

# Jie Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

282 papers	15,064 citations	72 h-index	114 g-index
293 ext. papers	17,561 ext. citations	4.2 avg, IF	7.52 L-index

#	Paper	IF	Citations
282	Primary nonlinear damped natural frequency of dielectric composite beam reinforced with graphene platelets (GPLs). <i>Archives of Civil and Mechanical Engineering</i> , <b>2022</b> , 22, 1	3.4	6
281	The vibration response mechanism of a blade disk rotor system under the coupling effects of cracks and aerodynamic forces.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1520	4.9	
280	Machine learning assisted prediction of mechanical properties of graphene/aluminium nanocomposite based on molecular dynamics simulation. <i>Materials and Design</i> , <b>2022</b> , 213, 110334	8.1	4
279	Enhanced thermal buckling resistance of folded graphene reinforced nanocomposites with negative thermal expansion: From atomistic study to continuum mechanics modelling. <i>Composite Structures</i> , <b>2022</b> , 279, 114872	5.3	3
278	Numerical analysis on stability of functionally graded graphene platelets (GPLs) reinforced dielectric composite plate. <i>Applied Mathematical Modelling</i> , <b>2022</b> , 101, 239-258	4.5	11
277	Genetic programming-assisted micromechanical models of graphene origami-enabled metal metamaterials. <i>Acta Materialia</i> , <b>2022</b> , 228, 117791	8.4	1
276	Free vibration of FGM Mindlin plates submerged in fluid. <i>Engineering Structures</i> , <b>2022</b> , 259, 114144	4.7	0
275	Folded graphene reinforced nanocomposites with superior strength and toughness: A molecular dynamics study. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 120, 196-204	9.1	2
274	In-plane dynamic instability of functionally graded porous arches reinforced by graphene platelet under a vertical base excitation. <i>Composite Structures</i> , <b>2022</b> , 115705	5.3	1
273	Free vibration analysis of functionally graded graphene nanocomposite beams partially in contact with fluid. <i>Composite Structures</i> , <b>2022</b> , 291, 115609	5.3	1
272	Buckling of functionally graded hydrogen-functionalized graphene reinforced beams based on machine learning-assisted micromechanics models. <i>European Journal of Mechanics, A/Solids</i> , <b>2022</b> , 1046737	2.7	1
271	Evaluating and manipulating bonding strength at multilayer graphene-copper interface via plasma functionalization. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2022</b> , 143391	5.3	
270	Dynamic analysis of self-powered electromechanical actuators using radioisotopes. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2021</b> , 43, 1	2	
269	Lateral-torsional buckling of functionally graded porous arches with graphene platelets reinforcements under an arbitrary radial concentrated load. <i>Composite Structures</i> , <b>2021</b> , 281, 114973	5.3	0
268	Buckling and free vibration of axially functionally graded graphene reinforced nanocomposite beams. <i>Engineering Structures</i> , <b>2021</b> , 249, 113327	4.7	6
267	Mechanical properties of graphene-reinforced aluminium composite with modified substrate surface: a molecular dynamics study. <i>Nanotechnology</i> , <b>2021</b> , 32, 085712	3.4	6
266	Significantly improved interfacial shear strength in graphene/copper nanocomposite via wrinkles and functionalization: A molecular dynamics study. <i>Carbon</i> , <b>2021</b> , 174, 335-344	10.4	16

265	Wrinkling analysis of circular membranes by a Fourier based reduced model. <i>Thin-Walled Structures</i> , <b>2021</b> , 161, 107512	4.7	1
264	Analytical Prediction for Nonlinear Buckling of Elastically Supported FG-GPLRC Arches under a Central Point Load. <i>Materials</i> , <b>2021</b> , 14,	3.5	9
263	Free vibration analysis of a functionally graded graphene nanoplatelet reinforced disk-shaft assembly with whirl motion. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 197, 106335	5.5	23
262	Nonlinear vibration of FG-GPLRC dielectric plate with active tuning using differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2021</b> , 379, 113761	5.7	18
261	Vibration characteristics and stable region of a parabolic FGM thin-walled beam with axial and spinning motion. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2021</b> , 76, 787-798 <sup>1.4</sup>		1
260	Multifunctional and corrosion resistant poly(phenylene sulfide)/Ag composites for electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 129052	14.7	23
259	Nonlinear dynamic buckling of functionally graded porous beams. <i>Mechanics of Advanced Materials and Structures</i> , <b>2021</b> , 28, 418-429	1.8	38
258	DSC regularized Dirac-delta method for dynamic analysis of FG graphene platelet-reinforced porous beams on elastic foundation under a moving load. <i>Composite Structures</i> , <b>2021</b> , 255, 112865	5.3	12
257	Coupled free vibration of a functionally graded pre-twisted blade-shaft system reinforced with graphene nanoplatelets. <i>Composite Structures</i> , <b>2021</b> , 262, 113362	5.3	24
256	A nonlinear model for a self-powered electromechanical actuator using radioactive thin films. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 2229-2235	1.7	2
255	Temperature-dependent mechanical properties of defective graphene reinforced polymer nanocomposite. <i>Mechanics of Advanced Materials and Structures</i> , <b>2021</b> , 28, 1010-1019	1.8	6
254	Corrigendum to: Nonlinear free vibration of size-dependent microbeams with nonlinear elasticity under various boundary conditions. <i>Journal of Mechanics</i> , <b>2021</b> , 37, 466-466	1	
253	Nonlinear free vibration of size-dependent microbeams with nonlinear elasticity under various boundary conditions. <i>Journal of Mechanics</i> , <b>2021</b> , 37, 380-403	1	2
252	A theoretical study on nonlinear in-plane buckling of shallow angle-ply laminated arches with elastic supports. <i>Composite Structures</i> , <b>2021</b> , 269, 114009	5.3	4
251	Parameter Interval Uncertainty Analysis of Internal Resonance of Rotating Porous Shaft-Disk-Blade Assemblies Reinforced by Graphene Nanoplatelets. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
250	Dynamic buckling of rotationally restrained FG porous arches reinforced with graphene nanoplatelets under a uniform step load. <i>Thin-Walled Structures</i> , <b>2021</b> , 166, 108103	4.7	14
249	Thermo-elastic analysis of functionally graded graphene nanoplatelets (GPLs) reinforced closed cylindrical shells. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 97, 754-770	4.5	6
248	Free vibration analysis of rotating FG-CNT reinforced composite beams in thermal environments with general boundary conditions. <i>Aerospace Science and Technology</i> , <b>2021</b> , 118, 107030	4.9	3

