sound and Vibration, 2006, 295, 906-922.	2.1	52
280	An improved complex variable element-free Galerkin method for two-dimensional large deformation elastoplasticity problems. Computer Methods in Applied Mechanics and Engineering, 2014, 269, 72-86.	3.4	52
281	Elasticity solutions for free vibrations of annular plates from three-dimensional analysis. International Journal of Solids and Structures, 2000, 37, 7689-7702.	1.3	51
282	On the repair of a cracked beam with a piezoelectric patch. Smart Materials and Structures, 2002, 11, 404-410.	1.8	51
283	Free vibration of two-side simply-supported laminated cylindrical panels via the mesh-free kp-Ritz method. International Journal of Mechanical Sciences, 2004, 46, 123-142.	3.6	51
284	Mesh-free radial point interpolation method for the buckling analysis of Mindlin plates subjected to in-plane point loads. International Journal for Numerical Methods in Engineering, 2004, 60, 1861-1877.	1.5	51
285	EQUIVALENT CONTINUUM MODELING OF GRAPHENE SHEETS. International Journal of Nanoscience, 2005, 04, 631-636.	0.4	51
286	Synergistic Effect of Layer-by-Layer Assembled Thin Films Based on Clay and Carbon Nanotubes To Reduce the Flammability of Flexible Polyurethane Foam. Industrial & Engineering Chemistry Research, 2014, 53, 14315-14321.	1.8	51
287	Active vibration control of CNT-reinforced composite plates with piezoelectric layers based on Reddyâ€™s higher-order shear deformation theory. Composite Structures, 2017, 163, 350-364.	3.1	51
288	Use of two-dimensional orthogonal polynomials for vibration analysis of circular and elliptical plates. Journal of Sound and Vibration, 1992, 154, 261-269.	2.1	50

#	Article	IF	Citations
289	Buckling solutions for Mindlin plates of various shapes. Engineering Structures, 1994, 16, 119-127.	2.6	50
290	The structures and electrical transport properties of germanium nanowires encapsulated in carbon nanotubes. Journal of Applied Physics, 2007, 102, 073709.	1.1	50
291	Preparation and Characterization of Flame-Retardant Aluminum Hypophosphite/Poly(Vinyl Alcohol) Composite. Industrial & Engineering Chemistry Research, 2012, 51, 14065-14075.	1.8	50
292	Nonlinear free vibration, postbuckling and nonlinear static deflection of piezoelectric fiber-reinforced laminated composite beams. Composites Part B: Engineering, 2014, 59, 123-132.	5.9	50
293	An element-free analysis of CNT-reinforced composite plates with column supports and elastically restrained edges under large deformation. Composites Part B: Engineering, 2016, 95, 18-28.	5.9	50
294	Synergistic effect of graphitic carbon nitride and ammonium polyphosphate for enhanced thermal and flame retardant properties of polystyrene. Materials Chemistry and Physics, 2016, 177, 283-292.	2.0	50
295	Modeling of nonlinear vibration of graphene sheets using a meshfree method based on nonlocal elasticity theory. Applied Mathematical Modelling, 2017, 49, 691-704.	2.2	50
296	Formulation of Mindlin-Engesser model for stiffened plate vibration. Computer Methods in Applied Mechanics and Engineering, 1995, 120, 339-353.	3.4	49
297	A mesh-free method for analysis of the thermal and mechanical buckling of functionally graded cylindrical shell panels. Computational Mechanics, 2010, 45, 297-310.	2.2	49
298	Functionalization of multi-walled carbon nanotubes grafted with self-generated functional groups and their polyamide 6 composites. Carbon, 2010, 48, 721-729.	5.4	49
299	Electron Beam Irradiation Cross Linking of Halogen-Free Flame-Retardant Ethylene Vinyl Acetate (EVA) Copolymer by Silica Gel Microencapsulated Ammonium Polyphosphate and Char-Forming Agent. Industrial & Engineering Chemistry Research, 2011, 50, 5596-5605.	1.8	49
300	Sandwichlike Coating Consisting of Alternating Montmorillonite and Î²-FeOOH for Reducing the Fire Hazard of Flexible Polyurethane Foam. ACS Sustainable Chemistry and Engineering, 2015, 3, 3214-3223.	3.2	49
301	Electrical conductive and graphitizable polymer nanofibers grafted on graphene nanosheets: Improving electrical conductivity and flame retardancy of polypropylene. Composites Part A: Applied Science and Manufacturing, 2016, 84, 76-86.	3.8	49
302	Sustainable CFRP-reinforced recycled concrete for cleaner eco-friendly construction. Journal of Cleaner Production, 2019, 233, 56-75.	4.6	49
303	Vibration of doubly-curved shallow shells. Acta Mechanica, 1996, 114, 95-119.	1.1	48
304	Numerical aspects for free vibration of thick plates part I: Formulation and verification. Computer Methods in Applied Mechanics and Engineering, 1998, 156, 15-29.	3.4	48
305	A HYBRID MOVING LEAST SQUARES AND DIFFERENTIAL QUADRATURE (MLSDQ) MESHFREE METHOD. International Journal of Computational Engineering Science, 2002, 03, 1-12.	0.1	48
306	Hydrogen Storage in Silicon Carbide Nanotubes by Lithium Doping. Journal of Physical Chemistry C, 2011, 115, 3491-3496.	1.5	48

#	Article	IF	Citations
307	Interface Enhancement of Glass Fiber Reinforced Vinyl Ester Composites with Flame-Synthesized Carbon Nanotubes and Its Enhancing Mechanism. ACS Applied Materials & Interfaces, 2011, 3, 534-538.	4.0	48
308	Nonlocal continuum model for vibration of single-layered graphene sheets based on the element-free kp-Ritz method. Engineering Analysis With Boundary Elements, 2015, 56, 90-97.	2.0	48
309	Free vibration analysis of bilayer graphene sheets subjected to in-plane magnetic fields. Composite Structures, 2016, 144, 86-95.	3.1	48
310	Vibration of FG-CNT reinforced composite thick quadrilateral plates resting on Pasternak foundations. Engineering Analysis With Boundary Elements, 2016, 64, 1-11.	2.0	48
311	Designing advanced 0D-2D hierarchical structure for Epoxy resin to accomplish exceeding thermal management and safety. Chemical Engineering Journal, 2022, 427, 132046.	6.6	48
312	Dynamic analysis of laminated composite plates with piezoelectric sensor/actuator patches using the FSDT mesh-free method. International Journal of Mechanical Sciences, 2004, 46, 411-431.	3.6	47
313	Mesh-free simulation of single-walled carbon nanotubes using higher order Cauchyâ€“Born rule. Computational Materials Science, 2008, 42, 444-452.	1.4	47
314	Molybdenum disulfide nanosheets as barrier enhancing nanofillers in thermal decomposition of polypropylene composites. Chemical Engineering Journal, 2016, 295, 278-287.	6.6	47
315	Isogeometric approach for buckling analysis of CNT-reinforced composite skew plates under optimal CNT-orientation. Composite Structures, 2017, 163, 365-384.	3.1	47
316	A Ritz vibration analysis of doubly-curved rectangular shallow shells using a refined first-order theory. Computer Methods in Applied Mechanics and Engineering, 1995, 127, 145-162.	3.4	46
317	NATURAL FREQUENCIES OF THICK ARBITRARY QUADRILATERAL PLATES USING THE pbâ€“2 RITZ METHOD. Journal of Sound and Vibration, 1996, 196, 371-385.	2.1	46
318	Postbuckling behavior of bi-axially compressed arbitrarily straight-sided quadrilateral functionally graded material plates. Computer Methods in Applied Mechanics and Engineering, 2016, 300, 593-610.	3.4	46
319	Vibration analysis of multi-span plates having orthogonal straight edges. Journal of Sound and Vibration, 1991, 147, 255-264.	2.1	45
320	Differential quadrature element method for static analysis of Reissnerâ€“Mindlin polar plates. International Journal of Solids and Structures, 1999, 36, 5101-5123.	1.3	45
321	The modelling and design of smart structures using functionally graded materials and piezoelectrical sensor/actuator patches. Smart Materials and Structures, 2003, 12, 647-655.	1.8	45
322	Buckling analysis of triple-walled carbon nanotubes embedded in an elastic matrix. Journal of Applied Physics, 2005, 97, 114318.	1.1	45
323	Free vibration analysis of single-walled carbon nanotubes using a higher-order gradient theory. Journal of Sound and Vibration, 2013, 332, 3740-3755.	2.1	45
324	Modeling of biological population problems using the element-free kp-Ritz method. Applied Mathematics and Computation, 2014, 227, 274-290.	1.4	45

#	Article	IF	Citations
325	The improved complex variable element-free Galerkin method for two-dimensional SchrÃ¶dinger equation. Computers and Mathematics With Applications, 2014, 68, 1093-1106.	1.4	45
326	Influence of elevated temperature on the microstructure and mechanical performance of cement composites reinforced with recycled carbon fibers. Composites Part B: Engineering, 2020, 198, 108245.	5.9	45
327	Transverse Vibration of Thick Annular Sector Plates. Journal of Engineering Mechanics - ASCE, 1993, 119, 1579-1599.	1.6	44
328	Three-dimensional vibration of rectangular plates : Variance of simple support conditions and influence of in-plane inertia. International Journal of Solids and Structures, 1994, 31, 3233-3247.	1.3	44
329	Differential cubature method for static solutions of arbitrarily shaped thick plates. International Journal of Solids and Structures, 1998, 35, 3655-3674.	1.3	44
330	A differential quadrature procedure for three-dimensional buckling analysis of rectangular plates. International Journal of Solids and Structures, 1999, 36, 1149-1168.	1.3	44
331	Vibration Analysis of Discontinuous Mindlin Plates by Differential Quadrature Element Method. Journal of Vibration and Acoustics, Transactions of the ASME, 1999, 121, 204-208.	1.0	44
332	Analysis of rectangular stiffened plates under uniform lateral load based on FSDT and element-free Galerkin method. International Journal of Mechanical Sciences, 2005, 47, 251-276.	3.6	44
333	Postbuckling analysis of laminated composite plates using the mesh-free kp-Ritz method. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 551-570.	3.4	44
334	Carbon nanocones under compression: Buckling and post-buckling behaviors. Physical Review B, 2007, 75, .	1.1	44
335	A numerical framework for two-dimensional large deformation of inhomogeneous swelling of gels using the improved complex variable element-free Galerkin method. Computer Methods in Applied Mechanics and Engineering, 2014, 274, 84-102.	3.4	44
336	Synergetic Dispersion Effect of Graphene Nanohybrid on the Thermal Stability and Mechanical Properties of Ethylene Vinyl Acetate Copolymer Nanocomposite. Industrial & Engineering Chemistry Research, 2014, 53, 1143-1149.	1.8	44
337	A Set of Orthogonal Plate Functions for Flexural Vibration of Regular Polygonal Plates. Journal of Vibration and Acoustics, Transactions of the ASME, 1991, 113, 182-186.	1.0	43
338	Transverse Vibration of Trapezoidal Plates of Variable Thickness: Symmetric Trapezoids. Journal of Sound and Vibration, 1993, 165, 45-67.	2.1	43
339	A fracture energy based constitutive model for the analysis of reinforced concrete structures under cyclic loading. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 4745-4762.	3.4	43
340	Nonlocal elastic beam models for flexural wave propagation in double-walled carbon nanotubes. Journal of Applied Physics, 2009, 106, 044301.	1.1	43
341	Analysis of nonlinear forced vibration of multi-layered graphene sheets. Computational Materials Science, 2012, 61, 194-199.	1.4	43
342	Construction of layer-by-layer assembled chitosan/titanate nanotubes based nanocoating on cotton fabrics: flame retardant performance and combustion behavior. Cellulose, 2015, 22, 911-923.	2.4	43

#	Article	IF	Citations
343	Buckling analysis of graphene sheets embedded in an elastic medium based on the kp-Ritz method and non-local elasticity theory. Engineering Analysis With Boundary Elements, 2016, 70, 31-39.	2.0	43
344	Modeling geometrically nonlinear large deformation behaviors of matrix cracked hybrid composite deep shells containing CNTRC layers. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 753-778.	3.4	43
345	On the Use of pb-2 Rayleigh-Ritz Method for Free Flexural Vibration of Triangular Plates With Curved Internal Supports. Journal of Sound and Vibration, 1993, 165, 329-340.	2.1	42
346	Vibration of Rectangular Mindlin Plates with Intermediate Stiffeners. Journal of Vibration and Acoustics, Transactions of the ASME, 1994, 116, 529-535.	1.0	42
347	Analysis of general shaped thin plates by the moving least-squares differential quadrature method. Finite Elements in Analysis and Design, 2004, 40, 1453-1474.	1.7	42
348	Dynamic ripples in single layer graphene. Applied Physics Letters, 2011, 98, .	1.5	42
349	The theoretical possibility of a graphene sheet spontaneously scrolling round an iron nanowire. Carbon, 2012, 50, 566-576.	5.4	42
350	Modeling of interface cracking in copperâ€“graphite composites by MD and CFE method. Composites Part B: Engineering, 2014, 58, 586-592.	5.9	42
351	Nonlinear Response of Piezoelectric Nanocomposite Plates: Large Deflection, Post-Buckling and Large Amplitude Vibration. International Journal of Applied Mechanics, 2015, 07, 1550074.	1.3	42
352	Element-free geometrically nonlinear analysis of quadrilateral functionally graded material plates with internal column supports. Composite Structures, 2016, 147, 99-110.	3.1	42
353	Isogeometric analysis of the effect of CNT orientation on the static and vibration behaviors of CNT-reinforced skew composite plates. Computer Methods in Applied Mechanics and Engineering, 2017, 317, 341-379.	3.4	42
354	Flexural vibration of shear deformable circular and annular plates on ring supports. Computer Methods in Applied Mechanics and Engineering, 1993, 110, 301-315.	3.4	41
355	Analyzing elastoplastic large deformation problems with the complex variable element-free Galerkin method. Computational Mechanics, 2014, 53, 1149-1162.	2.2	41
356	Parametric analysis of frequency of rotating laminated CNT reinforced functionally graded cylindrical panels. Composites Part B: Engineering, 2016, 90, 251-266.	5.9	41
357	Nonlocal continuum model for large deformation analysis of SLGSs using the kp-Ritz element-free method. International Journal of Non-Linear Mechanics, 2016, 79, 1-9.	1.4	41
358	Exact buckling solutions for composite laminates: proper free edge conditions under in-plane loadings. Acta Mechanica, 1996, 117, 115-128.	1.1	40
359	Differential quadratureâ€“layerwise modeling technique for three-dimensional analysis of cross-ply laminated plates of various edge-supports. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 3811-3832.	3.4	40
360	Dynamic stability analysis of composite laminated cylindrical shells via the mesh-free kp-Ritz method. Computer Methods in Applied Mechanics and Engineering, 2006, 196, 147-160.	3.4	40

