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Free and forced vibrations of functionally graded polymer composite plates reinforced with graphene nanopla

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#	Paper	IF	Citations
446	Nonlinear vibration of functionally graded graphene-reinforced composite laminated plates in thermal environments. <b>2017</b> , 319, 175-193		155
445	Nonlinear bending of functionally graded graphene-reinforced composite laminated plates resting on elastic foundations in thermal environments. <i>Composite Structures</i> , <b>2017</b> , 170, 80-90	5.3	112
444	3D thermo-mechanical bending solution of functionally graded graphene reinforced circular and annular plates. <b>2017</b> , 49, 69-86		112
443	Thermal buckling and postbuckling of functionally graded graphene-reinforced composite laminated plates resting on elastic foundations. <b>2017</b> , 118, 229-237		95
442	Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). <b>2017</b> , 140, 110-119		198
441	Buckling and postbuckling of functionally graded graphene-reinforced composite laminated plates in thermal environments. <b>2017</b> , 119, 67-78		153
440	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
439	Nonlinear vibration of functionally graded graphene-reinforced composite laminated beams resting on elastic foundations in thermal environments. <b>2017</b> , 90, 899-914		74
438	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
437	Post-buckling analysis of refined shear deformable graphene platelet reinforced beams with porosities and geometrical imperfection. <i>Composite Structures</i> , <b>2017</b> , 181, 194-202	5.3	98
436	Nonlinear vibration of functionally graded graphene-reinforced composite laminated cylindrical shells in thermal environments. <i>Composite Structures</i> , <b>2017</b> , 182, 447-456	5.3	99
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434	Isogeometric thermal buckling analysis of temperature dependent FG graphene reinforced laminated plates using NURBS formulation. <i>Composite Structures</i> , <b>2017</b> , 180, 606-616	5.3	75
433	Large deflection geometrically nonlinear analysis of functionally graded multilayer graphene platelet-reinforced polymer composite rectangular plates. <i>Composite Structures</i> , <b>2017</b> , 180, 760-771	5.3	62
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425	Vibration and bending behavior of functionally graded nanocomposite doubly-curved shallow shells reinforced by graphene nanoplatelets. <b>2018</b> , 9, 550-559		140
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276	Free vibration analysis of rotating functionally graded GPL-reinforced truncated thick conical shells under different boundary conditions. <b>2020</b> , 1-32		13
275	Buckling analysis of rectangular sandwich plates with functionally graded graphene-reinforced face layers. <b>2020</b> , 42, 1		0
274	Investigation on free vibration and transient response of functionally graded graphene platelets reinforced cylindrical shell resting on elastic foundation. <b>2020</b> , 135, 1		8
273	Vibration Control of a Smart Shell Reinforced by Graphene Nanoplatelets. <b>2020</b> , 12, 2050066		45
272	Meshfree radial point interpolation method for the vibration and buckling analysis of FG-GPLRC perforated plates under an in-plane loading. <b>2020</b> , 221, 111000		26
271	Static and dynamic analyses of graphene-reinforced aluminium-based composite plate in thermal environment. <b>2020</b> , 107, 106354		23
270	Effects of non-uniform elastic foundation on the nonlinear vibration of nanocomposite plates in thermal environment using Selvadurai methodology. <i>Composite Structures</i> , <b>2020</b> , 253, 112812	5-3	8
269	Elasticity Solutions for In-Plane Free Vibration of FG-GPLRC Circular Arches with Various End Conditions. <b>2020</b> , 10, 4695		0
268	Bi-directional thermal buckling and resonance frequency characteristics of a GNP-reinforced composite nanostructure. <b>2020</b> , 1		25