247	Graphene Origami-Enabled Auxetic Metallic Metamaterials: An Atomistic Insight. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 212, 106814	5.5	4
246	The effect of curing deformation on the vibration behavior of laminated composite beams. <i>Composite Structures</i> , <b>2021</b> , 277, 114642	5.3	3
245	Thermal conductivity and interfacial thermal conductivity of complex graphene nanoribbons without and with polyethylene molecules. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 170, 107038	4.1	1
244	Recent progress in the development of thermal interface materials: a review. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 753-776	3.6	19
243	Coupled Free Vibration of Spinning Functionally Graded Porous Double-Bladed Disk Systems Reinforced with Graphene Nanoplatelets. <i>Materials</i> , <b>2020</b> , 13,	3.5	10
242	Nonlinear vibration of a deploying laminated Rayleigh beam with a spinning motion in hygrothermal environment. <i>Engineering With Computers</i> , <b>2020</b> , 37, 3825	4.5	7
241	Fracture analysis of functionally graded multilayer graphene nanoplatelets-reinforced composite strips. <i>European Journal of Mechanics, A/Solids</i> , <b>2020</b> , 83, 104038	3.7	9
240	A DSC Regularized Dirac-Delta Method for Flexural Vibration of Elastically Supported FG Beams Subjected to a Moving Load. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050039 <sup>1-9</sup>	1.9	5
239	Dynamic behaviors of single- and multi-span functionally graded porous beams with flexible boundary constraints. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 83, 754-776	4.5	12
238	Improving interfacial shear strength between graphene sheets by strain-induced wrinkles. <i>Carbon</i> , <b>2020</b> , 168, 135-143	10.4	19
237	Functionally graded graphene reinforced composite structures: A review. <i>Engineering Structures</i> , <b>2020</b> , 210, 110339	4.7	149
236	Large amplitude vibration of functionally graded graphene nanocomposite annular plates in thermal environments. <i>Composite Structures</i> , <b>2020</b> , 239, 112047	5.3	39
235	Probabilistic stability analysis of functionally graded graphene reinforced porous beams. <i>Aerospace Science and Technology</i> , <b>2020</b> , 98, 105738	4.9	34
234	In-plane and out-of-plane free vibrations of functionally graded composite arches with graphene reinforcements. <i>Mechanics of Advanced Materials and Structures</i> , <b>2020</b> , 1-11	1.8	20
233	Active control of dynamic behaviors of graded graphene reinforced cylindrical shells with piezoelectric actuator/sensor layers. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 82, 252-270	4.5	35
232	A theoretical and experimental study on in-plane buckling of orthotropic composite arches under an arbitrary radial point load. <i>Composite Structures</i> , <b>2020</b> , 237, 111933	5.3	9
231	Mechanical behaviours of graphene reinforced copper matrix nanocomposites containing defects. <i>Computational Materials Science</i> , <b>2020</b> , 182, 109759	3.2	4
230	Harmonic resonances of graphene-reinforced nonlinear cylindrical shells: effects of spinning motion and thermal environment. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 981-1000	5	31

229	Dynamic instability of functionally graded porous arches reinforced by graphene platelets. <i>Thin-Walled Structures</i> , <b>2020</b> , 147, 106491	4.7	55
228	Numerical and experimental investigation of electro-mechanical impedance based concrete quantitative damage assessment. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 055025	3.4	13
227	Effect of hydrogen functionalization on interfacial behavior of defective-graphene/polymer nanocomposites. <i>Polymer Composites</i> , <b>2020</b> , 41, 1291-1298	3	6
226	A spherical smart aggregate sensor based electro-mechanical impedance method for quantitative damage evaluation of concrete. <i>Structural Health Monitoring</i> , <b>2020</b> , 19, 1560-1576	4.4	5
225	Nonlinear free vibration of cracked functionally graded graphene platelet-reinforced nanocomposite beams in thermal environments. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 468, 115115	3.9	40
224	Geometrically nonlinear buckling of graphene platelets reinforced dielectric composite (GPLRDC) arches with rotational end restraints. <i>Aerospace Science and Technology</i> , <b>2020</b> , 107, 106326	4.9	29
223	Nonlinear bending of elastically restrained functionally graded graphene nanoplatelet reinforced beams with an open edge crack. <i>Thin-Walled Structures</i> , <b>2020</b> , 156, 106972	4.7	11
222	Nonlinear in-plane buckling of shallow laminated arches incorporating shear deformation under a uniform radial loading. <i>Composite Structures</i> , <b>2020</b> , 252, 112732	5.3	8
221	Static response of functionally graded graphene platelet reinforced composite plate with dielectric property. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2020</b> , 31, 2211-2228	2.3	20
220	Nonlinear Dynamic Response of FG Graphene Platelets Reinforced Composite Beam with Edge Cracks in Thermal Environment. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2043005	1.9	18
219	In situ synthesis of silver nanowire gel and its super-elastic composite foams. <i>Nanoscale</i> , <b>2020</b> , 12, 19861-19869	1.7	17
218	Mechanical Analysis of Functionally Graded Porous Structures: A Review. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2041015	1.9	19
217	Size-Dependent Free Vibration of Microbeams Submerged in Fluid. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050131	1.9	3
216	Free vibration of variable thickness FGM beam submerged in fluid. <i>Composite Structures</i> , <b>2020</b> , 233, 111532	3.9	14
215	Dynamic buckling of functionally graded graphene nanoplatelets reinforced composite shallow arches under a step central point load. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 465, 115019	3.9	44
214	Dynamic Stability of Piezoelectric Plate Reinforced with BNNTs Considering Temperature Effect. <i>Advanced Composite Materials</i> , <b>2020</b> , 29, 217-233	2.8	1
213	Surface effect on the contact problem of a piezoelectric half-plane. <i>International Journal of Solids and Structures</i> , <b>2020</b> , 185-186, 380-393	3.1	8
212	Geometrically nonlinear bending of functionally graded nanocomposite trapezoidal plates reinforced with graphene platelets (GPLs). <i>International Journal of Mechanics and Materials in Design</i> , <b>2019</b> , 15, 791-800	2.5	10