#	Article	IF	Citations
361	An elementâ€free analysis of mechanical and thermal buckling of functionally graded conical shell panels. International Journal for Numerical Methods in Engineering, 2011, 86, 269-285.	1.5	40
362	Effects of sample width and inclined angle on flame spread across expanded polystyrene surface in plateau and plain environments. Journal of Thermoplastic Composite Materials, 2015, 28, 111-127.	2.6	40
363	Solid acid-reduced graphene oxide nanohybrid for enhancing thermal stability, mechanical property and flame retardancy of polypropylene. RSC Advances, 2015, 5, 41307-41316.	1.7	40
364	Aeroelastic analysis of CNT reinforced functionally graded composite panels in supersonic airflow using a higher-order shear deformation theory. Composite Structures, 2016, 141, 79-90.	3.1	40
365	Effects of building concave structure on flame spread over extruded polystyrene thermal insulation material. Applied Thermal Engineering, 2017, 121, 802-809.	3.0	40
366	Microstructural changes and mechanical performance of cement composites reinforced with recycled carbon fibers. Cement and Concrete Composites, 2021, 121, 104069.	4.6	40
367	Durable electromagnetic interference (EMI) shielding ramie fabric with excellent flame retardancy and Self-healing performance. Journal of Colloid and Interface Science, 2021, 602, 810-821.	5.0	40
368	Response of Plates of Arbitrary Shape Subject to Static Loading. Journal of Engineering Mechanics - ASCE, 1992, 118, 1783-1794.	1.6	39
369	Differential cubature method: A solution technique for Kirchhoff plates of arbitrary shape. Computer Methods in Applied Mechanics and Engineering, 1997, 145, 1-10.	3.4	39
370	THE ELEMENT-FREE kp-RITZ METHOD FOR VIBRATION OF LAMINATED ROTATING CYLINDRICAL PANELS. International Journal of Structural Stability and Dynamics, 2002, 02, 523-558.	1.5	39
371	Three-dimensional vibration analysis of multilayered piezoelectric composite plates. International Journal of Engineering Science, 2006, 44, 397-408.	2.7	39
372	Modeling of the mechanical instability of carbon nanotubes. Carbon, 2008, 46, 285-290.	5.4	39
373	Fracture behavior of a four-point fixed glass curtain wall under fire conditions. Fire Safety Journal, 2014, 67, 24-34.	1.4	39
374	Defect-free MoS2 nanosheets: Advanced nanofillers for polymer nanocomposites. Composites Part A: Applied Science and Manufacturing, 2016, 81, 61-68.	3.8	39
375	Experimental study on the influence of multi-layer wire mesh on dynamics of premixed hydrogen-air flame propagation in a closed duct. International Journal of Hydrogen Energy, 2017, 42, 14809-14820.	3.8	39
376	Synthesis of Phosphorylated Graphene Oxide Based Multilayer Coating: Self-Assembly Method and Application for Improving the Fire Safety of Cotton Fabrics. Industrial & Engineering Chemistry Research, 2017, 56, 6664-6670.	1.8	39
377	Free vibration of isosceles triangular mindlin plates. International Journal of Mechanical Sciences, 1993, 35, 89-102.	3.6	38
378	Analysis of wave propagation in piezoelectric coupled cylinder affected by transverse shear and rotary inertia. International Journal of Solids and Structures, 2003, 40, 6653-6667.	1.3	38

#	Article	IF	Citations
379	Analyzing two-dimensional sineâ€“Gordon equation with the mesh-free reproducing kernel particle Ritz method. Computer Methods in Applied Mechanics and Engineering, 2012, 245-246, 132-143.	3.4	38
380	Modeling of vibrations of carbon nanotubes. Procedia Engineering, 2012, 31, 343-347.	1.2	38
381	Pattern transformation of thermo-responsive shape memory polymer periodic cellular structures. International Journal of Solids and Structures, 2015, 71, 194-205.	1.3	38
382	Vibration Analysis of Plates by the pb-2 Rayleigh-Ritz Method: Mixed Boundary Conditions, Reentrant Corners, and Internal Curved Supportsâ^—. Mechanics Based Design of Structures and Machines, 1992, 20, 281-292.	0.6	37
383	Vibration of symmetrically laminated cantilever trapezoidal composite plates. International Journal of Mechanical Sciences, 1992, 34, 299-308.	3.6	37
384	Axisymmetric Buckling of Circular Mindlin Plates with Ring Supports. Journal of Structural Engineering, 1993, 119, 782-793.	1.7	37
385	Vibration of Stress-Free Hollow Cylinders of Arbitrary Cross Section. Journal of Applied Mechanics, Transactions ASME, 1995, 62, 718-724.	1.1	37
386	Vibrations of Perforated Plates with Rounded Corners. Journal of Engineering Mechanics - ASCE, 1995, 121, 203-213.	1.6	37
387	Nonlinear analysis of piezoelectric nanocomposite energy harvesting plates. Smart Materials and Structures, 2014, 23, 065001.	1.8	37
388	Self-assembly of zinc hydroxystannate on amorphous hydrous TiO2 solid sphere for enhancing fire safety of epoxy resin. Journal of Hazardous Materials, 2017, 340, 263-271.	6.5	37
389	Vibration studies on skew plates: Treatment of internal line supports. Computers and Structures, 1993, 49, 941-951.	2.4	36
390	Effects of initial twist and thickness variation on the vibration behaviour of shallow conical shells. Journal of Sound and Vibration, 1995, 180, 271-296.	2.1	36
391	Vibration analysis of symmetrically laminated thick rectangular plates using the higher-order theory and p-Ritz method. Journal of the Acoustical Society of America, 1997, 102, 1600-1611.	0.5	36
392	DETECTION OF DAMAGE LOCATIONS IN A BEAM USING THE WAVELET ANALYSIS. International Journal of Structural Stability and Dynamics, 2001, 01, 455-465.	1.5	36
393	Parallel-multigrid computation of unsteady incompressible viscous flows using a matrix-free implicit method and high-resolution characteristics-based scheme. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 3949-3983.	3.4	36
394	Analyzing the interaction between collinear interfacial cracks by an efficient boundary element-free method. International Journal of Engineering Science, 2006, 44, 37-48.	2.7	36
395	Density Functional Study of Fluorinated Single-Walled Silicon Carbide Nanotubes. Journal of Physical Chemistry C, 2012, 116, 1702-1708.	1.5	36
396	Analyzing pedestrian merging flow on a floorâ€“stair interface using an extended lattice gas model. Simulation, 2014, 90, 501-510.	1.1	36

#	Article	IF	Citations
397	Thermal and fire risk analysis of typical insulation material in a high elevation area: Influence of sidewalls, dimension and pressure. Energy Conversion and Management, 2014, 88, 516-524.	4.4	36
398	A multi criteria comprehensive evaluation approach for emergency response capacity with interval 2-tuple linguistic information. Applied Soft Computing Journal, 2018, 72, 419-441.	4.1	36
399	Buckling and pattern transformation of modified periodic lattice structures. Extreme Mechanics Letters, 2018, 22, 112-121.	2.0	36
400	A smoothed particle hydrodynamicsâ€“peridynamics coupling strategy for modeling fluidâ€“structure interaction problems. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113298.	3.4	36
401	Flexural behaviour and efficiency of CFRP-laminate reinforced recycled concrete beams: Optimization using linear weighted sum method. Composite Structures, 2021, 260, 113259.	3.1	36
402	Free vibration analysis of isotropic and orthotropic triangular plates. International Journal of Mechanical Sciences, 1990, 32, 455-464.	3.6	35
403	Transverse Vibration Of Trapezoidal Plates Of Variable Thickness: Unsymmetric Trapezoids. Journal of Sound and Vibration, 1994, 177, 479-501.	2.1	35
404	Vibration of perforated doubly-curved shallow shells with rounded corners. International Journal of Solids and Structures, 1994, 31, 1519-1536.	1.3	35
405	Modelling and simulation of the superelastic behaviour of shape memory alloys using the element-free Galerkin method. International Journal of Mechanical Sciences, 2002, 44, 2393-2413.	3.6	35
406	Numerical simulation and analysis of an electroactuated beam using a radial basis function. Smart Materials and Structures, 2005, 14, 1163-1171.	1.8	35
407	Stability of piezoelectric FGM rectangular plates subjected to non-uniformly distributed load, heat and voltage. Advances in Engineering Software, 2008, 39, 121-131.	1.8	35
408	Predicting buckling behavior of microtubules based on an atomistic-continuum model. International Journal of Solids and Structures, 2011, 48, 1730-1737.	1.3	35
409	Investigation of temperature effect on the mechanical properties of single-walled carbon nanotubes. Composite Structures, 2011, 93, 2208-2212.	3.1	35
410	Correlation analysis of heat flux and cone calorimeter test data of commercial flame-retardant ethylene-propylene-diene monomer (EPDM) rubber. Journal of Thermal Analysis and Calorimetry, 2016, 123, 545-556.	2.0	35
411	Investigation of thermal breakage and heat transfer in single, insulated and laminated glazing under fire conditions. Applied Thermal Engineering, 2017, 125, 662-672.	3.0	35
412	Multi-objective optimization of high performance bio-inspired prefabricated composites for sustainable and resilient construction. Composite Structures, 2022, 279, 114732.	3.1	35
413	Vibration of pretwisted cantilever trapezoidal symmetric laminates. Acta Mechanica, 1995, 111, 193-208.	1.1	34
414	Description of deformation in shape memory alloys from DO3 austenite to 18R martensite by group theory. Acta Materialia, 2003, 51, 2443-2456.	3.8	34

#	Article	IF	Citations
415	Analyzing modified equal width (MEW) wave equation using the improved element-free Galerkin method. Engineering Analysis With Boundary Elements, 2012, 36, 1322-1330.	2.0	34
416	Free vibration analysis of microtubules based on an atomistic-continuum model. Journal of Sound and Vibration, 2012, 331, 213-230.	2.1	34
417	Nanoindentation study of size effect and loading rate effect on mechanical properties of a thin film metallic glass Cu49.3Zr50.7. Physica B: Condensed Matter, 2012, 407, 340-346.	1.3	34
418	Numerical study on fire response of glass facades in different installation forms. Construction and Building Materials, 2014, 61, 172-180.	3.2	34
419	On the study of elastic properties of CNT-reinforced composites based on element-free MLS method with nanoscale cylindrical representative volume element. Composite Structures, 2015, 124, 1-9.	3.1	34
420	Effect of Functionalized Graphene Oxide with Organophosphorus Oligomer on the Thermal and Mechanical Properties and Fire Safety of Polystyrene. Industrial & Engineering Chemistry Research, 2015, 54, 3309-3319.	1.8	34
421	Artificial Intelligence in Materials Modeling and Design. Archives of Computational Methods in Engineering, 2021, 28, 3399-3413.	6.0	34
422	Cost-effective graphite felt and phosphorous flame retardant with extremely high electromagnetic shielding. Composites Part B: Engineering, 2022, 236, 109819.	5.9	34
423	Buckling of triangular plates under uniform compression. Engineering Structures, 1994, 16, 43-50.	2.6	33
424	Vibration of cantilevered laminated composite shallow conical shells. International Journal of Solids and Structures, 1998, 35, 1695-1707.	1.3	33
425	Global Bifurcations in Parametrically Excited Systems with Zero-to-One Internal Resonance. Nonlinear Dynamics, 2000, 21, 249-263.	2.7	33
426	Three-dimensional theory of elasticity for free vibration analysis of composite laminates via layerwise differential quadrature modelling. International Journal for Numerical Methods in Engineering, 2003, 57, 1819-1844.	1.5	33
427	Boundary element-free method for fracture analysis of 2-D anisotropic piezoelectric solids. International Journal for Numerical Methods in Engineering, 2007, 69, 729-749.	1.5	33
428	Reply to â€˜Comments on â€˜Boundary elementâ€free method (BEFM) and its application to twoâ€dimensional elasticity problemsâ€™â€™ by Zhigang Chen, International Journal for Numerical Methods in Engineering 2008; 74:347â€“348. International Journal for Numerical Methods in Engineering, 2009, 78, 1258-1260.	1.5	33
429	Compressive mechanical properties of carbon nanotubes encapsulating helical copper nanowires. Carbon, 2010, 48, 1586-1591.	5.4	33
430	High-temperature thermal stability and axial compressive properties of a coaxial carbon nanotube inside a boron nitride nanotube. Nanotechnology, 2011, 22, 085701.	1.3	33
431	Nonlocal Continuum Model and Molecular Dynamics for Free Vibration of Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2011, 11, 10401-10407.	0.9	33
432	Smoke filling in closed compartments with elevated fire sources. Fire Safety Journal, 2012, 54, 14-23.	1.4	33