267	Free vibration analysis of GNP-reinforced truncated conical shells with different boundary conditions. <b>2020</b> , 1-17	23
266	Nonlinear Dynamic Response of FG Graphene Platelets Reinforced Composite Beam with Edge Cracks in Thermal Environment. <b>2020</b> , 20, 2043005	18
265	An analytical solution for vibration analysis of sandwich plates reinforced with graphene nanoplatelets. <b>2020</b> , 1	5
264	Numerical phase-field vibration analysis of cracked functionally graded GPL-RC plates. <b>2020</b> , 1-20	10
263	Advances of the Shear Deformation Theory for Analyzing the Dynamics of Laminated Composite Plates: An Overview. <b>2020</b> , 56, 455-484	9
262	Static, natural frequency and dynamic analyses of functionally graded porous annular sector plates reinforced by graphene platelets. <b>2020</b> , 1-29	10
261	Stochastic isogeometric analysis for the linear stability assessment of plate structures using a Kriging enhanced Neural Network. <b>2020</b> , 157, 107120	3
260	Wave propagation response of agglomerated multi-scale hybrid nanocomposite plates. <b>2020</b> , 1-25	2
259	Dynamic buckling of functionally graded multilayer graphene nanocomposite annular plate under different boundary conditions in thermal environment. <b>2020</b> , 1	3
258	The preparation and application of polymer/graphene nanocomposites. <b>2020</b> , 9, 943-959	
257	Dynamic analysis of rotating laminated composite cantilever plates reinforced with graphene nanoplatelets using the element-free IMLS-Ritz method. <b>2020</b> , 1-18	7
256	Free Vibrations of Functionally Graded Graphene-Reinforced Composite Blades with Varying Cross-Sections. <b>2020</b> , 20, 2043006	5
255	Static bending and free vibration analysis of multilayered composite cylindrical and spherical panels reinforced with graphene platelets by using isogeometric analysis method. <b>2020</b> , 215, 110682	25
254	Static and Dynamic Analyses of Nanocomposite Plates in Mechanical and Aerodynamic Loading. <b>2020</b> , 12, 2050034	4
253	Pre-thermal buckling and frequency characteristics of imperfect graphene nanoplatelets reinforced composite curved open cylindrical micropanel under nonlinear thermal loading. <b>2020</b> , 1-24	3
252	Effects of elastic foundation on the large-amplitude vibration analysis of functionally graded GPL-RC annular sector plates. <b>2020</b> , 1	9
251	Post-buckling analysis of imperfect multi-scale hybrid nanocomposite beams rested on a nonlinear stiff substrate. <b>2020</b> , 1	11
250	Bzier extraction based isogeometric analysis for bending and free vibration behavior of multilayered functionally graded composite cylindrical panels reinforced with graphene platelets. <b>2020</b> , 183, 105744	10

249	Free vibration and dynamic transient response of functionally graded composite beams reinforced with graphene nanoplatelets (GPLs) resting on elastic foundation in thermal environment. <b>2020</b> , 1-21	8
248	Free vibration analysis of multilayer functionally graded polymer nanocomposite plates reinforced with nonlinearly distributed carbon-based nanofillers using a layer-wise formulation model. <b>2020</b> , 104, 105913	14
247	Flutter analysis of laminated composite quadrilateral plates reinforced with graphene nanoplatelets using the element-free IMLS-Ritz method. <b>2020</b> , 103, 105915	23
246	A meshfree approach using naturally stabilized nodal integration for multilayer FG GPLRC complicated plate structures. <b>2020</b> , 117, 346-358	52
245	On the dynamic of graphene reinforced nanocomposite cylindrical shells subjected to a moving harmonic load. <b>2020</b> , 154, 103339	46
244	Semi-analytical wave characteristics analysis of graphene-reinforced piezoelectric polymer nanocomposite cylindrical shells. <b>2020</b> , 186, 105890	16
243	Wave dispersion characteristics of thermally excited graphene oxide powder-reinforced nanocomposite plates. <b>2020</b> , 1-29	5
242	Vibration analysis of polymer composite plates reinforced with graphene platelets resting on two-parameter viscoelastic foundation. <b>2020</b> , 1	9
241	Critical Temperature and Frequency Characteristics of GPLs-Reinforced Composite Doubly Curved Panel. <b>2020</b> , 10, 3251	22
240	On buckling characteristics of polymer composite plates reinforced with graphene platelets. <b>2020</b> , 1	6
239	Vibration analysis of functionally graded graphene oxide-reinforced composite beams using a new Ritz-solution shape function. <b>2020</b> , 42, 1	8
238	Influence of graphene platelets on the response of composite plates subjected to a moving load. <b>2020</b> , 1-14	9
237	The critical voltage of a GPL-reinforced composite microdisk covered with piezoelectric layer. <b>2020</b> , 37, 3489	37
236	Analytical solution for vibration characteristics of rotating graphene nanoplatelet-reinforced plates under rub-impact and thermal shock. <b>2020</b> , 29, 2633366X2093365	7
235	Thermal vibration of functionally graded porous nanocomposite beams reinforced by graphene platelets. <b>2020</b> , 41, 1209-1226	8
234	Analysis of functionally graded doubly-curved shells with different materials via higher order shear deformation theory. <i>Composite Structures</i> , <b>2020</b> , 251, 112645	5-3 14
233	Nonlinear supersonic flutter study of porous 2D curved panels including graphene platelets reinforcement effect using trigonometric shear deformable finite element. <b>2020</b> , 125, 103543	5
232	Viscoelastic dynamics and static responses of a graphene nanoplatelets-reinforced composite cylindrical microshell. <b>2020</b> , 1-28	62