211	Free vibration and buckling analyses of edge-cracked functionally graded multilayer graphene nanoplatelet-reinforced composite beams resting on an elastic foundation. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 458, 89-108	3.9	40
210	The Deflection of Rotating Composite Tapered Beams with an Elastically Restrained Root in Hygrothermal Environment. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2019</b> , 74, 849-859	1.4	2
209	Tensile property enhancement of defective graphene/epoxy nanocomposite by hydrogen functionalization. <i>Composite Structures</i> , <b>2019</b> , 224, 111079	5.3	34
208	Buckling and postbuckling of dielectric composite beam reinforced with Graphene Platelets (GPLs). <i>Aerospace Science and Technology</i> , <b>2019</b> , 91, 208-218	4.9	37
207	Vibration and Buckling Characteristics of Functionally Graded Graphene Nanoplatelets Reinforced Composite Beams with Open Edge Cracks. <i>Materials</i> , <b>2019</b> , 12,	3.5	20
206	Nonlinear free vibration of graphene platelets (GPLs)/polymer dielectric beam. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 055013	3.4	19
205	Static pull-in instability and free vibration of functionally graded graphene nanoplatelet reinforced micro-sandwich beams under thermo-electrical actuation. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 3599-3608	1.7	6
204	Peeling mechanics of hyperelastic beams: Bending effect. <i>International Journal of Solids and Structures</i> , <b>2019</b> , 167, 184-191	3.1	8
203	Analytical prediction of the impact response of graphene reinforced spinning cylindrical shells under axial and thermal loads. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 71, 331-348	4.5	56
202	Nonlinear in-plane elastic buckling of a laminated circular shallow arch subjected to a central concentrated load. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 161-162, 105023	5.5	8
201	Thermal buckling and postbuckling of edge-cracked functionally graded multilayer graphene nanocomposite beams on an elastic foundation. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 161-162, 105040	5.5	16
200	Dynamic characteristics of functionally graded porous beams with interval material properties. <i>Engineering Structures</i> , <b>2019</b> , 197, 109441	4.7	36
199	Three-dimensional free vibration and bending analyses of functionally graded graphene nanoplatelets-reinforced nanocomposite annular plates. <i>Composite Structures</i> , <b>2019</b> , 229, 111453	5.3	37
198	Nonlinear static and dynamic responses of graphene platelets reinforced composite beam with dielectric permittivity. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 71, 298-315	4.5	38
197	Low-velocity impact response of geometrically nonlinear functionally graded graphene platelet-reinforced nanocomposite plates. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 2333-2352	5	47
196	Unilateral and bilateral buckling of functionally graded corrugated thin plates reinforced with graphene nanoplatelets. <i>Composite Structures</i> , <b>2019</b> , 209, 789-801	5.3	31
195	Primary and secondary resonances of functionally graded graphene platelet-reinforced nanocomposite beams. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 1807-1826	5	24
194	Buckling and bending analyses of a novel functionally graded porous plate using Chebyshev-Ritz method. <i>Archives of Civil and Mechanical Engineering</i> , <b>2019</b> , 19, 157-170	3.4	55



193	A Fourier based reduced model for wrinkling analysis of circular membranes. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2019</b> , 345, 1114-1137	5.7	14
192	Nonlinear vibration of piezoelectric nanoplates using nonlocal Mindlin plate theory. <i>Mechanics of Advanced Materials and Structures</i> , <b>2018</b> , 25, 1252-1264	1.8	40
191	Vibration characteristics of functionally graded graphene reinforced porous nanocomposite cylindrical shells with spinning motion. <i>Composites Part B: Engineering</i> , <b>2018</b> , 145, 1-13	10	161
190	On mechanical behaviors of few-layer black phosphorus. <i>Scientific Reports</i> , <b>2018</b> , 8, 3227	4.9	12
189	The coupled thermoelastic instability of FGM coatings with arbitrarily varying properties: in-plane sliding. <i>Acta Mechanica</i> , <b>2018</b> , 229, 2979-2995	2.1	11
188	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. <i>Composite Structures</i> , <b>2018</b> , 189, 560-569	5.3	149
187	Viscoelastic bistable behaviour of antisymmetric laminated composite shells with time-temperature dependent properties. <i>Thin-Walled Structures</i> , <b>2018</b> , 122, 403-415	4.7	34
186	Buckling and free vibration analyses of functionally graded graphene reinforced porous nanocomposite plates based on Chebyshev-Ritz method. <i>Composite Structures</i> , <b>2018</b> , 193, 281-294	5.3	239
185	Thermal-mechanical-electrical buckling behavior of functionally graded micro-beams based on modified couple stress theory. <i>Composite Structures</i> , <b>2018</b> , 202, 625-634	5.3	43
184	Thermoelastic instability of functionally graded materials with interaction of frictional heat and contact resistance. <i>Mechanics Based Design of Structures and Machines</i> , <b>2018</b> , 46, 139-156	1.7	24
183	Eigenvalue buckling of functionally graded cylindrical shells reinforced with graphene platelets (GPL). <i>Composite Structures</i> , <b>2018</b> , 202, 38-46	5.3	92
182	Optimal microstructures of elastoplastic cellular materials under various macroscopic strains. <i>Mechanics of Materials</i> , <b>2018</b> , 118, 120-132	3.3	12
181	Bending and buckling analyses of functionally graded polymer composite plates reinforced with graphene nanoplatelets. <i>Composites Part B: Engineering</i> , <b>2018</b> , 134, 106-113	10	187
180	3D thermo-mechanical solution of transversely isotropic and functionally graded graphene reinforced elliptical plates. <i>Composite Structures</i> , <b>2018</b> , 184, 1040-1048	5.3	45
179	Nonlinear in-plane instability of functionally graded multilayer graphene reinforced composite shallow arches. <i>Composite Structures</i> , <b>2018</b> , 204, 301-312	5.3	58
178	Wave propagation in viscoelastic phononic crystal rods with internal resonators. <i>Applied Acoustics</i> , <b>2018</b> , 141, 382-392	3.1	21
177	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Composites under Bi-Axial Stretching. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	26
176	Effects of Graphene Nanoplatelet Size and Surface Area on the AC Electrical Conductivity and Dielectric Constant of Epoxy Nanocomposites. <i>Polymers</i> , <b>2018</b> , 10,	4.5	39