#	Article	IF	Citations
433	A mesh-free computational framework for predicting buckling behaviors of single-walled carbon nanocones under axial compression based on the moving Kriging interpolation. Computer Methods in Applied Mechanics and Engineering, 2012, 247-248, 103-112.	3.4	33
434	A novel complex variable element-free Galerkin method for two-dimensional large deformation problems. Computer Methods in Applied Mechanics and Engineering, 2012, 233-236, 1-10.	3.4	33
435	A higher-order gradient theory for modeling of the vibration behavior of single-wall carbon nanocones. Applied Mathematical Modelling, 2014, 38, 2946-2960.	2.2	33
436	Numerical analysis of generalized regularized long wave equation using the element-free kp-Ritz method. Applied Mathematics and Computation, 2014, 240, 91-101.	1.4	33
437	An element-free based solution for nonlinear SchrÃ¶dinger equations using the ICVMLS-Ritz method. Applied Mathematics and Computation, 2014, 249, 333-345.	1.4	33
438	The effect of azeotropism on combustion characteristics of blended fuel pool fire. Journal of Hazardous Materials, 2014, 271, 82-88.	6.5	33
439	Experimental study on critical breaking stress of float glass under elevated temperature. Materials & Design, 2014, 60, 41-49.	5.1	33
440	New insights into creep characteristics of calcium silicate hydrates at molecular level. Cement and Concrete Research, 2021, 142, 106366.	4.6	33
441	Leaf vein-inspired engineering of MXene@SrSn(OH)6 nanorods towards super-tough elastomer nanocomposites with outstanding fire safety. Composites Part B: Engineering, 2022, 228, 109425.	5.9	33
442	Roles of domain decomposition method in plate vibrations: Treatment of mixed discontinuous periphery boundaries. International Journal of Mechanical Sciences, 1993, 35, 615-632.	3.6	32
443	Three-dimensional vibration of cylindrical shell panels - solution by continuum and discrete approaches. Computational Mechanics, 2000, 26, 208-221.	2.2	32
444	Design and simulation of an angular-rate vibrating microgyroscope. Sensors and Actuators A: Physical, 2004, 116, 241-256.	2.0	32
445	Parallel computation of unsteady incompressible viscous flows around moving rigid bodies using an immersed object method with overlapping grids. Journal of Computational Physics, 2005, 207, 151-172.	1.9	32
446	Numerical simulation of 3D fluidâ€“structure interaction flow using an immersed object method with overlapping grids. Computers and Structures, 2007, 85, 749-762.	2.4	32
447	Free Vibration Analysis of Folded Plate Structures by the FSDT Mesh-free Method. Computational Mechanics, 2007, 39, 799-814.	2.2	32
448	Dynamic stability analysis of composite laminated cylindrical panels via the mesh-free kp-Ritz method. International Journal of Mechanical Sciences, 2007, 49, 1156-1165.	3.6	32
449	A meshless analysis of three-dimensional transient heat conduction problems. Engineering Analysis With Boundary Elements, 2012, 36, 203-210.	2.0	32
450	Synthesis and Characterization of CuMoO₄/Znâ€“Al Layered Double Hydroxide Hybrids and Their Application as a Reinforcement in Polypropylene. Industrial & Engineering Chemistry Research, 2014, 53, 12355-12362.	1.8	32

#	Article	IF	Citations
451	Transient analysis of single-layered graphene sheet using the kp-Ritz method and nonlocal elasticity theory. Applied Mathematics and Computation, 2015, 258, 489-501.	1.4	32
452	Multiscale simulation of mechanical properties and microstructure of CNT-reinforced cement-based composites. Computer Methods in Applied Mechanics and Engineering, 2017, 319, 393-413.	3.4	32
453	Experimental study on a comparison of typical premixed combustible gas-air flame propagation in a horizontal rectangular closed duct. Journal of Hazardous Materials, 2017, 327, 116-126.	6.5	32
454	Scalable one-step synthesis of hydroxylated boron nitride nanosheets for obtaining multifunctional polyvinyl alcohol nanocomposite films: Multi-azimuth properties improvement. Composites Science and Technology, 2018, 168, 74-80.	3.8	32
455	Three-dimensional vibratory characteristics of solid cylinders and some remarks on simplified beam theories. International Journal of Solids and Structures, 1995, 32, 3499-3513.	1.3	31
456	Three-dimensional free vibration analysis of perforated super elliptical plates via the p-Ritz method. International Journal of Mechanical Sciences, 2001, 43, 2613-2630.	3.6	31
457	Optimal shape control of functionally graded smart plates using genetic algorithms. Computational Mechanics, 2004, 33, 245-253.	2.2	31
458	Postbuckling of Axially Loaded Functionally Graded Cylindrical Panels with Piezoelectric Actuators in Thermal Environments. Journal of Engineering Mechanics - ASCE, 2004, 130, 982-995.	1.6	31
459	Free transverse vibration of single-walled carbon nanocones. Carbon, 2012, 50, 4418-4423.	5.4	31
460	Impacts of elevation on pool fire behavior in a closed compartment: A study based upon a distinct stratification phenomenon. Journal of Fire Sciences, 2013, 31, 178-193.	0.9	31
461	Ultra-sensitive analysis of a cantilevered single-walled carbon nanocone-based mass detector. Nanotechnology, 2013, 24, 125703.	1.3	31
462	Fracture behavior of framing coated glass curtain walls under fire conditions. Fire Safety Journal, 2015, 75, 45-58.	1.4	31
463	Detailed investigation on elastoplastic deformation and failure of carbon nanotube fibers by monotonic and cyclic tensile experiments. Carbon, 2015, 94, 73-78.	5.4	31
464	Mechanical properties and characteristics of microtubules: A review. Composite Structures, 2015, 123, 98-108.	3.1	31
465	Flammability and safety design of thermal insulation materials comprising PS foams and fire barrier materials. Materials and Design, 2016, 99, 500-508.	3.3	31
466	Meshless modeling of geometrically nonlinear behavior of CNT-reinforced functionally graded composite laminated plates. Applied Mathematics and Computation, 2017, 295, 24-46.	1.4	31
467	CO Oxidation over Nanostructured Ceria Supported Bimetallic Cuâ€“Mn Oxides Catalysts: Effect of Cu/Mn Ratio and Calcination Temperature. Catalysis Letters, 2018, 148, 181-193.	1.4	31
468	Mindlin Plate Buckling with Prebuckling Inâ€Plane Deformation. Journal of Engineering Mechanics - ASCE, 1993, 119, 1-18.	1.6	30

#	Article	IF	Citations
469	A global approach for vibration of thick trapezoidal plates. Computers and Structures, 1994, 53, 83-92.	2.4	30
470	Analysis of the pseudoelastic behavior of a SMA beam by the element-free Galerkin method. Engineering Analysis With Boundary Elements, 2004, 28, 497-507.	2.0	30
471	Multiscale modeling of carbon nanotubes under axial tension and compression. Physical Review B, 2005, 72, .	1.1	30
472	Predicting mechanical properties of single-walled carbon nanocones using a higher-order gradient continuum computational framework. Composite Structures, 2012, 94, 3271-3277.	3.1	30
473	Method of domain decomposition in vibrations of mixed edge anisotropic plates. International Journal of Solids and Structures, 1993, 30, 3281-3301.	1.3	29
474	Vibration Analysis of Corner Supported Mindlin Plates of Arbitrary Shape Using the Lagrange Multiplier Method. Journal of Sound and Vibration, 1994, 173, 457-470.	2.1	29
475	Vibration Characteristics of Simply Supported Thick Skew Plates in Three-Dimensional Setting. Journal of Applied Mechanics, Transactions ASME, 1995, 62, 880-886.	1.1	29
476	Three-dimensional modeling and simulation of superplastic forming. Journal of Materials Processing Technology, 2004, 150, 76-83.	3.1	29
477	Numerical simulation of thermomechanical behaviours of shape memory alloys via a non-linear mesh-free Galerkin formulation. International Journal for Numerical Methods in Engineering, 2005, 63, 1014-1040.	1.5	29
478	Twisting effects of carbon nanotube bundles subjected to axial compression and tension. Journal of Applied Physics, 2006, 99, 114312.	1.1	29
479	A mesh-free simulation of cracking and failure using the cohesive segments method. International Journal of Engineering Science, 2007, 45, 541-553.	2.7	29
480	Molecular dynamics simulations of the torsional instability of carbon nanotubes filled with hydrogen or silicon atoms. Applied Physics Letters, 2008, 92, 043120.	1.5	29
481	Pattern transformation of single-material and composite periodic cellular structures. Materials and Design, 2017, 132, 375-384.	3.3	29
482	Dynamic responses of aerothermoelastic functionally graded CNT reinforced composite panels in supersonic airflow subjected to low-velocity impact. Composites Part B: Engineering, 2018, 149, 99-109.	5.9	29
483	Meshfree and Particle Methods in Biomechanics: Prospects and Challenges. Archives of Computational Methods in Engineering, 2019, 26, 1547-1576.	6.0	29
484	Atomistic Insights into the Tunable Transition from Cavitation to Crazing in Diamond Nanothread-Reinforced Polymer Composites. Research, 2020, 2020, 7815462.	2.8	29
485	Free Vibration of Pretwisted, Cantilevered Composite Shallow Conical Shells. AIAA Journal, 1997, 35, 327-333.	1.5	28
486	Piezothermoelastic analysis of a piezoelectric material with an elliptic cavity under uniform heat flow. Archive of Applied Mechanics, 1998, 68, 719-733.	1.2	28

#	Article	IF	Citations
487	Static analysis of Mindlin plates: The differential quadrature element method (DQEM). Computer Methods in Applied Mechanics and Engineering, 1999, 177, 51-75.	3.4	28
488	Springback analysis for sheet forming processes by explicit finite element method in conjunction with the orthogonal regression analysis. International Journal of Solids and Structures, 1999, 36, 4653-4668.	1.3	28
489	Three-dimensional elasticity solutions to some orthotropic plate problems. International Journal of Solids and Structures, 1999, 36, 5301-5326.	1.3	28
490	A quadratic plane triangular element immune to quadratic mesh distortions under quadratic displacement fields. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 1207-1223.	3.4	28
491	A 2D total strain based constitutive model for predicting the behaviors of concrete structures. International Journal of Engineering Science, 2006, 44, 1280-1303.	2.7	28
492	Local buckling of carbon nanotubes under bending. Applied Physics Letters, 2007, 91, .	1.5	28
493	How Do Metal/Graphene Self-Assemble into Coreâ"Shelled Composite Nanostructures?. Journal of Physical Chemistry C, 2011, 115, 6229-6234.	1.5	28
494	Dynamic behaviors of long and curved microtubules based on an atomistic-continuum model. Computer Methods in Applied Mechanics and Engineering, 2012, 223-224, 123-132.	3.4	28
495	Analysis of single-walled carbon nanotubes using the moving Kriging interpolation. Computer Methods in Applied Mechanics and Engineering, 2012, 229-232, 56-67.	3.4	28
496	Predicting elastic properties of single-walled boron nitride nanotubes and nanocones using an atomistic-continuum approach. Composite Structures, 2015, 125, 489-498.	3.1	28
497	Low temperature CO catalytic oxidation and kinetic performances of KOHâ€"Hopcalite in the presence of CO₂. RSC Advances, 2016, 6, 7181-7188.	1.7	28
498	Pressure effect on flame spread over polyethylene-insulated copper core wire. Applied Thermal Engineering, 2017, 123, 1042-1049.	3.0	28
499	Halogen and halogen-free flame retarded biologically-based polyamide with markedly suppressed smoke and toxic gases releases. Composites Part B: Engineering, 2020, 184, 107737.	5.9	28
500	Predicting vibration characteristics of rotating composite blades containing CNT-reinforced composite laminae and damaged fiber-reinforced composite laminae. Composite Structures, 2020, 250, 112580.	3.1	28
501	On the use of 2-D orthogonal polynomials in the Rayleigh-Ritz method for flexural vibration of annular sector plates of arbitrary shape. International Journal of Mechanical Sciences, 1993, 35, 129-139.	3.6	27
502	Three-dimensional elasticity solutions to vibration of cantilevered skewed trapezoids. AIAA Journal, 1994, 32, 2080-2089.	1.5	27
503	A global continuum Ritz formulation for flexural vibration of pretwisted trapezoidal plates with one edge built in. Computer Methods in Applied Mechanics and Engineering, 1994, 114, 233-247.	3.4	27
504	A free-vibration analysis of doubly connected super-elliptical laminated composite plates. Composites Science and Technology, 1998, 58, 435-445.	3.8	27

#	Article	IF	Citations
505	Electro-elastic stress analysis for a wedge-shaped crack interacting with a screw dislocation in piezoelectric solid. International Journal of Engineering Science, 2002, 40, 621-635.	2.7	27
506	On the interaction between a semi-infinite anti-crack and a screw dislocation in piezoelectric solid. International Journal of Solids and Structures, 2002, 39, 1505-1513.	1.3	27
507	A computational approach for predicting the hydroelasticity of flexible structures based on the pressure Poisson equation. International Journal for Numerical Methods in Engineering, 2007, 72, 1560-1583.	1.5	27
508	Geometrically nonlinear analysis of cylindrical shells using the element-free kp-Ritz method. Engineering Analysis With Boundary Elements, 2007, 31, 783-792.	2.0	27
509	Modeling aerothermoelastic properties and active flutter control of nanocomposite cylindrical shells in supersonic airflow under thermal environments. Computer Methods in Applied Mechanics and Engineering, 2017, 325, 416-433.	3.4	27
510	Carbonation resistance study and inhomogeneity evolution of recycled aggregate concretes under loading effects. Cement and Concrete Composites, 2021, 118, 103916.	4.6	27
511	Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems. Computer Methods in Applied Mechanics and Engineering, 1994, 114, 379-396.	3.4	26
512	Vibratory characteristics of general laminates. Journal of Sound and Vibration, 1995, 183, 615-642.	2.1	26
513	A line dislocation interacting with a semi-infinite crack in piezoelectric solid. International Journal of Engineering Science, 2004, 42, 1-11.	2.7	26
514	Buckling of folded plate structures subjected to partial in-plane edge loads by the FSDT meshfree Galerkin method. International Journal for Numerical Methods in Engineering, 2006, 65, 1495-1526.	1.5	26
515	Modeling of fracture of carbon nanotubes with vacancy defect. Physical Review B, 2007, 75, .	1.1	26
516	Geometric non-linear analysis of folded plate structures by the spline strip kernel particle method. International Journal for Numerical Methods in Engineering, 2007, 71, 1102-1133.	1.5	26
517	Oddâ€“Even Effects of Electronic Transport in Carbon-Chain-Based Molecular Devices. Journal of Physical Chemistry C, 2012, 116, 11709-11713.	1.5	26
518	Processable Dispersions of Graphitic Carbon Nitride Based Nanohybrids and Application in Polymer Nanocomposites. Industrial & Engineering Chemistry Research, 2016, 55, 7646-7654.	1.8	26
519	A multiscale modeling of CNT-reinforced cement composites. Computer Methods in Applied Mechanics and Engineering, 2016, 309, 411-433.	3.4	26
520	Modeling large amplitude vibration of matrix cracked hybrid laminated plates containing CNTR-FG layers. Applied Mathematical Modelling, 2018, 55, 33-48.	2.2	26
521	Anti-Fogging, Frost-Resistant transparent and flexible silver Nanowire-Ti3C2Tx MXene based composite films for excellent electromagnetic interference shielding ability. Journal of Colloid and Interface Science, 2022, 608, 2493-2504.	5.0	26
522	Vibration of Mindlin Plates on Point Supports Using Constraint Functions. Journal of Engineering Mechanics - ASCE, 1994, 120, 499-513.	1.6	25