175	An adhesion model for plane-strain shearable hyperelastic beams. <i>Mechanics Research Communications</i> , <b>2018</b> , 90, 42-46	2.2	1
174	Nonlinear free vibration of functionally graded graphene platelets reinforced porous nanocomposite plates resting on elastic foundation. <i>Composite Structures</i> , <b>2018</b> , 204, 831-846	5.3	118
173	Nonlocal scale effect on Rayleigh wave propagation in porous fluid-saturated materials. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 148, 459-466	5.5	7
172	An efficient approach to investigate the post-buckling behaviors of sandwich structures. <i>Composite Structures</i> , <b>2018</b> , 201, 377-388	5.3	22
171	Parametric instability of thermo-mechanically loaded functionally graded graphene reinforced nanocomposite plates. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 135, 431-440	5.5	87
170	Dynamic response and energy absorption of functionally graded porous structures. <i>Materials and Design</i> , <b>2018</b> , 140, 473-487	8.1	75
169	Tensile behavior of polymer nanocomposite reinforced with graphene containing defects. <i>European Polymer Journal</i> , <b>2018</b> , 98, 475-482	5.2	39
168	Buckling of Graphene Platelet Reinforced Composite Cylindrical Shell with Cutout. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1850040	1.9	68
167	Variational modeling of plane-strain hyperelastic thin beams with thickness-stretching effect. <i>Acta Mechanica</i> , <b>2018</b> , 229, 4845-4861	2.1	7
166	A dynamic homogenization model for long-wavelength wave propagation in corrugated sandwich plates. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 149, 27-37	5.5	10
165	Buckling of spinning functionally graded graphene reinforced porous nanocomposite cylindrical shells: An analytical study. <i>Aerospace Science and Technology</i> , <b>2018</b> , 82-83, 466-478	4.9	93
164	Mechanical Behaviors of Angle-Ply Black Phosphorus by Molecular Dynamics Simulations. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	2
163	A shearable and thickness stretchable finite strain beam model for soft structures. <i>Meccanica</i> , <b>2018</b> , 53, 3759-3777	2.1	
162	Nonlinear free vibration of graded graphene reinforced cylindrical shells: Effects of spinning motion and axial load. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 437, 79-96	3.9	78
161	Nonlinear dynamic analysis of composite piezoelectric plates with graphene skin. <i>Composite Structures</i> , <b>2018</b> , 206, 839-852	5.3	24
160	Wave propagation characteristics in magneto-electro-elastic nanoshells using nonlocal strain gradient theory. <i>Composite Structures</i> , <b>2018</b> , 199, 10-23	5.3	36
159	Torsional buckling of graphene platelets (GPLs) reinforced functionally graded cylindrical shell with cutout. <i>Composite Structures</i> , <b>2018</b> , 197, 72-79	5.3	75
158	Thermal Buckling and Postbuckling Analysis of Functionally Graded Concrete Slabs with Initial Imperfections. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1850142	1.9	1



157	Size and Foundation Effects on the Vibration of Buckled Functionally Graded Microplates Within the Modified Couple Stress Theory Framework. <i>International Journal of Applied Mechanics</i> , <b>2018</b> , 10, 1850068	2.4	5
156	Two-Dimensional Frictionless Contact of a Coated Half-Plane Based on Couple Stress Theory. <i>International Journal of Applied Mechanics</i> , <b>2018</b> , 10, 1850049	2.4	14
155	Nanocellulose reinforced P(AAm-co-AAc) hydrogels with improved mechanical properties and biocompatibility. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 112, 395-404	8.4	25
154	Size effect on the dynamic analysis of electrostatically actuated micro-actuators. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 1247-1254	1.7	9
153	Nonlinear vibration and postbuckling of functionally graded graphene reinforced porous nanocomposite beams. <i>Composites Science and Technology</i> , <b>2017</b> , 142, 235-245	8.6	220
152	Dynamic Pull-In Instability of a Thermoelectromechanically Loaded Micro-Beam Based on Symmetric Stress Gradient Elasticity Theory. <i>International Journal of Structural Stability and Dynamics</i> , <b>2017</b> , 17, 1750117	1.9	6
151	Tensile and compressive behaviors of prestrained single-layer black phosphorus: a molecular dynamics study. <i>Nanoscale</i> , <b>2017</b> , 9, 3609-3619	7.7	15
150	3D thermo-mechanical bending solution of functionally graded graphene reinforced circular and annular plates. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 49, 69-86	4.5	112
149	Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). <i>Engineering Structures</i> , <b>2017</b> , 140, 110-119	4.7	198
148	Dynamic analysis of size-dependent micro-beams with nonlinear elasticity under electrical actuation. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 43, 441-453	4.5	12
147	Free vibration and elastic buckling of functionally graded porous beams reinforced by graphene platelets. <i>Materials and Design</i> , <b>2017</b> , 116, 656-665	8.1	313
146	Dynamic instability of functionally graded multilayer graphene nanocomposite beams in thermal environment. <i>Composite Structures</i> , <b>2017</b> , 162, 244-254	5.3	184
145	Thermoelastic instability of functionally graded coating with arbitrarily varying properties considering contact resistance and frictional heat. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 43, 521-537	4.5	12
144	Bending and vibration analysis of functionally graded trapezoidal nanocomposite plates reinforced with graphene nanoplatelets (GPLs). <i>Composite Structures</i> , <b>2017</b> , 180, 799-808	5.3	137
143	Mechanical properties of prestrained single-layer black phosphorus: effect of thermal environment. <i>Nanotechnology</i> , <b>2017</b> , 28, 475701	3.4	8
142	Buckling and postbuckling of biaxially compressed functionally graded multilayer graphene nanoplatelet-reinforced polymer composite plates. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 131-132, 345-355	5.5	123
141	Thermal buckling and postbuckling of functionally graded graphene nanocomposite plates. <i>Materials and Design</i> , <b>2017</b> , 132, 430-441	8.1	152
140	Critical examination of midplane and neutral plane formulations for vibration analysis of FGM beams. <i>Engineering Structures</i> , <b>2017</b> , 130, 275-281	4.7	36

139	Thermoelastic analysis of functionally graded graphene reinforced rectangular plates based on 3D elasticity. <i>Meccanica</i> , <b>2017</b> , 52, 2275-2292	2.1	74
138	Buckling and postbuckling of functionally graded multilayer graphene platelet-reinforced composite beams. <i>Composite Structures</i> , <b>2017</b> , 161, 111-118	5.3	283
137	Imperfection sensitivity of thermal post-buckling behaviour of functionally graded carbon nanotube-reinforced composite beams. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 42, 735-752	4.5	74
136	Bifurcation of pressurized functionally graded elastomeric hollow cylinders. <i>Composites Part B: Engineering</i> , <b>2017</b> , 109, 259-276	10	12
135	Free and forced vibrations of functionally graded polymer composite plates reinforced with graphene nanoplatelets. <i>Composite Structures</i> , <b>2017</b> , 159, 579-588	5.3	381
134	Bistable behaviour and microstructure characterization of carbon fiber/epoxy resin anti-symmetric laminated cylindrical shell after thermal exposure. <i>Composites Science and Technology</i> , <b>2017</b> , 138, 91-97	8.6	22
133	Nonlinear bending of polymer nanocomposite beams reinforced with non-uniformly distributed graphene platelets (GPLs). <i>Composites Part B: Engineering</i> , <b>2017</b> , 110, 132-140	10	247
132	Multi-Scale histogram tone mapping algorithm enables better object detection in wide dynamic range images <b>2017</b> ,		2
131	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Nanocomposites under Uni-Axial Stretching. <i>Polymers</i> , <b>2017</b> , 9,	4.5	22
130	Thermal Buckling and Postbuckling Analysis of Functionally Graded Carbon Nanotube-Reinforced Composite Beams. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 846, 182-187	0.3	14
129	Dynamic Response of Shear Deformable Functionally Graded Porous Beams. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 846, 434-439	0.3	2
128	Thermo-elastic dynamic instability of an elastic half-plane sliding against a coated half-plane. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 117, 275-285	5.5	8
127	Buckling and post-buckling analyses of size-dependent piezoelectric nanoplates. <i>Theoretical and Applied Mechanics Letters</i> , <b>2016</b> , 6, 253-267	1.8	28
126	Nonlinear free vibration of shear deformable sandwich beam with a functionally graded porous core. <i>Thin-Walled Structures</i> , <b>2016</b> , 107, 39-48	4.7	200
125	Experimental study on bistable behaviour of anti-symmetric laminated cylindrical shells in thermal environments. <i>Composite Structures</i> , <b>2016</b> , 144, 24-32	5.3	27
124	Free and forced vibrations of shear deformable functionally graded porous beams. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 108-109, 14-22	5.5	228
123	Nonlinear vibration of functionally graded carbon nanotube-reinforced composite beams with geometric imperfections. <i>Composites Part B: Engineering</i> , <b>2016</b> , 90, 86-96	10	111
122	Imperfection sensitivity of postbuckling behaviour of functionally graded carbon nanotube-reinforced composite beams. <i>Thin-Walled Structures</i> , <b>2016</b> , 108, 225-233	4.7	46

121	Thermo-electro-mechanical postbuckling of piezoelectric FG-CNTRC beams with geometric imperfections. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 095022	3-4	23
120	Comprehensive nonlinear electromechanical analysis of nanobeams under DC/AC voltages based on consistent couple-stress theory. <i>Composite Structures</i> , <b>2015</b> , 132, 1206-1218	5-3	14
119	Elastic buckling and static bending of shear deformable functionally graded porous beam. <i>Composite Structures</i> , <b>2015</b> , 133, 54-61	5-3	247
118	Flexural Vibration of an Atomic Force Microscope Cantilever Based on Modified Couple Stress Theory. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540025	1-9	24
117	Nonlinear Vibration of PZT4/PZT-5H Monomorph and Bimorph Beams with Graded Microstructures. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540015	1-9	8
116	Dynamic Buckling of Thermo-Electro-Mechanically Loaded FG-CNTRC Beams. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540017	1-9	23
115	Nonlinear Vibration of Nonlocal Piezoelectric Nanoplates. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540013	1-9	38
114	Size effect on the free vibration of geometrically nonlinear functionally graded micro-beams under electrical actuation and temperature change. <i>Composite Structures</i> , <b>2015</b> , 133, 1137-1148	5-3	39
113	Nonlinear Dynamics of a Functionally Graded Thin Simply-Supported Plate Under a Hypersonic Flow. <i>Mechanics of Advanced Materials and Structures</i> , <b>2015</b> , 22, 619-632	1-8	13
112	Free Vibration and Buckling Analysis of Sandwich Beams with Functionally Graded Carbon Nanotube-Reinforced Composite Face Sheets. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540011	1-9	76
111	Buckling and post-buckling of size-dependent piezoelectric Timoshenko nanobeams subject to thermo-electro-mechanical loadings. <i>International Journal of Structural Stability and Dynamics</i> , <b>2014</b> , 14, 1350067	1-9	57
110	Axisymmetric postbuckling analysis of size-dependent functionally graded annular microplates using the physical neutral plane. <i>International Journal of Engineering Science</i> , <b>2014</b> , 81, 66-81	5-7	68
109	Nonlinear electro-dynamic analysis of micro-actuators: Effect of material nonlinearity. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 2781-2790	4-5	15
108	The size-dependent vibration of embedded magneto-electro-elastic cylindrical nanoshells. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 125036	3-4	86
107	Nonlinear dynamics of a FGM plate with two clamped opposite edges and two free edges. <i>Acta Mechanica Sinica</i> , <b>2014</b> , 27, 394-406	2	23
106	Dynamic instability of an elastic solid sliding against a functionally graded material coated half-plane. <i>International Journal of Mechanical Sciences</i> , <b>2014</b> , 89, 323-331	5-5	7
105	Free vibration of size-dependent magneto-electro-elastic nanoplates based on the nonlocal theory. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2014</b> , 30, 516-525	2	157
104	Dynamic pull-in instability of a micro-actuator made from nonlinear elasticity materials. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 065023	3-4	9