#	Article	IF	Citations
523	Vibration of shallow conical shells with shear flexibility: A first-order theory. International Journal of Solids and Structures, 1996, 33, 451-468.	1.3	25
524	THERMAL STRESSES AROUND A CIRCULAR HOLE IN A FUNCTIONALLY GRADED PLATE. Journal of Thermal Stresses, 2003, 26, 379-390.	1.1	25
525	Parallel computation of unsteady three-dimensional incompressible viscous flow using an unstructured multigrid method. Computers and Structures, 2004, 82, 2425-2436.	2.4	25
526	Structural stability of a coaxial carbon nanotube inside a boronâ€“nitride nanotube. Carbon, 2011, 49, 677-683.	5.4	25
527	Preparation of a novel biobased flame retardant containing phosphorus and nitrogen and its performance on the flame retardancy and thermal stability of poly(vinyl alcohol). Polymer Degradation and Stability, 2014, 106, 47-53.	2.7	25
528	Enhanced fire-retardancy of poly(ethylene vinyl acetate) electrical cable coatings containing microencapsulated ammonium polyphosphate as intumescent flame retardant. RSC Advances, 2016, 6, 85564-85573.	1.7	25
529	A mesh-free vibration analysis of strain gradient nano-beams. Engineering Analysis With Boundary Elements, 2017, 84, 231-236.	2.0	25
530	Predicting carbonation service life of reinforced concrete beams reflecting distribution of carbonation zones. Construction and Building Materials, 2020, 255, 119367.	3.2	25
531	On the Use of the Substructure Method for Vibration Analysis of Rectangular Plates with Discontinuous Boundary Conditions. Journal of Sound and Vibration, 1993, 163, 451-462.	2.1	24
532	Buckling And Vibration Of Annular Mindlin Plates With Internal Concentric Ring Supports Subject To In-Plane Radial Pressure. Journal of Sound and Vibration, 1994, 177, 689-707.	2.1	24
533	Free Vibration Analysis of Thick Superelliptical Plates. Journal of Engineering Mechanics - ASCE, 1998, 124, 137-145.	1.6	24
534	Vibration of annular sector plates from three-dimensional analysis. Journal of the Acoustical Society of America, 2001, 110, 233-242.	0.5	24
535	Vibration of Axially Loaded Rotating Cross-Ply Laminated Cylindrical Shells via Ritz Method. Journal of Engineering Mechanics - ASCE, 2002, 128, 1001-1007.	1.6	24
536	A spline strip kernel particle method and its application to two-dimensional elasticity problems. International Journal for Numerical Methods in Engineering, 2003, 57, 599-616.	1.5	24
537	Three-dimensional analysis of the coupled thermo-piezoelectro-mechanical behaviour of multilayered plates using the differential quadrature technique. International Journal of Solids and Structures, 2005, 42, 4239-4257.	1.3	24
538	Buckling characteristics of embedded multi-walled carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2005, 461, 3785-3805.	1.0	24
539	Theoretical study of the electrical transport of nickel nanowires and a single atomic chain. Journal of Applied Physics, 2007, 102, .	1.1	24
540	Effects of boron nitride impurities on the elastic properties of carbon nanotubes. Nanotechnology, 2008, 19, 445703.	1.3	24

#	Article	IF	Citations
541	Molecular mechanics modeling for properties of carbon nanotubes. Journal of Applied Physics, 2008, 103, .	1.1	24
542	One-step synthesis of manganese dioxide/polystyrene nanocomposite foams via high internal phase emulsion and study of their catalytic activity. Colloid and Polymer Science, 2010, 288, 1031-1039.	1.0	24
543	A computational framework for transverse compression of microtubules based on a higher-order Cauchyâ€“Born rule. Computer Methods in Applied Mechanics and Engineering, 2013, 254, 14-30.	3.4	24
544	Phosphorylated cellulose applied for the exfoliation of LDH: An advanced reinforcement for polyvinyl alcohol. Composites Part A: Applied Science and Manufacturing, 2017, 94, 170-177.	3.8	24
545	Superstretchability and stability of helical structures of carbon nanotube/polymer composite fibers: Coarse-grained molecular dynamics modeling and simulation. Carbon, 2017, 115, 220-228.	5.4	24
546	Monitoring the degradation of physical properties and fire hazards of high-impact polystyrene composite with different ageing time in natural environments. Journal of Hazardous Materials, 2018, 352, 92-100.	6.5	24
547	Elastic buckling of regular polygonal plates. Thin-Walled Structures, 1995, 21, 163-173.	2.7	23
548	Hybrid analysis of Lamb wave reflection by a crack at the fixed edge of a composite plate. Computer Methods in Applied Mechanics and Engineering, 1995, 125, 221-233.	3.4	23
549	Vibration of stiffened skew Mindlin plates. Acta Mechanica, 1995, 112, 11-28.	1.1	23
550	Vibratory Behavior of Doubly Curved Shallow Shells of Curvilinear Planform. Journal of Engineering Mechanics - ASCE, 1995, 121, 1277-1283.	1.6	23
551	Vibration Characteristics of Conical Shell Panels With Three-Dimensional Flexibility. Journal of Applied Mechanics, Transactions ASME, 2000, 67, 314-320.	1.1	23
552	Multi-dimensional superelastic behavior of shape memory alloys via nonlinear finite element method. Engineering Structures, 2002, 24, 51-57.	2.6	23
553	On the use of computational intelligence in the optimal shape control of functionally graded smart plates. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 4475-4492.	3.4	23
554	Electron-Conduction Properties of Feâ^'Al Alloy Nanowires. Journal of Physical Chemistry B, 2008, 112, 15588-15595.	1.2	23
555	Compressive mechanical behavior of Au nanowires. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2949-2952.	0.9	23
556	Transport properties of a single layer armchair h-BNC heterostructure. Journal of Applied Physics, 2011, 110, .	1.1	23
557	Experimental study on ignition and combustion characteristics of typical oils. Fire and Materials, 2014, 38, 409-417.	0.9	23
558	Effect of grafted amine groups on in-plane tensile properties and high temperature structural stability of borophene nanoribbons. RSC Advances, 2015, 5, 74399-74407.	1.7	23

#	Article	IF	Citations
559	Impact analysis of CNT-reinforced composite plates based on Reddyâ€™s higher-order shear deformation theory using an element-free approach. Composite Structures, 2017, 170, 228-242.	3.1	23
560	Impact analysis of CNT-reinforced composite plates integrated with piezoelectric layers based on Reddy's higher-order shear deformation theory. Composites Part B: Engineering, 2018, 136, 10-19.	5.9	23
561	Modeling of crack bridging and failure in heterogeneous composite materials: A damage-plastic multiphase model. Journal of the Mechanics and Physics of Solids, 2020, 143, 104072.	2.3	23
562	Understanding interfacial interaction characteristics of carbon nitride reinforced epoxy composites from atomistic insights. Carbon, 2021, 171, 45-54.	5.4	23
563	Exploring mechanical performance of hybrid MWCNT and GNMP reinforced cementitious composites. Construction and Building Materials, 2021, 267, 120721.	3.2	23
564	Investigating the relationship between heating temperature and thermal runaway of prismatic lithium-ion battery with LiFePO4 as cathode. Energy, 2022, 256, 124714.	4.5	23
565	Elastic Buckling of Rectangular Plates with Curved Internal Supports. Journal of Structural Engineering, 1992, 118, 1480-1493.	1.7	22
566	Boundary beam characteristics orthonormal polynomials in energy approach for vibration of symmetric laminates â€" II: Elastically restrained boundaries. Composite Structures, 1993, 26, 185-209.	3.1	22
567	Transverse vibration of thick rectangular platesâ€"II. Inclusion of oblique internal line supports. Computers and Structures, 1993, 49, 31-58.	2.4	22
568	A nonlinear finite element model for dynamics of flexible manipulators. Mechanism and Machine Theory, 1996, 31, 1109-1119.	2.7	22
569	Mixed-interface substructures for dynamic analysis of flexible multibody systems. Engineering Structures, 1996, 18, 495-503.	2.6	22
570	MESH-FREE METHOD REVISITED: TWO NEW APPROACHES FOR THE TREATMENT OF ESSENTIAL BOUNDARY CONDITIONS. International Journal of Computational Engineering Science, 2002, 03, 219-233.	0.1	22
571	A thermodynamic constitutive model for stress induced phase transformation in shape memory alloys. International Journal of Solids and Structures, 2002, 39, 741-763.	1.3	22
572	On the stability properties of a Van der Polâ€“Duffing oscillator that is driven by a real noise. Journal of Sound and Vibration, 2005, 285, 27-49.	2.1	22
573	The effects of grafted amine groups on the elastic properties of single-walled carbon nanotubes. Carbon, 2009, 47, 713-721.	5.4	22
574	Density Functional Study of Interaction of Lithium with Pristine and Stone-Wales-Defective Single-Walled Silicon Carbide Nanotubes. Journal of Physical Chemistry C, 2012, 116, 26888-26897.	1.5	22
575	Buckling and post-buckling of single-wall carbon nanocones upon bending. Composite Structures, 2013, 106, 793-798.	3.1	22
576	Downward flame spread over extruded polystyrene. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1091-1103.	2.0	22

#	Article	IF	Citations
577	Parametric analysis and temperature effect of deployable hinged shells using shape memory polymers. Smart Materials and Structures, 2016, 25, 115034.	1.8	22
578	Predicting bucking and vibration behaviors of functionally graded carbon nanotube reinforced composite cylindrical panels with three-dimensional flexibilities. Composite Structures, 2021, 256, 113039.	3.1	22
579	Adaptive surrogate-based harmony search algorithm for design optimization of variable stiffness composite materials. Computer Methods in Applied Mechanics and Engineering, 2021, 379, 113754.	3.4	22
580	Study on flexural vibration of triangular composite plates influenced by fibre orientation. Composite Structures, 1989, 13, 123-132.	3.1	21
581	An intelligent information sharing strategy within a swarm for unconstrained and constrained optimization problems. Soft Computing, 2002, 6, 38-44.	2.1	21
582	Buckling analysis of abnormal multiwalled carbon nanotubes. Journal of Applied Physics, 2007, 102, 053511.	1.1	21
583	A molecular mechanics analysis of the buckling behavior of carbon nanorings under tension. Carbon, 2009, 47, 3508-3514.	5.4	21
584	Investigation of Human Behavior in Emergent Evacuation from an Underground Retail Store. Procedia Engineering, 2014, 71, 350-356.	1.2	21
585	Fabrication of carbon black coated flexible polyurethane foam for significantly improved fire safety. RSC Advances, 2015, 5, 55870-55878.	1.7	21
586	Nonlocal elasticity theory for graphene modeling and simulation: prospects and challenges. Journal of Modeling in Mechanics and Materials, 2017, 1, .	1.8	21
587	Machine learning and materials informatics approaches for evaluating the interfacial properties of fiber-reinforced composites. Composite Structures, 2021, 273, 114328.	3.1	21
588	A facile strategy for lightweight, anti-dripping, flexible polyurethane foam with low smoke emission tendency and superior electromagnetic wave blocking. Journal of Colloid and Interface Science, 2021, 603, 25-36.	5.0	21
589	Vibration of eccentric ring and line supported circular plates carrying concentrated masses. Journal of Sound and Vibration, 1992, 156, 99-107.	2.1	20
590	Transverse vibration of thick rectangular platesâ€”IV. Influence of isotropic in-plane pressure. Computers and Structures, 1993, 49, 69-78.	2.4	20
591	Vibration of Laminated Plates Having Elastic Edge Flexibilities. Journal of Engineering Mechanics - ASCE, 1997, 123, 1012-1019.	1.6	20
592	Numerical aspects for free vibration of thick plates part II: Numerical efficiency and vibration frequencies. Computer Methods in Applied Mechanics and Engineering, 1998, 156, 31-44.	3.4	20
593	Vibration of open cylindrical shells: A three-dimensional elasticity approach. Journal of the Acoustical Society of America, 1998, 104, 1436-1443.	0.5	20
594	A partition of unityâ€based â€˜FEâ€“Meshfreeâ€™ QUAD4 element for geometric nonâ€linear analysis. International Journal for Numerical Methods in Engineering, 2010, 82, 1574-1608.	1.5	20