103	Thermal effect on the pull-in instability of functionally graded micro-beams subjected to electrical actuation. <i>Composite Structures</i> , <b>2014</b> , 116, 136-146	5.3	23
102	Thermo-electro-mechanical vibration of piezoelectric nanoplates based on the nonlocal theory. <i>Composite Structures</i> , <b>2013</b> , 106, 167-174	5.3	158
101	Thermal bifurcation buckling of piezoelectric carbon nanotube reinforced composite beams. <i>Computers and Mathematics With Applications</i> , <b>2013</b> , 66, 1147-1160	2.7	115
100	Dynamic Stability of Functionally Graded Carbon Nanotube-Reinforced Composite Beams. <i>Mechanics of Advanced Materials and Structures</i> , <b>2013</b> , 20, 28-37	1.8	117
99	On-road and Wind Tunnel Aerodynamic Study of Human Powered Vehicles. <i>Procedia Engineering</i> , <b>2013</b> , 60, 473-478		5
98	Snap-through and pull-in analysis of an electro-dynamically actuated curved micro-beam using a nonlinear beam model. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 3821-3832	3.9	9
97	Axisymmetric nonlinear free vibration of size-dependent functionally graded annular microplates. <i>Composites Part B: Engineering</i> , <b>2013</b> , 53, 207-217	10	76
96	Dispersion spectrum in a functionally graded carbon nanotube-reinforced plate based on first-order shear deformation plate theory. <i>Composites Part B: Engineering</i> , <b>2013</b> , 53, 274-283	10	16
95	Large amplitude vibration of carbon nanotube reinforced functionally graded composite beams with piezoelectric layers. <i>Composite Structures</i> , <b>2013</b> , 96, 716-725	5.3	165
94	Finite Element Analysis of Vertically Loaded Cylindrical Ti Implants. <i>Advanced Materials Research</i> , <b>2013</b> , 633, 255-262	0.5	1
93	Nonlinear Dynamics of Cantilever FGM Cylindrical Shell under 1:2 Internal Resonance Relations. <i>Mechanics of Advanced Materials and Structures</i> , <b>2013</b> , 20, 819-833	1.8	31
92	Dynamic stability of piezoelectric laminated cylindrical shells with delamination. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2013</b> , 24, 1770-1781	2.3	2
91	Pull-in instability of electrically actuated poly-SiGe graded micro-beams. <i>Coupled Systems Mechanics</i> , <b>2013</b> , 2, 215-230		1
90	Free vibration of size-dependent Mindlin microplates based on the modified couple stress theory. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 94-106	3.9	199
89	Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 3397-3411	3.9	35
88	Nonlinear dynamic response of an edge-cracked functionally graded Timoshenko beam under parametric excitation. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 527-540	5	20
87	Effects of surface structure on soccer ball aerodynamics. <i>Procedia Engineering</i> , <b>2012</b> , 34, 146-151		18
86	Pull-in Instability Behaviour of Nanoscale Actuators Using Nonlocal Elasticity Theory. <i>Advanced Materials Research</i> , <b>2012</b> , 468-471, 2755-2758	0.5	4

85	Bending, buckling and vibration of size-dependent functionally graded annular microplates. <i>Composite Structures</i> , <b>2012</b> , 94, 3250-3257	5.3	141
84	Nonlinear dynamic response of electro-thermo-mechanically loaded piezoelectric cylindrical shell reinforced with BNNTs. <i>Smart Materials and Structures</i> , <b>2012</b> , 21, 125005	3.4	4
83	Thermoelastic frictional contact of functionally graded materials with arbitrarily varying properties. <i>International Journal of Mechanical Sciences</i> , <b>2012</b> , 63, 86-98	5.5	48
82	Nonlinear vibration of edged cracked FGM beams using differential quadrature method. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 2114-2121	3.6	14
81	Stability analysis of a parametrically excited functionally graded piezoelectric, MEM system. <i>Current Applied Physics</i> , <b>2012</b> , 12, 456-466	2.6	21
80	Nonlinear free vibration of size-dependent functionally graded microbeams. <i>International Journal of Engineering Science</i> , <b>2012</b> , 50, 256-267	5.7	306
79	Pull-in instability and free vibration of electrically actuated poly-SiGe graded micro-beams with a curved ground electrode. <i>Applied Mathematical Modelling</i> , <b>2012</b> , 36, 1875-1884	4.5	43
78	Electro-dynamic behavior of an electrically actuated micro-beam: Effects of initial curvature and nonlinear deformation. <i>Computers and Structures</i> , <b>2012</b> , 96-97, 25-33	4.5	25
77	Nonlinear dynamics of FGM circular cylindrical shell with clamped/clamped edges. <i>Composite Structures</i> , <b>2012</b> , 94, 1075-1086	5.3	126
76	BUCKLING OF NANO-RINGS/ARCHES BASED ON NONLOCAL ELASTICITY. <i>International Journal of Applied Mechanics</i> , <b>2012</b> , 04, 1250025	2.4	14
75	Forced Vibration of Electrically Actuated FGM Micro-Switches. <i>Procedia Engineering</i> , <b>2011</b> , 14, 280-287		19
74	Topology Optimization of Composite Structure Using Bi-Directional Evolutionary Structural Optimization Method. <i>Procedia Engineering</i> , <b>2011</b> , 14, 2980-2985		15
73	Forced Vibration of Edge-Cracked Functionally Graded Beams Due to a Transverse Moving Load. <i>Procedia Engineering</i> , <b>2011</b> , 14, 3293-3300		11
72	Pull-in instability of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Acta Mechanica</i> , <b>2011</b> , 218, 161-174	2.1	87
71	Nonlinear dynamic response of a simply supported rectangular functionally graded material plate under the time-dependent thermal/mechanical loads. <i>Journal of Mechanical Science and Technology</i> , <b>2011</b> , 25, 1637-1646	1.6	24
70	Nonlinear oscillation of a cantilever FGM rectangular plate based on third-order plate theory and asymptotic perturbation method. <i>Composites Part B: Engineering</i> , <b>2011</b> , 42, 402-413	10	116
69	Parametric instability of functionally graded beams with an open edge crack under axial pulsating excitation. <i>Composite Structures</i> , <b>2011</b> , 93, 1801-1808	5.3	21
68	Dynamic behaviour of edge-cracked shear deformable functionally graded beams on an elastic foundation under a moving load. <i>Composite Structures</i> , <b>2011</b> , 93, 2992-3001	5.3	60