#	Article	IF	Citations
595	A continuum mechanics framework and a constitutive model for predicting the orthotropic elastic properties of microtubules. Composite Structures, 2011, 93, 1809-1818.	3.1	20
596	Turbulent jet diffusion flame length evolution with cross flows in a sub-pressure atmosphere. Energy Conversion and Management, 2015, 106, 703-708.	4.4	20
597	Pulsation Behavior of Pool Fires in a Confined Compartment with a Horizontal Opening. Fire Technology, 2016, 52, 515-531.	1.5	20
598	Free vibration analysis of FG-CNT reinforced composite straight-sided quadrilateral plates resting on elastic foundations using the IMLS-Ritz method. JVC/Journal of Vibration and Control, 2017, 23, 1026-1043.	1.5	20
599	Design of copper salt@graphene nanohybrids to accomplish excellent resilience and superior fire safety for flexible polyurethane foam. Journal of Colloid and Interface Science, 2022, 606, 1205-1218.	5.0	20
600	A phase-field framework for failure modeling of variable stiffness composite laminae. Computer Methods in Applied Mechanics and Engineering, 2022, 388, 114192.	3.4	20
601	Vibration of annular sector mindlin plates with internal radial line and circumferential arc supports. Journal of Sound and Vibration, 1995, 183, 401-419.	2.1	19
602	Analysis of annular Reissner/Mindlin plates using differential quadrature method. International Journal of Mechanical Sciences, 1998, 40, 651-661.	3.6	19
603	Differential cubature method for analysis of shear deformable rectangular plates on Pasternak foundations. International Journal of Mechanical Sciences, 2002, 44, 1179-1194.	3.6	19
604	Vibration and Stability of an Axially Moving Beam on Elastic Foundation. Advances in Structural Engineering, 2010, 13, 241-247.	1.2	19
605	Structural stability of carbon nanosprings. Carbon, 2011, 49, 4688-4694.	5.4	19
606	On the Self-extinction Time of Pool Fire in Closed Compartments. Procedia Engineering, 2013, 62, 266-274.	1.2	19
607	Characterization of thermal decomposition behavior of commercial flame-retardant ethyleneâ€“propyleneâ€“diene monomer (EPDM) rubber. Journal of Thermal Analysis and Calorimetry, 2015, 122, 449-461.	2.0	19
608	Modeling the interfacial behavior of carbon nanotube fiber/polyethylene composites by molecular dynamics approach. Computational Materials Science, 2016, 114, 189-198.	1.4	19
609	An octo-generator for energy harvesting based on the piezoelectric effect. Applied Ocean Research, 2017, 64, 128-134.	1.8	19
610	Urchinlike Shells of TiO₂ Hollow Spheres for Improving the Fire Safety of Epoxy Resin. Industrial & Engineering Chemistry Research, 2017, 56, 1341-1348.	1.8	19
611	Bending and vibration behaviors of matrix cracked hybrid laminated plates containing CNTR-FG layers and FRC layers. Composite Structures, 2018, 184, 314-326.	3.1	19
612	Atomistic insights into structure evolution and mechanical property of calcium silicate hydrates influenced by nuclear waste caesium. Journal of Hazardous Materials, 2021, 411, 125033.	6.5	19

#	Article	IF	Citations
613	Synthesis of Ethyl (Diethoxymethyl)phosphinate Derivatives and Their Flame Retardancy in Flexible Polyurethane Foam: Structure-flame Retardancy Relationships. Polymer Degradation and Stability, 2021, 188, 109557.	2.7	19
614	A framework for phase-field modeling of interfacial debonding and frictional slipping in heterogeneous composites. Computer Methods in Applied Mechanics and Engineering, 2021, 382, 113872.	3.4	19
615	The Re2Sn2O7 (ReÂ=ÂNd, Sm, Gd) on the enhancement of fire safety and physical performance of Polyolefin/IFR cable materials. Journal of Colloid and Interface Science, 2022, 608, 1652-1661.	5.0	19
616	Computationally efficient and effective peridynamic model for cracks and fractures in homogeneous and heterogeneous materials. Computer Methods in Applied Mechanics and Engineering, 2022, 399, 115318.	3.4	19
617	Stress intensity factors for two coplanar penny-shaped cracks under uniaxial tension. International Journal of Engineering Science, 1994, 32, 303-311.	2.7	18
618	Free vibration of cantilevered cylinders: effects of cross-sections and cavities. Acta Mechanica, 1995, 113, 37-52.	1.1	18
619	Vibration of arbitrarily laminated plates of general trapezoidal planform. Journal of the Acoustical Society of America, 1996, 100, 3674-3685.	0.5	18
620	VIBRATION OF SYMMETRICALLY LAMINATED THICK SUPER ELLIPTICAL PLATES. Journal of Sound and Vibration, 1999, 220, 659-682.	2.1	18
621	FREE VIBRATION OF SYMMETRICALLY LAMINATED THICK-PERFORATED PLATES. Journal of Sound and Vibration, 2000, 230, 111-132.	2.1	18
622	A semi-analytical solution for vibration of rectangular plates with abrupt thickness variation. International Journal of Solids and Structures, 2001, 38, 4937-4954.	1.3	18
623	Three-dimensional modelling of elastic bonding in composite laminates using layerwise differential quadrature. International Journal of Solids and Structures, 2003, 40, 1745-1764.	1.3	18
624	Relaxation of Peening Residual Stresses Due to Cyclic Thermo-Mechanical Overload. Journal of Engineering Materials and Technology, Transactions of the ASME, 2005, 127, 170-178.	0.8	18
625	Bending analysis of folded plates by the FSDT meshless method. Thin-Walled Structures, 2006, 44, 1138-1160.	2.7	18
626	Energetics and structures of carbon nanorings. Carbon, 2009, 47, 1664-1669.	5.4	18
627	Adsorption of hydrogen atoms onto the exterior wall of carbon nanotubes and their thermodynamics properties. International Journal of Hydrogen Energy, 2010, 35, 4543-4553.	3.8	18
628	Influence of fire location on the thermal performance of glass faÃ§ades. Applied Thermal Engineering, 2016, 106, 438-442.	3.0	18
629	Buckling analysis and buckling control of thin films on shape memory polymer substrate. European Journal of Mechanics, A/Solids, 2017, 66, 356-369.	2.1	18
630	Geometric influence of perforated plate on premixed hydrogen-air flame propagation. International Journal of Hydrogen Energy, 2018, 43, 21572-21581.	3.8	18

#	Article	IF	Citations
631	Thermomechanical buckling characteristic of ultrathin films based on nonlocal elasticity theory. Composites Part B: Engineering, 2018, 153, 184-193.	5.9	18
632	Ultrathin and Mechanically Robust Mussel Byssusâ€Inspired MXene@Aramid Nanofibers Materials with Superior Endurance in Harsh Environments for Tunable EMI Shielding Performance. Advanced Materials Interfaces, 2022, 9, .	1.9	18
633	Flexural vibration of doubly-tapered cylindrical shallow shells. International Journal of Mechanical Sciences, 1994, 36, 547-565.	3.6	17
634	A Higher-Order Theory for Vibration Analysis of Curvilinear Thick Shallow Shells with Constrained Boundaries. JVC/Journal of Vibration and Control, 1995, 1, 15-39.	1.5	17
635	Modeling the vibration of a variable thickness ellipsoidal dish with central point clamp or concentric surface clamp. Journal of the Acoustical Society of America, 1996, 99, 362-372.	0.5	17
636	Vibration of Plates Having Orthogonal Straight Edges with Clamped Boundaries. Journal of Engineering Mechanics - ASCE, 1998, 124, 184-192.	1.6	17
637	Energy Conversion in Shape Memory Alloy Heat Engine Part I: Theory. Journal of Intelligent Material Systems and Structures, 2001, 12, 127-132.	1.4	17
638	Electrical characterisation of RF capacitive microswitch. Sensors and Actuators A: Physical, 2003, 102, 296-310.	2.0	17
639	Theoretical studies of the stretching behavior of carbon nanowires and their superplasticity. Scripta Materialia, 2008, 59, 479-482.	2.6	17
640	Effect of Graphene on the Fire and Mechanical Performances of Glass Fiber-Reinforced Polyamide 6 Composites Containing Aluminum Hypophosphite. Polymer-Plastics Technology and Engineering, 2014, 53, 1467-1475.	1.9	17
641	Effect of higher-order deformation gradients on buckling of single-walled carbon nanotubes. Composite Structures, 2014, 109, 279-285.	3.1	17
642	A mesh-free computational framework for predicting vibration behaviors of microtubules in an elastic medium. Composite Structures, 2016, 149, 41-53.	3.1	17
643	Cohesive laws for van der Waals interactions of super carbon nanotube/polymer composites. Mechanics Research Communications, 2016, 72, 33-40.	1.0	17
644	Characterizing nonlinear vibration behavior of bilayer graphene thin films. Composites Part B: Engineering, 2018, 145, 197-205.	5.9	17
645	Treatments of over-restrained boundaries for doubly connected plates of arbitrary shape in vibration analysis. International Journal of Solids and Structures, 1993, 30, 337-347.	1.3	16
646	Research developments in analyses of plates and shells. Journal of Constructional Steel Research, 1993, 26, 231-248.	1.7	16
647	Stability of Skew Mindlin Plates under Isotropic Inâ€Plane Pressure. Journal of Engineering Mechanics - ASCE, 1993, 119, 393-401.	1.6	16
648	Analysis of Moderately Thick Circular Plates Using Differential Quadrature Method. Journal of Engineering Mechanics - ASCE, 1997, 123, 1247-1252.	1.6	16

#	Article	IF	Citations
649	Bending Solution for Thick Plates with Quadrangular Boundary. Journal of Engineering Mechanics - ASCE, 1998, 124, 9-17.	1.6	16
650	Vibration of Thick Prismatic Structures With Three-Dimensional Flexibilities. Journal of Applied Mechanics, Transactions ASME, 1998, 65, 619-625.	1.1	16
651	Energy Conversion in Shape Memory Alloy Heat Engine Part II: Simulation. Journal of Intelligent Material Systems and Structures, 2001, 12, 133-140.	1.4	16
652	A screw dislocation interacting with a finite crack in a piezoelectric medium. International Journal of Engineering Science, 2004, 42, 1325-1345.	2.7	16
653	Predicting mechanical properties of carbon nanosprings based on molecular mechanics simulation. Composite Structures, 2014, 114, 41-50.	3.1	16
654	Structure stability and high-temperature distortion resistance of trilayer complexes formed from graphenes and boron nitride nanosheets. Physical Chemistry Chemical Physics, 2014, 16, 88-94.	1.3	16
655	A sensitive interval of imperfect interface parameters based on the analysis of general solution for anisotropic matrix containing an elliptic inhomogeneity. International Journal of Solids and Structures, 2015, 73-74, 67-77.	1.3	16
656	A multiscale computational framework for the analysis of graphene involving geometrical and material nonlinearities. Computer Methods in Applied Mechanics and Engineering, 2016, 310, 208-232.	3.4	16
657	A facile method to prepare reduced graphene oxide with a large pore volume. Materials Letters, 2016, 162, 154-156.	1.3	16
658	A multiscale framework for large deformation modeling of RBC membranes. Computer Methods in Applied Mechanics and Engineering, 2018, 329, 144-167.	3.4	16
659	Initial fuel depth effect on the burning characteristics of thin-layer pool fire in a confined enclosure. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1409-1418.	2.0	16
660	Fire performance of piperazine phytate modified rigid polyurethane foam composites. Polymers for Advanced Technologies, 2021, 32, 4531-4546.	1.6	16
661	Construction of a core-shell structure compound: Ammonium polyphosphate wrapped by rare earth compound to achieve superior smoke and toxic gases suppression for flame retardant flexible polyurethane foam composites. Composites Communications, 2021, 28, 100939.	3.3	16
662	Effects of Arbitrarily Distributed Elastic Point Constraints on Vibrational Behaviour of Rectangular Plates. Journal of Sound and Vibration, 1994, 174, 23-36.	2.1	15
663	Vibration of circular and annular Mindlin plates with internal ring stiffeners. Journal of the Acoustical Society of America, 1996, 100, 3696-3705.	0.5	15
664	Modeling of 3D transversely piezoelectric and elastic bimaterials using the boundary element method. Computational Mechanics, 2002, 29, 151-162.	2.2	15
665	A screw dislocation in a piezoelectric bi-material wedge. International Journal of Engineering Science, 2002, 40, 1665-1685.	2.7	15
666	Numerical study of the three-dimensional wave equation using the mesh-free kp-Ritz method. Engineering Analysis With Boundary Elements, 2013, 37, 977-989.	2.0	15

#	Article	IF	Citations
667	Rectifying performance and negative differential behavior in graphiteâ€"chainâ€"carbon nanotube junctions. Applied Physics Letters, 2014, 104, .	1.5	15
668	An Eco-friendly Way to Improve Flame Retardancy of Cotton Fabrics: Layer-by-Layer Assembly of Semi-biobased Substance. Energy Procedia, 2015, 75, 174-179.	1.8	15
669	Numerical computation of the elastic and mechanical properties of red blood cell membrane using the higher-order Cauchyâ€"Born rule. Applied Mathematics and Computation, 2015, 268, 334-353.	1.4	15
670	A three-dimensional element-free framework for coupled mechanical-diffusion induced nonlinear deformation of polymeric gels using the IMLS-Ritz method. Computer Methods in Applied Mechanics and Engineering, 2015, 296, 232-247.	3.4	15
671	Copper Manganese Oxides Supported on Multi-Walled Carbon Nanotubes as an Efficient Catalyst for Low Temperature CO Oxidation. Catalysis Letters, 2016, 146, 2364-2375.	1.4	15
672	Geometrically nonlinear analysis of arbitrarily straight-sided quadrilateral FGM plates. Composite Structures, 2016, 154, 443-452.	3.1	15
673	Facile synthesis of supported copper manganese oxides catalysts for low temperature CO oxidation in confined spaces. Catalysis Communications, 2017, 99, 1-5.	1.6	15
674	Modeling the postbuckling behavior of thermal-resistant ultrathin films attached to glass substrate. Composite Structures, 2018, 206, 279-287.	3.1	15
675	Hierarchical Ti3C2Tx@BPA@PCL for flexible polyurethane foam capable of anti-compression, self-extinguishing and flame-retardant. Journal of Colloid and Interface Science, 2022, 626, 208-220.	5.0	15
676	A hybrid energy approach for vibrational modelling of laminated trapezoidal plates with point supports. International Journal of Solids and Structures, 1992, 29, 3087-3097.	1.3	14
677	Boundary beam characteristics orthonormal polynomials in energy approach for vibration of symmetric laminates â€" I: Classical boundary conditions. Composite Structures, 1993, 26, 167-184.	3.1	14
678	Vibration of Triangular Plates: Point Supports, Mixed Edges and Partial Internal Curved Supports. Journal of Sound and Vibration, 1994, 172, 527-537.	2.1	14
679	Vibratory characteristics of pretwisted cantilever trapezoids of unsymmetric laminates. AIAA Journal, 1996, 34, 1041-1050.	1.5	14
680	Analysis of dynamic responses of delaminated honeycomb panels. Composite Structures, 1997, 39, 111-121.	3.1	14
681	THREE-DIMENSIONAL VIBRATION ANALYSIS OF SOLID CYLINDERS OF POLYGONAL CROSS-SECTION USING THEp-RITZ METHOD. Journal of Sound and Vibration, 1997, 200, 505-518.	2.1	14
682	Green's functions for anti-plane problems in piezoelectric media with a finite crack. International Journal of Solids and Structures, 2004, 41, 5285-5300.	1.3	14
683	Structures and electronic transport of water molecular nanotubes embedded in carbon nanotubes. Journal of Chemical Physics, 2008, 128, 034707.	1.2	14
684	Preparation and analysis of a flexible curing agent for epoxy resin. Journal of Applied Polymer Science, 2009, 114, 2706-2710.	1.3	14

#	Article	IF	Citations
685	Bending Analysis of Folded Laminated Plates by the FSDT Meshfree Method. Procedia Engineering, 2011, 14, 2714-2721.	1.2	14
686	A local Kriging meshless method for free vibration analysis of functionally graded circular plates in thermal environments. Procedia Engineering, 2012, 31, 1089-1094.	1.2	14
687	On valence electron density, energy dissipation and plasticity of bulk metallic glasses. Journal of Alloys and Compounds, 2013, 577, S56-S65.	2.8	14
688	Diffusion mechanism of platinum nanoclusters on well-aligned carbon nanotubes. RSC Advances, 2014, 4, 60711-60719.	1.7	14
689	Effects of fixing point positions on thermal response of four point-supported glass faÃ§ades. Construction and Building Materials, 2014, 73, 235-246.	3.2	14
690	Thermal performance of exposed framing glass faÃ§ades in fire. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2961-2970.	1.3	14
691	Comparative investigation on combustion property and smoke toxicity of epoxy resin filled with Î±- and Î´-MnO2 nanosheets. Composites Part A: Applied Science and Manufacturing, 2018, 107, 39-46.	3.8	14
692	Sorption-enhanced CO capture over Cu-Mn-Ce composite oxides with LiOH addition: CO oxidation and in-situ CO2 sorption. Chemical Engineering Journal, 2019, 371, 267-275.	6.6	14
693	Controlled self-template synthesis of manganese-based cuprous oxide nanoplates towards improved fire safety properties of epoxy composites. Journal of Hazardous Materials, 2020, 387, 122006.	6.5	14
694	Active control of functionally graded carbon nanotubeâ€“reinforced composite plates with piezoelectric layers subjected to impact loading. JVC/Journal of Vibration and Control, 2020, 26, 581-598.	1.5	14
695	Completeness requirements of shape functions for higher order finite elements. Structural Engineering and Mechanics, 2000, 10, 93-110.	1.0	14
696	A numerical model based on orthogonal plate functions for vibration of ring supported elliptical plates. Computational Mechanics, 1992, 9, 113-120.	2.2	13
697	On The Use Of The Domain Decomposition Method For Vibration Of Symmetric Laminates Having Discontinuities At The Same Edge. Journal of Sound and Vibration, 1994, 178, 243-264.	2.1	13
698	Flexural vibration of polygonal plates: treatments of sharp re-entrant corners. Journal of Sound and Vibration, 1995, 183, 221-238.	2.1	13
699	Modeling threeâ€dimensional vibration of elliptic bars. Journal of the Acoustical Society of America, 1995, 98, 1518-1526.	0.5	13
700	Reflection of plate waves at the fixed edge of a composite plate. Journal of the Acoustical Society of America, 1995, 98, 644-651.	0.5	13
701	Comparative Accuracy of Shallow and Deep Shell Theories for Vibration of Cylindrical Shells. JVC/Journal of Vibration and Control, 1997, 3, 119-143.	1.5	13
702	Boundary elements for halfâ€space problems via fundamental solutions: A threeâ€dimensional analysis. International Journal for Numerical Methods in Engineering, 2001, 52, 1189-1202.	1.5	13

#	Article	IF	Citations
703	The transient response of bonded piezoelectric and elastic half space with multiple interfacial collinear cracks. Acta Mechanica, 2002, 159, 11-27.	1.1	13
704	Crystallization behavior of polypropylene/polyamide 6/montmorillonite nanocomposites. Polymer International, 2010, 59, 1303-1309.	1.6	13
705	Length dependence of carbon-doped BN nanowires: A-D Rectification and a route to potential molecular devices. Journal of Applied Physics, 2013, 113, 054305.	1.1	13
706	Self-densified microstructure and enhanced properties of carbon nanotube fiber by infiltrating polymer. Carbon, 2016, 106, 188-194.	5.4	13
707	Pulsating behaviors of flame spread across n -butanol fuel surface. Applied Thermal Engineering, 2017, 112, 1445-1451.	3.0	13
708	Determination of critical breakage conditions for double glazing in fire. Applied Thermal Engineering, 2017, 111, 20-29.	3.0	13
709	Characterization of ignition and combustion characteristics of phenolic fiber-reinforced plastic with different thicknesses. Journal of Thermal Analysis and Calorimetry, 2020, 140, 645-655.	2.0	13
710	New insights into diffusion and reaction of CO2 gas in recycled aggregate concrete. Cement and Concrete Composites, 2022, 129, 104486.	4.6	13
711	Frequency solutions for circular plates with internal supports and discontinuous boundaries. International Journal of Mechanical Sciences, 1992, 34, 511-520.	3.6	12
712	Buckling of triangular Mindlin plates under isotropic inplane compression. Acta Mechanica, 1994, 102, 123-135.	1.1	12
713	Navier's solution for laminated plate buckling with prebuckling in-plane deformation. International Journal of Solids and Structures, 1996, 33, 1921-1937.	1.3	12
714	Vibration of Thick Doubly-Curved Stress Free Shallow Shells of Curvilinear Planform. Journal of Engineering Mechanics - ASCE, 1997, 123, 413-421.	1.6	12
715	Strongly coupled simulation of fluidâ€“structure interaction in a Francis hydroturbine. International Journal for Numerical Methods in Fluids, 2009, 60, 515-538.	0.9	12
716	Possibility of driving water molecules along a single-walled carbon nanotube using methane molecules. Carbon, 2010, 48, 417-423.	5.4	12
717	Modeling the Instability of Carbon Nanotubes: From Continuum Mechanics to Molecular Dynamics. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	12
718	Controllable synthesis of multi-layer graphene flakes and multi-wall carbon nanotubes from pyrolyzing biodegradable poly(butylene succinate) composites. Materials Letters, 2011, 65, 2707-2710.	1.3	12
719	Analysis of Compartment Fires with a Ceiling Vent. Procedia Engineering, 2013, 62, 258-265.	1.2	12
720	A Simplified Mathematical Model for Predicting the Vertical Temperature Profiles in Enclosure Fires Without Vertical Opening. Fire Technology, 2014, 50, 929-943.	1.5	12

#	Article	IF	Citations
721	A Comparative Study of Supported and Bulk Cuâ€“Mnâ€“Ce Composite Oxide Catalysts for Low-Temperature CO Oxidation. Catalysis Letters, 2018, 148, 2348-2358.	1.4	12
722	Characterization of thermal decomposition and combustion for commercial flame-retardant rubber floor cloth in TGâ€“FTIR and FPA. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3453-3461.	2.0	12
723	Effects of boundary constraints and thickness variations on the vibratory response of rectangular plates. Thin-Walled Structures, 1993, 17, 133-159.	2.7	11
724	The Free Flexural Vibration of Symmetric Angle-Ply Triangular Composite Laminates. Journal of Sound and Vibration, 1994, 169, 633-654.	2.1	11
725	Vibratory behaviour of delaminated honeycomb structures: A 3-D finite element modelling. Computers and Structures, 1995, 55, 773-788.	2.4	11
726	The Influence of Thermoplastic Film Interleaving on the Interlaminar Shear Strength and Mode I Fracture of Laminated Composites. Journal of Engineering Materials and Technology, Transactions of the ASME, 1996, 118, 302-309.	0.8	11
727	Dynamic Characteristics of Elastic Bonding in Composite Laminates: A Free Vibration Study. Journal of Applied Mechanics, Transactions ASME, 2003, 70, 860-870.	1.1	11
728	Simulation-based Virtual Prototyping of Customized Catheterization Devices. Journal of Computing and Information Science in Engineering, 2004, 4, 132-139.	1.7	11
729	Describing the Morphology of2HMartensite Using Group Theory Part I: Theory. Mechanics of Advanced Materials and Structures, 2004, 11, 197-225.	1.5	11
730	EBSD characterization of cavitation during superplastic deformation of Alâ€“Li alloy. Journal of Materials Processing Technology, 2005, 162-163, 429-434.	3.1	11
731	Meshfree modelling and characterisation of thermomechanical behaviour of NiTi alloys. Engineering Analysis With Boundary Elements, 2005, 29, 29-40.	2.0	11
732	Theoretical study of hierarchical structures and heredity effect of silicon solidifying on carbon nanotube. Applied Physics Letters, 2009, 95, 063106.	1.5	11
733	Size- and shape-dependent effective properties of single-walled super carbon nanotubes via a generalized molecular structure mechanics method. Computational Materials Science, 2012, 61, 27-33.	1.4	11
734	A mathematical analysis of DNA damage induced G2 phase transition. Applied Mathematics and Computation, 2013, 225, 765-774.	1.4	11
735	Reinforcement of organo-modified molybdenum disulfide nanosheets on the mechanical and thermal properties of polyurethane acrylate films. Composites Science and Technology, 2016, 137, 188-195.	3.8	11
736	Mechanism for increased thermal instability and fire risk of graphite oxide containing metal salts. Materials Letters, 2016, 167, 197-200.	1.3	11
737	A multiscale Cauchyâ€“Born meshfree model for deformability of red blood cells parasitized by Plasmodium falciparum. Journal of the Mechanics and Physics of Solids, 2017, 101, 268-284.	2.3	11
738	Influence of zinc stannate and graphene hybrids on reducing the toxic gases and fire hazards during epoxy resin combustion. Polymers for Advanced Technologies, 2019, 30, 666-674.	1.6	11

#	Article	IF	Citations
739	Smoothed particle hydrodynamics modeling of the thermal behavior of double skin facades in fires considering the effects of venetian blinds. Applied Mathematical Modelling, 2020, 84, 357-376.	2.2	11
740	A phase-field thermomechanical framework for modeling failure and crack evolution in glass panes under fire. Computer Methods in Applied Mechanics and Engineering, 2021, 385, 114068.	3.4	11
741	Two-dimensional orthogonal polynomials for vibration of rectangular composite plates. Composite Structures, 1989, 13, 239-250.	3.1	10
742	Transverse vibration of thick rectangular platesâ€"III. Effects of multiple eccentric internal ring supports. Computers and Structures, 1993, 49, 59-67.	2.4	10
743	Dynamics of flexible multibody systems using loaded-interface substructure synthesis approach. Computational Mechanics, 1994, 15, 270-283.	2.2	10
744	Vibration of Triangular Mindlin Plates Subject to Isotropic In-Plane Stresses. Journal of Vibration and Acoustics, Transactions of the ASME, 1994, 116, 61-66.	1.0	10
745	The Lyapunov exponent for a codimension two bifurcation system that is driven by a real noise. International Journal of Non-Linear Mechanics, 2003, 38, 1495-1511.	1.4	10
746	A piezoelectric screw dislocation near a wedge-shaped bi-material interface. International Journal of Solids and Structures, 2003, 40, 2041-2056.	1.3	10
747	The Maximal Lyapunov Exponent for a Three-Dimensional Stochastic System. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 677-690.	1.1	10
748	Stretching behavior of a carbon nanowire encapsulated in a carbon nanotube. Scripta Materialia, 2009, 60, 129-132.	2.6	10
749	Vibration Properties of Single Walled Carbon Nanotubesâ€"A Comparison Between the Atomistic Simulations and Continuum Shell Modelling. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1400-1406.	0.4	10
750	A Precise Model to Predict the Structural and Elastic Properties of Single-Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2010, 7, 583-593.	0.4	10
751	Lamellar nanostructures of silicon heterogeneously solidified on graphite sheets. Applied Physics Letters, 2010, 96, 163113.	1.5	10
752	Preparation of layered graphitic carbon nitride/montmorillonite nanohybrids for improving thermal stability of sodium alginate nanocomposites. RSC Advances, 2015, 5, 11761-11765.	1.7	10
753	An accurate improved complex variable element-free method for numerical solutions of elastodynamic problems. Engineering Analysis With Boundary Elements, 2015, 50, 304-312.	2.0	10
754	Atomisticâ€"continuum model for probing the biomechanical properties of human erythrocyte membrane under extreme conditions. Computer Methods in Applied Mechanics and Engineering, 2017, 325, 22-36.	3.4	10
755	Experimental study of commercial flame-retardant polycarbonate under external heat flux. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1463-1470.	2.0	10
756	A Fully Coupled Chemomechanical Formulation With Chemical Reaction Implemented by Finite Element Method. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	1.1	10

#	Article	IF	Citations
757	Modeling glass cooling mechanism with down-flowing water film via the smoothed particle hydrodynamics. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112839.	3.4	10
758	Laminar burning velocities of 2-methyltetrahydrofuran at elevated pressures. Proceedings of the Combustion Institute, 2021, 38, 2175-2183.	2.4	10
759	Applications of GO/OAâ€POSS Layerâ€byâ€Layer selfâ€assembly nanocoating on flame retardancy and smoke suppression of flexible polyurethane foam. Polymers for Advanced Technologies, 2021, 32, 4516-4530.	1.6	10
760	A collaborative emergency decision making approach based on BWM and TODIM under interval 2-tuple linguistic environment. International Journal of Machine Learning and Cybernetics, 2022, 13, 383-405.	2.3	10
761	Buckling of Columns with Overhang. Journal of Engineering Mechanics - ASCE, 1991, 117, 2492-2502.	1.6	9
762	Transverse Vibration of Solid Circular Plates Continuous Over Multiple Concentric Annular Supports. Journal of Applied Mechanics, Transactions ASME, 1993, 60, 208-210.	1.1	9
763	Flexural Vibration Of Skew Mindlin Plates With Oblique Internal Line Supports. Journal of Sound and Vibration, 1994, 178, 535-551.	2.1	9
764	Micromechanics analysis of crazing phenomenon in polymers. Journal of Materials Processing Technology, 1995, 48, 437-443.	3.1	9
765	Dynamic characteristics of disbonds in honeycomb structures. Engineering Structures, 1995, 17, 27-38.	2.6	9
766	Vibration studies on moderately thick doubly-curved elliptic shallow shells. Acta Mechanica, 1996, 116, 83-96.	1.1	9
767	Vibration of moderately thick cylindrical shallow shells. Journal of the Acoustical Society of America, 1996, 100, 3665-3673.	0.5	9
768	NONLINEAR FE ANALYSIS OF THE HYSTERESIS BEHAVIOR OF SMA. International Journal of Computational Engineering Science, 2001, 02, 621-632.	0.1	9
769	Analysis of fracture nucleation in carbon nanotubes through atomistic-based continuum theory. Physical Review B, 2005, 71, .	1.1	9
770	Vent Size Effect on Self-extinction of Pool Fire in a Ceiling Vented Compartment. Procedia Engineering, 2013, 62, 242-249.	1.2	9
771	Vent Location Impacts on Building Compartment Fire under Natural Roof Ventilation. APCBEE Procedia, 2014, 9, 360-364.	0.5	9
772	Effects of grafted carboxyl groups on structural stability and elastic properties of graphene. Materials Chemistry and Physics, 2014, 145, 313-319.	2.0	9
773	Variational analysis for angle-ply laminates with matrix cracks. International Journal of Solids and Structures, 2014, 51, 3669-3678.	1.3	9
774	Analysis of macromolecular microtubules using the potential-based matrix displacement method. Composite Structures, 2015, 127, 224-230.	3.1	9