67	Numerical Approach to Damages in a Composite Laminated Plate under a Low-Velocity Impact. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2011</b> , 581-588	1.8	
66	PERIODIC AND CHAOTIC MOTIONS OF FGM THIN PLATE WITH TWO SIMPLY SUPPORTED OPPOSITE AND TWO FREE EDGES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2011</b> , 21, 1737-1753	2	8
65	Nonlinear frequency response of parametrically excited functionally graded Timoshenko beams with a crack. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2010</b> , 10, 012061	0.4	
64	A Semianalytical Method for Nonlinear Vibration of Euler-Bernoulli Beams with General Boundary Conditions. <i>Mathematical Problems in Engineering</i> , <b>2010</b> , 2010, 1-17	1.1	5
63	Pull-in analysis of electrostatically actuated curved micro-beams with large deformation. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 065030	3.4	17
62	Characterization of FGM micro-switches under electrostatic and Casimir forces. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2010</b> , 10, 012178	0.4	9
61	Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 115028	3.4	32
60	Sliding frictional contact analysis of functionally graded piezoelectric layered half-plane. <i>Acta Mechanica</i> , <b>2010</b> , 209, 249-268	2.1	44
59	An analytical study on the nonlinear vibration of functionally graded beams. <i>Meccanica</i> , <b>2010</b> , 45, 743-752	1	140
58	Nonlinear dynamic response of a functionally graded plate with a through-width surface crack. <i>Nonlinear Dynamics</i> , <b>2010</b> , 59, 207-219	5	60
57	Chaotic vibrations of an orthotropic FGM rectangular plate based on third-order shear deformation theory. <i>Nonlinear Dynamics</i> , <b>2010</b> , 59, 619-660	5	138
56	Nonlinear free vibration of single-walled carbon nanotubes using nonlocal Timoshenko beam theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2010</b> , 42, 1727-1735	3	234
55	Postbuckling of internal pressure loaded FGM cylindrical shells surrounded by an elastic medium. <i>European Journal of Mechanics, A/Solids</i> , <b>2010</b> , 29, 448-460	3.7	66
54	Nonlinear free vibration of functionally graded carbon nanotube-reinforced composite beams. <i>Composite Structures</i> , <b>2010</b> , 92, 676-683	5.3	407
53	Dynamic Stability Behavior of 3D Braided Composite Plates Integrated with Piezoelectric Layers. <i>Journal of Composite Materials</i> , <b>2009</b> , 43, 2223-2238	2.7	12
52	A convolution-type semi-analytic DQ approach to transient response of rectangular plates. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2009</b> , 30, 1143-1151	3.2	3
51	Nonlinear vibration of edge cracked functionally graded Timoshenko beams. <i>Journal of Sound and Vibration</i> , <b>2009</b> , 324, 962-982	3.9	135
50	Postbuckling analysis of edge cracked functionally graded Timoshenko beams under end shortening. <i>Composite Structures</i> , <b>2009</b> , 90, 152-160	5.3	84



49	Interfacial stress analysis of plated beams under symmetric mechanical and thermal loading. <i>Construction and Building Materials</i> , <b>2009</b> , 23, 2973-2987	6.7	27
48	A semi-analytic approach for the nonlinear dynamic response of circular plates. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 4303-4313	4.5	16
47	Thermo-Mechanical Analysis of an Inhomogeneous Double-Layer Coating System under Hertz Pressure and Tangential Traction. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 308-318	1.8	9
46	Nonlinear free vibration of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. <i>Computational Materials Science</i> , <b>2009</b> , 47, 409-417	3.2	202
45	Flexural Vibration and Elastic Buckling of a Cracked Timoshenko Beam Made of Functionally Graded Materials. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 488-502	1.8	119
44	Pull-in instability of nano-switches using nonlocal elasticity theory. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 035103	3	84
43	Nonlinear Vibration and Dynamic Response of Three-Dimensional Braided Composite Plates. <i>Mechanics of Advanced Materials and Structures</i> , <b>2008</b> , 15, 53-63	1.8	8
42	Frictionless contact analysis of a functionally graded piezoelectric layered half-plane. <i>Smart Materials and Structures</i> , <b>2008</b> , 17, 025003	3.4	35
41	Periodic and Chaotic Motions of a Simply Supported FGM Plate with Two Degrees-of-Freedom. <i>Advanced Materials Research</i> , <b>2008</b> , 47-50, 1137-1140	0.5	
40	Nonlinear local bending of FGM sandwich plates. <i>Journal of Mechanics of Materials and Structures</i> , <b>2008</b> , 3, 1977-1992	1.2	6
39	Free and forced vibration of cracked inhomogeneous beams under an axial force and a moving load. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 312, 166-181	3.9	126
38	Free and forced vibration of a laminated FGM Timoshenko beam of variable thickness under heat conduction. <i>Composites Part B: Engineering</i> , <b>2008</b> , 39, 292-303	10	172
37	Free vibration and buckling analyses of functionally graded beams with edge cracks. <i>Composite Structures</i> , <b>2008</b> , 83, 48-60	5.3	174
36	Electro-mechanical frictionless contact behavior of a functionally graded piezoelectric layered half-plane under a rigid punch. <i>International Journal of Solids and Structures</i> , <b>2008</b> , 45, 3313-3333	3.1	68
35	Two-dimensional contact problem for a coating/graded layer/substrate structure under a rigid cylindrical punch. <i>International Journal of Mechanical Sciences</i> , <b>2008</b> , 50, 985-994	5.5	43
34	Nonlinear transient response of functionally graded plates with general imperfections in thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2007</b> , 196, 2619-2630	5.7	52
33	Interfacial stresses of FRP strengthened concrete beams: Effect of shear deformation. <i>Composite Structures</i> , <b>2007</b> , 80, 343-351	5.3	36
32	A three-dimensional finite element study on the biomechanical behavior of an FGBM dental implant in surrounding bone. <i>Journal of Biomechanics</i> , <b>2007</b> , 40, 2377-85	2.9	115