#	Article	IF	Citations
775	Experimental study on fire response of double glazed panels in curtain walls. Fire Safety Journal, 2017, 92, 53-63.	1.4	9
776	Precursor Effects on Catalytic Behaviors of Copperâ€“Manganeseâ€“Cerium Ternary Oxides Pellets for Low-Temperature CO Oxidation. Catalysis Letters, 2020, 150, 979-991.	1.4	9
777	Influence of high atmospheric pressure on flame spread over electric wire at different inclinations. Chemical Engineering Research and Design, 2020, 136, 66-75.	2.7	9
778	A cyclic plastic-damage multiphase model for evaluation of multiple cracking in strain hardening cementitious composites. Journal of the Mechanics and Physics of Solids, 2022, 158, 104692.	2.3	9
779	Optimal pretensioned forces for cable networks. Computers and Structures, 1989, 33, 1349-1354.	2.4	8
780	Optimal locations of internal line supports for rectangular plates against buckling. Structural Optimization, 1992, 4, 199-205.	0.7	8
781	Determination of stress field in an elastic solid weakened by parallel penny-shaped cracks. Acta Mechanica, 1996, 114, 83-94.	1.1	8
782	Vibration of unsymmetrically laminated thick quadrilateral plates. Journal of the Acoustical Society of America, 1999, 105, 1672-1681.	0.5	8
783	Evolutionary Optimization and Use of Neural Network for Optimum Stamping Process Design for Minimum Springback. Journal of Computing and Information Science in Engineering, 2002, 2, 38-44.	1.7	8
784	On the almost-sure stability condition for a co-dimension two-bifurcation system under the parametric excitation of a real noise. Journal of Sound and Vibration, 2004, 272, 85-107.	2.1	8
785	Unified electrical boundary conditions for a crack interacting with a dislocation in piezoelectric media. International Journal of Solids and Structures, 2005, 42, 5118-5128.	1.3	8
786	Coupling ofab initiodensity functional theory and molecular dynamics for the multiscale modeling of carbon nanotubes. Nanotechnology, 2008, 19, 055702.	1.3	8
787	Analysis of Symmetrically Laminated Folded Plate Structures Using the Meshfree Galerkin Method. Mechanics of Advanced Materials and Structures, 2009, 16, 69-81.	1.5	8
788	Interface Enhancement of Glass Fiber/Vinyl Ester Composites with Carbon Nanotubes Synthesized from Ethanol Flames. Journal of Nanoscience and Nanotechnology, 2010, 10, 948-955.	0.9	8
789	Study of fullerene-containing epoxy membranes with tunable ultraviolet light-filtering properties. Progress in Organic Coatings, 2010, 67, 398-404.	1.9	8
790	Torsional Response of C₆₀ Fullerenes Encapsulated Boronâ^'Nitride Nanotubes. Journal of Physical Chemistry C, 2010, 114, 11421-11424.	1.5	8
791	Formation and Compressing Behavior of Coaxial Silicon Nanowires inside a Boron Nitride Nanotube. Journal of Physical Chemistry C, 2011, 115, 431-435.	1.5	8
792	Wavelet-based method for stability analysis of vibration control systems with multiple delays. Computational Mechanics, 2011, 47, 161-170.	2.2	8

#	Article	IF	Citations
793	Deformation effects of multi-functional monatomic carbon ring device. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2234-2238.	0.9	8
794	An investigation of horizontal opening effect on pool fire behavior in a confined compartment: A study based on global equivalence ratio. Journal of Fire Sciences, 2016, 34, 13-29.	0.9	8
795	Pyrolysis characteristic study on seat hard materials of Chinaâ€™s high-speed train. Journal of Thermal Analysis and Calorimetry, 2018, 134, 2107-2113.	2.0	8
796	Multiscale modeling of crystal plastic deformation of polycrystalline titanium at high temperatures. Computer Methods in Applied Mechanics and Engineering, 2018, 340, 932-955.	3.4	8
797	Rapid electrothermal response and excellent flame retardancy of ethyleneâ€vinyl acetate electrothermal film. Polymers for Advanced Technologies, 2020, 31, 1088-1098.	1.6	8
798	Effects of diluents on laminar burning velocity and cellular instability of 2-methyltetrahydrofuran-air flames. Fuel, 2022, 308, 121974.	3.4	8
799	Vibration analysis of a strain gradient plate model via a mesh-free moving Kriging Interpolation Method. Engineering Analysis With Boundary Elements, 2022, 135, 156-166.	2.0	8
800	Cleaner production to a multifunctional polyurethane sponge with high fire safety and low toxicity release. Journal of Cleaner Production, 2022, 333, 130172.	4.6	8
801	Laminar burning velocity and cellular instability of 2-butanone-air flames at elevated pressures. Fuel, 2022, 316, 123390.	3.4	8
802	Vibrational response of symmetrically laminated trapezoidal composite plates with point constraints. International Journal of Solids and Structures, 1992, 29, 1535-1547.	1.3	7
803	Research on elastic buckling of columns, beam and plates: Focussing on formulas and design charts. Journal of Constructional Steel Research, 1993, 26, 211-230.	1.7	7
804	Numerical evaluation of frequency responses for delaminated honeycomb structures. Computers and Structures, 1995, 55, 191-203.	2.4	7
805	Influence of cavity boundary conditions on the effective electroelastic moduli of piezoelectric ceramic with cavities. Mechanics Research Communications, 1999, 26, 229-238.	1.0	7
806	Optimal stress sampling points of plane triangular elements for patch recovery of nodal stresses. International Journal for Numerical Methods in Engineering, 2003, 58, 579-607.	1.5	7
807	Describing the Morphology of 2HMartensite Using Group Theory Part II: Case Study. Mechanics of Advanced Materials and Structures, 2004, 11, 227-248.	1.5	7
808	Maximal Lyapunov exponent of a co-dimension two bifurcation system excited by a white noise. International Journal of Non-Linear Mechanics, 2005, 40, 653-668.	1.4	7
809	Nonlinear local bending of FGM sandwich plates. Journal of Mechanics of Materials and Structures, 2008, 3, 1977-1992.	0.4	7
810	High-Temperature Thermal Stability and In-Plane Compressive Properties of a Graphene and a Boron-Nitride Nanosheet. Journal of Nanoscience and Nanotechnology, 2012, 12, 2617-2624.	0.9	7

#	Article	IF	Citations
811	Influence of hydroxyl groups on the adsorption of HCHO on TiO2-B(100) surface by first-principles study. Physical Chemistry Chemical Physics, 2013, 15, 3866.	1.3	7
812	A Regulatory Network of G2/M Phase Transition for DNA Damage. Applied Mechanics and Materials, 2013, 444-445, 1182-1186.	0.2	7
813	Design of 3D carbon nanotube-based nanostructures and prediction of their extra-strong mechanical properties under tension and compression. Computational Materials Science, 2014, 85, 324-331.	1.4	7
814	Numerical solution of nonlinear Kleinâ€“Gordon equation using the element-free kp-Ritz method. Applied Mathematical Modelling, 2015, 39, 2917-2928.	2.2	7
815	Ionic Adsorption and Desorption of CNT Nanoropes. Nanomaterials, 2016, 6, 177.	1.9	7
816	A three-dimensional quasicontinuum approach for predicting biomechanical properties of malaria-infected red blood cell membrane. Applied Mathematical Modelling, 2017, 49, 35-47.	2.2	7
817	A â€œfullerene-carbon nanotubeâ€•structure with tunable mechanical properties. Europhysics Letters, 2018, 121, 56001.	0.7	7
818	Improved Element-Free Galerkin method (IEFG) for solving three-dimensional elasticity problems. Interaction and Multiscale Mechanics, 2010, 3, 123-143.	0.4	7
819	Effects of Sample Width and Sidewalls on Downward Flame Spread over XPS Slabs. Fire Safety Science, 2014, 11, 234-247.	0.3	7
820	Adaptive particle refinement strategies in smoothed particle hydrodynamics. Computer Methods in Applied Mechanics and Engineering, 2022, 389, 114276.	3.4	7
821	Optimization of Internal Line Support Positions for Plates Against Vibrationâ^—. Mechanics Based Design of Structures and Machines, 1993, 21, 429-454.	0.6	6
822	Experimental detection of disbonds and delamination in honeycomb structures. Engineering Fracture Mechanics, 1994, 47, 723-741.	2.0	6
823	Effects of general laminations and boundary constraints on vibration of composite shallow shells. Composites Part B: Engineering, 1996, 27, 155-171.	5.9	6
824	Elastic fields in two-joined half-spaces subject to point force and uniform ring loads. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 3749-3769.	3.4	6
825	New superconvergent points of the 8-node serendipity plane element for patch recovery. International Journal for Numerical Methods in Engineering, 2002, 54, 1103-1130.	1.5	6
826	Leader identification and leader selection: its effect on a swarm?s performance for multi-objective design optimization problems. Structural and Multidisciplinary Optimization, 2004, 28, 156.	1.7	6
827	Theory of phase transformation and reorientation in single crystalline shape memory alloys. Smart Materials and Structures, 2008, 17, 015041.	1.8	6
828	Spiral nucleation of silicon solidified on heterogeneous surface of carbon nanocones. Applied Physics Letters, 2009, 95, 183101.	1.5	6

#	Article	IF	Citations
829	The Effects of Grafted Carboxyl Groups on the Elastic Properties of Single-Walled Boron Nitride Nanotubes. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1878-1884.	0.4	6
830	Power-law scaling of dynamical and structural signatures in liquid metallic nano-film. Europhysics Letters, 2011, 96, 46005.	0.7	6
831	Structural evolution of Ti50Cu50 on rapid cooling by molecular dynamics simulation. Applied Physics A: Materials Science and Processing, 2012, 106, 597-605.	1.1	6
832	The role of F-dopants in adsorption of gases on anatase TiO2 (001) surface: a first-principles study. RSC Advances, 2014, 4, 35928-35942.	1.7	6
833	An ABAQUS implementation of electrochemomechanical theory for mixed ionic electronic conductors. Solid State Ionics, 2018, 319, 34-45.	1.3	6
834	Cu-Mn-Ce ternary oxide catalyst coupled with KOH sorbent for air pollution control in confined space. Journal of Hazardous Materials, 2020, 389, 121946.	6.5	6
835	A meshfree analysis of the thermal behaviors of hot surface glass pane subjects to down-flowing water film via smoothed particle hydrodynamics. Engineering Analysis With Boundary Elements, 2020, 120, 195-210.	2.0	6
836	The coupling of complex variable-reproducing kernel particle method and finite element method for two-dimensional potential problems. Interaction and Multiscale Mechanics, 2010, 3, 277-298.	0.4	6
837	Authors' reply: Vibration of skew plates by the Rayleigh-Ritz method. Journal of Sound and Vibration, 1992, 153, 535-536.	2.1	5
838	Flexural Vibration of In-Plane Loaded Plates with Straight Line/Curved Internal Supports. Journal of Vibration and Acoustics, Transactions of the ASME, 1993, 115, 441-447.	1.0	5
839	Vibration Analysis of Arbitrary Quadrilateral Unsymmetrically Laminated Thick Plates. AIAA Journal, 1997, 35, 1251-1253.	1.5	5
840	VHF enhancement of micromechanical resonator via structural modification. Sensors and Actuators A: Physical, 2002, 96, 67-77.	2.0	5
841	Three-dimensional piezoelectric boundary element analysis of transversely isotropic half-space. Computational Mechanics, 2003, 32, 29-39.	2.2	5
842	A variant of the subspace iteration algorithm for generalized eigenproblems. International Journal for Numerical Methods in Engineering, 2003, 57, 2027-2042.	1.5	5
843	To simulate the behavior of shape memory alloys under thermomechanical cycling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 365, 298-301.	2.6	5
844	A dislocation interacts with a finite crack in piezoelectric media. International Journal of Engineering Science, 2005, 43, 1206-1222.	2.7	5
845	An efficient parallel computation of unsteady incompressible viscous flow with elastic moving and compliant boundaries on unstructured grids. International Journal for Numerical Methods in Engineering, 2005, 64, 2072-2104.	1.5	5
846	Structures of water molecular nanotube induced by axial tensile strains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6288-6293.	0.9	5

#	Article	IF	Citations
847	Buckling Behavior of Armchair and Zigzag Carbon Nanorings. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2049-2053.	0.4	5
848	A Multiscale Model to Predict the Elastic Property of Microtubules. Journal of Computational and Theoretical Nanoscience, 2012, 9, 789-793.	0.4	5
849	The first-principles study of oscillating rectifying performance in nanoribbon-chain-carbon nanotube junctions. Applied Physics Letters, 2013, 102, 203106.	1.5	5
850	Mathematical modeling of p53 pulses in G2 phase with DNA damage. Applied Mathematics and Computation, 2014, 232, 1000-1010.	1.4	5
851	Thermal properties of metallic glasses: Heating rate dependence and their correlation. Materials Letters, 2014, 126, 81-84.	1.3	5
852	A mathematical study of the robustness of G2/M regulatory network in response to DNA damage with parameters sensitivity. Applied Mathematics and Computation, 2014, 232, 365-374.	1.4	5
853	Meshfree simulation of temperature effects on the mechanical behaviors of microtubules. Engineering Analysis With Boundary Elements, 2016, 69, 104-118.	2.0	5
854	Structural stability and deformation resistant analysis of borophene and graphene-filled calcium silicate for cement-based materials. Computational Materials Science, 2017, 133, 130-136.	1.4	5
855	Numerical study of smart honeycomb core using shape memory polymers. Journal of Applied Polymer Science, 2018, 135, 45672.	1.3	5
856	Investigation of intelligent reversible diaphragm using shape memory polymers. Journal of Intelligent Material Systems and Structures, 2018, 29, 1500-1509.	1.4	5
857	Effect carbon black microencapsulated ammonium polyphosphate on the flame retardancy and mechanical properties of polyurethane composites. Polymer-Plastics Technology and Materials, 2020, 59, 83-94.	0.6	5
858	An investigation of flame tilt transition inside the compartment with horizontal opening in cross wind. Proceedings of the Combustion Institute, 2021, 38, 4543-4550.	2.4	5
859	Effects of graphene nanosheets decorated by cerium stannate on the enhancement of flame retardancy and mechanical performances of flexible polyurethane foam composites. Polymers for Advanced Technologies, 2022, 33, 290-302.	1.6	5
860	Application of Trefftz theory in thin-plate buckling with in-plane pre-buckling deformations. International Journal of Mechanical Sciences, 1992, 34, 681-688.	3.6	4
861	Buckling of Elliptical Plates under Uniform Pressure. Journal of Structural Engineering, 1993, 119, 3418-3425.	1.7	4
862	Author's Replay. Journal of Sound and Vibration, 1994, 170, 412.	2.1	4
863	Lyapunov exponents for two nonlinear systems driven by real noises. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2002, 458, 2705-2719.	1.0	4
864	Publisher's Note: Modeling of fracture of carbon nanotubes with vacancy defect [Phys. Rev. B75, 201405 (2007)]. Physical Review B, 2007, 75, .	1.1	4

#	Article	IF	Citations
865	Analysis of Grain Growth during Superplastic Deformation. Mechanics of Advanced Materials and Structures, 2007, 14, 541-547.	1.5	4
866	Using Model of Strain Gradient Membrane Shell to Characterize Longitudinal Wave Dispersion in Multi-Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1980-1988.	0.4	4
867	Reconstruction Properties of a Single Vacancy in Zigzag Carbon Nanotubes and Their Effects on Elastic Properties. Journal of Computational and Theoretical Nanoscience, 2009, 6, 2209-2216.	0.4	4
868	Analyzing interaction between coplanar square cracks using an efficient boundary elementâ€free method. International Journal for Numerical Methods in Engineering, 2012, 91, 1184-1198.	1.5	4
869	Multiscale Meshfree Analysis of the Effects of Thermal Treatments on Deformability of Red Blood Cell Membrane. , 2016, , .		4
870	Modeling of thermo-mechanical fracture behaviors based on cohesive segments formulation. Engineering Analysis With Boundary Elements, 2017, 77, 81-88.	2.0	4
871	Combustion Characteristic of Commercial Flame-Retardant Natural Rubber Under Low Oxygen Atmosphere. Fire Technology, 2019, 55, 1691-1705.	1.5	4
872	Experimental study on flame spread along fuel cylinders in high pressures. Fire and Materials, 2019, 43, 1022-1030.	0.9	4
873	Structural Stability and High Temperature Tolerance of Bilayer Nanoribbons Composited with Graphene and Borophene#. Current Nanoscience, 2016, 12, 636-644.	0.7	4
874	The use of curvilinear fibers for enhancement of progressive failure performance of perforated composite panels. Composite Structures, 2022, 288, 115424.	3.1	4
875	Stress intensity factors of two internal elliptical cracks in three-dimensional solid. Engineering Fracture Mechanics, 1995, 50, 431-441.	2.0	3
876	MODELING AND MOTION CONTROL OF ROBOTIC HAND FOR TELEMANIPULATION APPLICATION. International Journal of Software Engineering and Knowledge Engineering, 2005, 15, 147-152.	0.6	3
877	A grid-based mobile agent collaborative virtual environment. , 2005, , .		3
878	Methane Molecules Drive Water Molecules along Diameter-Gradient SWCNTs with Junctions. Journal of Physical Chemistry B, 2010, 114, 8676-8679.	1.2	3
879	Carbon nanotube seeded silicon crystal growth. Journal of Applied Physics, 2011, 110, 014307.	1.1	3
880	Growth of graphite spheres in liquid nickel. Carbon, 2011, 49, 3953-3957.	5.4	3
881	Preface of International Conference on Advances in Computational Modeling and Simulation 2011 (ACMS 2011). Procedia Engineering, 2012, 31, 1-2.	1.2	3
882	Internal friction characteristic and analysis of in-plane natural frequency of trilayer complexes formed from graphenes and boron nitride nanosheets. RSC Advances, 2014, 4, 45425-45432.	1.7	3

#	Article	IF	Citations
883	Numerical modeling of biomechanical responses of healthy red blood cell membrane under various loading conditions using a 3D quasicontinuum approach. , 2016, , .		3
884	Finite element-holography-influence coefficient based method for more accurate vibration studies. Computers and Structures, 1989, 33, 593-600.	2.4	2
885	Closure to â€œStability of Skew Mindlin Plates under Isotropic Inâ€Plane Pressureâ€•by C. M. Wang, S. Kitipornchai, Y. Xiang, and K. M. Liew (February, 1993, Vol. 119, No. 2). Journal of Engineering Mechanics - ASCE, 1994, 120, 2247-2249.	1.6	2
886	A discrete element model for vibration analysis of mixed edge plates. Finite Elements in Analysis and Design, 1994, 18, 319-328.	1.7	2
887	Benchmark vibration solutions for regular polygonal Mindlin plates. Journal of the Acoustical Society of America, 1995, 97, 2866-2871.	0.5	2
888	Vibration characteristics of cantilevered thick cylindrical shallow shells. AIAA Journal, 1996, 34, 2451-2453.	1.5	2
889	Acousto-Ultrasonic Characteristics for Contact-Type Transducers Coupled to Timoshenko Beam. AIAA Journal, 1998, 36, 638-644.	1.5	2
890	Finite Element Modeling of Superplastic Sheet Metal Forming for Cavity Sensitive Materials. Journal of Engineering Materials and Technology, Transactions of the ASME, 2003, 125, 256-259.	0.8	2
891	Mesh-free methods for buckling analysis of stiffened and corrugated plates. , 2006, , 80-116.		2
892	COMPUTATIONAL STUDY OF TENSILE DEFORMATION OF A CONSTRAINED NANOSCALE METALLIC GLASS. International Journal of Modern Physics B, 2010, 24, 305-310.	1.0	2
893	Position effects of single vacancy on transport properties of single layer armchair h-BNC heterostructure. Physical Chemistry Chemical Physics, 2012, 14, 11478.	1.3	2
894	Rectifying performance and negative differential resistance behavior in graphite-chain-nanoribbon junctions. Europhysics Letters, 2013, 101, 68005.	0.7	2
895	Simulation of Pedestrian Flow on Floor-Stair Interface Using an Extended Lattice Gas Model. Applied Mechanics and Materials, 2013, 444-445, 1550-1554.	0.2	2
896	PREDICTED MECHANICAL PROPERTIES OF CARBON NANOTUBE-BASED STRUCTURES. International Journal of Applied Mechanics, 2014, 06, 1450027.	1.3	2
897	First-principles study of rectifying and switching behavior for different contact positions between sulfur-terminated armchair graphene nanoribbons junctions. Europhysics Letters, 2014, 105, 58005.	0.7	2
898	Preliminary Experimental Study of Horizontal Opening Effect on Pool Fire Behavior. Energy Procedia, 2015, 66, 181-184.	1.8	2
899	Arrangements of Carbon-Based Structures. , 2017, , 411-442.		2
900	The stress field and intensity factor due to a craze formed at the equator of a spherical inhomogeneity. Mechanics of Materials, 1993, 14, 301-312.	1.7	1

#	Article	IF	Citations
901	Elastic Buckling of Radially Loaded Circular Plates on Nonaxisymmetric Internal Supportsâˆ—. Mechanics Based Design of Structures and Machines, 1993, 21, 545-554.	0.6	1
902	Interaction between a spherical inhomogeneity and two symmetrically placed penny-shaped cracks. International Journal of Fracture, 1995, 70, 305-320.	1.1	1
903	Analysis of acousto-ultrasonic characteristics for an isotropic thin plate. Journal of the Acoustical Society of America, 1999, 105, 3318-3325.	0.5	1
904	Sheet Forming Analysis Based on Improved Contact Searching Algorithm and Simple Approach for Contact Force Evaluation. Journal of Engineering Materials and Technology, Transactions of the ASME, 2001, 123, 119-124.	0.8	1
905	Analysis of flexural waves excited by rectangular contact type transducers. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 6481-6492.	3.4	1
906	Multiscale modelling of crush behaviour of closed-cell aluminium foam. , 2003, , 68-71.		1
907	Meshfree modelling and simulation of the thermomechanical behaviour of shape memory alloys. Smart Materials and Structures, 2005, 14, S302-S311.	1.8	1
908	Effect of Monatomic Dopant on Bimolecular Transport Conductance. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1407-1412.	0.4	1
909	HETEROGENEOUS SOLIDIFICATION OF ALUMINUM ON BORON-NITRIDE NANOTUBE. Nano, 2010, 05, 361-367.	0.5	1
910	Effect of Sample Width on Downward Flame Spread over Typical Energy Conservation Material at a High Elevation Area. Applied Mechanics and Materials, 0, 664, 199-203.	0.2	1
911	Classical Molecular Dynamics Simulations. , 2017, , 49-139.		1
912	A third-order Cauchy-Born rule for modeling of microtubules based on the element-free framework. Composite Structures, 2017, 161, 215-226.	3.1	1
913	Nonlocal Elasticity Theories. , 2017, , 301-334.		1
914	Corrosive effects of smoke with different concentrations from PVC on 304 stainless steel and 6061 aluminium alloy. Corrosion Engineering Science and Technology, 2018, 53, 141-152.	0.7	1
915	Bench-scale experimental study on the fire behavior of electric cable arrays by considering different layouts. Journal of Fire Sciences, 2021, 39, 427-442.	0.9	1
916	Multiscale Modeling of Carbon Nanotubes. Challenges and Advances in Computational Chemistry and Physics, 2010, , 367-388.	0.6	1
917	Parallel computation of unsteady three-dimensional incompressible viscous flow using an unstructured multigrid method. , 2003, , 1148-1152.		1
918	Fire-Induced Horizontal Vent Flow Pattern in a Ceiling Vented Enclosure: Theoretical Analysis and Experimental Verification. , 2020, , 167-179.		1

#	Article	IF	Citations
919	A hybrid experimental-finite element method for vibration analysis of structures. Applied Acoustics, 1989, 26, 251-261.	1.7	0
920	Delamination Suppression in Composites via Thermoplastic Interleaves. , 0, , .		0
921	Stress intensity factor of an elliptical crack as influenced by a spherical inhomogeneity. Theoretical and Applied Fracture Mechanics, 1994, 21, 219-232.	2.1	0
922	Authors' closure. International Journal of Solids and Structures, 1997, 34, 2775-2782.	1.3	0
923	Sensing characteristics of contact-type transducer for flexural waves. International Journal of Mechanical Sciences, 2000, 42, 147-162.	3.6	0
924	A Method for Establishing Hybrid Piezoelectric Composite Plate Theories with Continuous Interlaminar Stresses. Journal of Intelligent Material Systems and Structures, 2000, 11, 821-827.	1.4	0
925	On the control design of a gyro test table. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2001, 215, 169-175.	0.7	0
926	Computational Swarm Strategies for Single Objective Design Optimization Problems. International Journal for Computational Methods in Engineering Science and Mechanics, 2006, 8, 11-21.	1.4	0
927	Differential quadrature element method for vibration analysis of plates. , 2007, , 322-375.		0
928	Multiscale modelling of carbon nanostructures. , 2007, , 220-260.		0
929	Analysis of elastic wave in carbon nanotubes using continuum mechanics and molecular dynamic simulations. , 2009, , .		0
930	A Multiscale Modeling Approach for Carbon Nanotubes. Advanced Materials Research, 2010, 97-101, 4201-4205.	0.3	0
931	Conductance Response of Tin Nanowires to the External Axial Pressure Load. Journal of Physical Chemistry C, 2010, 114, 3770-3775.	1.5	0
932	Interaction Behavior of a Silicon Dioxide Nanotube Interface. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1106-1110.	0.4	0
933	Site Effect of Impurity Based on a Bimolecular Tunneling Rectifier. Journal of Computational and Theoretical Nanoscience, 2011, 8, 757-762.	0.4	0
934	TRAVELING BEHAVIOR OF A WATER CLUSTER RELEASED FROM A CARBON NANOTUBE. Nano, 2011, 06, 231-237.	0.5	0
935	Higher-order Constitutive Relationship for Microtubules Based on the Higher-order Cauchy-Born Rule. Procedia Engineering, 2012, 31, 973-978.	1.2	0
936	Computational Methods for Engineering Science. Mathematical Problems in Engineering, 2015, 2015, 1-1.	0.6	0

#	Article	IF	Citations
937	Atomistic-Continuum Theory. , 2017, , 141-248.		0
938	Atomic Finite Element Method and Coupling With Atomistic-Continuum Method. , 2017, , 249-259.		0
939	Continuum Models. , 2017, , 261-299.		0
940	2-D Graphene and White Graphene. , 2017, , 387-410.		0
941	Technologically Relevant Applications. , 2017, , 335-386.		0
942	Research on combustion performance of PVC foam in fire propagation apparatus. E3S Web of Conferences, 2019, 118, 01034.	0.2	0
943	Research on Combustion Characteristics of Vulcanized Rubber Based on Fire Propagation Apparatus. IOP Conference Series: Earth and Environmental Science, 0, 605, 012023.	0.2	0
944	Future developments and challenges of nano-tailored cementitious composites. , 2022, , 459-472.		0