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30	Thermo-electro-mechanical characteristics of functionally graded piezoelectric actuators. <i>Smart Materials and Structures</i> , <b>2007</b> , 16, 784-797	3.4	122
29	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 307-324	3.1	126
28	Imperfection sensitivity of the post-buckling behavior of higher-order shear deformable functionally graded plates. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 5247-5266	3.1	60
27	Random vibration of the functionally graded laminates in thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 1075-1095	5.7	108
26	Nonlinear vibration of a coating-FGM-substrate cylindrical panel subjected to a temperature gradient. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 1007-1026	5.7	91
25	Stochastic analysis of compositionally graded plates with system randomness under static loading. <i>International Journal of Mechanical Sciences</i> , <b>2005</b> , 47, 1519-1541	5.5	88
24	Second-order statistics of the elastic buckling of functionally graded rectangular plates. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 1165-1175	8.6	112
23	Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2004</b> , 71, 839-850	2.7	99
22	Dynamic stability of laminated FGM plates based on higher-order shear deformation theory. <i>Computational Mechanics</i> , <b>2004</b> , 33, 305-315	4	59
21	Non-linear analysis of the thermo-electro-mechanical behaviour of shear deformable FGM plates with piezoelectric actuators. <i>International Journal for Numerical Methods in Engineering</i> , <b>2004</b> , 59, 1605-1632	2.4	76
20	Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. <i>International Journal of Solids and Structures</i> , <b>2004</b> , 41, 2235-2257	3.1	112
19	Interfacial stresses in soffit-plated reinforced concrete beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , <b>2004</b> , 157, 77-89	0.9	29
18	A new approach for interfacial stress analysis of beams bonded with a thin plate <b>2004</b> , 413-421		2
17	Interfacial stresses in soffit-plated reinforced concrete beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , <b>2004</b> , 157, 77-89	0.9	2
16	Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. <i>International Journal of Solids and Structures</i> , <b>2003</b> , 40, 3869-3892	3.1	238
15	Free vibration and parametric resonance of shear deformable functionally graded cylindrical panels. <i>Journal of Sound and Vibration</i> , <b>2003</b> , 261, 871-893	3.9	175
14	Bending and vibration characteristics of a strengthened plate under various boundary conditions. <i>Engineering Structures</i> , <b>2003</b> , 25, 1157-1168	4.7	20

13	Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2003</b> , 192, 3861-3885	5.7	136
12	Nonlinear bending analysis of shear deformable functionally graded plates subjected to thermo-mechanical loads under various boundary conditions. <i>Composites Part B: Engineering</i> , <b>2003</b> , 34, 103-115	10	148
11	VIBRATION CHARACTERISTICS AND TRANSIENT RESPONSE OF SHEAR-DEFORMABLE FUNCTIONALLY GRADED PLATES IN THERMAL ENVIRONMENTS. <i>Journal of Sound and Vibration</i> , <b>2002</b> , 255, 579-602	3.9	282
10	2.11 Interfacial stresses in plated RC Beams under arbitrary symmetric loads: a high-order closedform solution <b>2002</b> , 153-163		5
9	Nonlinear local response of foam-filled sandwich plates with laminated faces under combined transverse and in-plane loads. <i>Composite Structures</i> , <b>2001</b> , 52, 137-148	5.3	26
8	Dynamic response of initially stressed functionally graded rectangular thin plates. <i>Composite Structures</i> , <b>2001</b> , 54, 497-508	5.3	267
7	FREE AND FORCED VIBRATION OF REISSNER-MINDLIN PLATES WITH FREE EDGES RESTING ON ELASTIC FOUNDATIONS. <i>Journal of Sound and Vibration</i> , <b>2001</b> , 244, 299-320	3.9	56
6	FLOW-INDUCED VIBRATIONS OF SHEAR-DEFORMABLE LAMINATED PLATES EXPOSED TO AN OSCILLATING FLOW. <i>Journal of Sound and Vibration</i> , <b>2001</b> , 245, 29-44	3.9	1
5	Interfacial Stresses in Beams and Slabs Bonded with Thin Plate. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2001</b> , 127, 399-406	2.4	86
4	DYNAMIC RESPONSE OF REISSNER-MINDLIN PLATES UNDER THERMOMECHANICAL LOADING AND RESTING ON ELASTIC FOUNDATIONS. <i>Journal of Sound and Vibration</i> , <b>2000</b> , 232, 309-329	3.9	17
3	Nonlinear analysis of imperfect laminated thin plates under transverse and in-plane loads and resting on an elastic foundation by a semi-analytical approach. <i>Thin-Walled Structures</i> , <b>2000</b> , 38, 195-227	4.7	16
2	Formulation of a semi-analytical approach based on Gurtin variational principle for dynamic response of general thin plates. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>1997</b> , 18, 1059-1063	3.2	1
1	Nonlinear band gap characteristics of piezo-electro-magnetic phononic crystal micro and nanobeams based on size-dependent continuum mechanics models. <i>Mechanics of Advanced Materials and Structures</i> , 1-26	1.8	