231	Out-of-plane vibration of laminated FG-GPLRC curved beams with piezoelectric layers. <b>2020</b> , 150, 106678		17
230	Functionally graded graphene reinforced composite structures: A review. <b>2020</b> , 210, 110339		149
229	Supersonic flutter study of porous 2D curved panels reinforced with graphene platelets using an accurate shear deformable finite element procedure. <i>Composite Structures</i> , <b>2020</b> , 241, 112058	5-3	11
228	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
227	Thermal Buckling Responses of a Graphene Reinforced Composite Micropanel Structure. <b>2020</b> , 12, 2050010		47
226	Advances in finite element modelling of graphene and associated nanostructures. <b>2020</b> , 140, 100544		19
225	Size-dependent buckling and vibration analyses of GNP reinforced microplates based on the quasi-3D sinusoidal shear deformation theory. <b>2020</b> , 1-22		27
224	Analysis of wave propagation in functionally graded piezoelectric composite plates reinforced with graphene platelets. <b>2020</b> , 81, 487-505		25
223	Nonlinear static behaviors of functionally graded polymer-based circular microarches reinforced by graphene oxide nanofillers. <b>2020</b> , 16, 102894		11
222	Analytical investigation on free vibration frequencies of polymer nano composite plate: Effect of graphene grading and non-uniform edge loading. <b>2020</b> , 24, 100910		15
221	Frequency characteristics of a GPL-reinforced composite microdisk coupled with a piezoelectric layer. <b>2020</b> , 135, 1		38
220	Static stability analysis of agglomerated multi-scale hybrid nanocomposites via a refined theory. <b>2020</b> , 37, 2225		12
219	Nonlinear dynamic analysis of moving bilayer plates resting on elastic foundations. <b>2020</b> , 41, 439-458		5
218	Three-dimensional thermoelasticity analysis of graphene platelets reinforced cylindrical panel. <b>2020</b> , 81, 103941		17
217	Nonlinear Dynamics of Composite Microsheet with Graphene Skins in Non-uniform Thermal Field. <b>2020</b> , 33, 707-718		1
216	Differential quadrature method for magneto-hygrothermal bending of functionally graded graphene/Al sandwich-curved beams with honeycomb core via a new higher-order theory. <b>2021</b> , 23, 1662-1700 <sup>31</sup>		
215	Buckling analysis of embedded graphene oxide powder-reinforced nanocomposite shells. <b>2021</b> , 17, 226-233		11
214	Elastic buckling and vibration analysis of FG polymer composite plates embedding graphene nanoplatelet reinforcements in thermal environment. <b>2021</b> , 28, 391-404		9

213	On the flutter of matrix cracked laminated composite plates reinforced with graphene nanoplatelets. <b>2021</b> , 158, 107161		14
212	Chaotic responses and nonlinear dynamics of the graphene nanoplatelets reinforced doubly-curved panel. <b>2021</b> , 85, 104091		52
211	Free vibration analysis of hybrid laminated plates containing multilayer functionally graded carbon nanotube-reinforced composite plies using a layer-wise formulation. <b>2021</b> , 91, 463-485		6
210	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
209	Impact response characteristics and meso-evolution mechanism of functionally gradient brittle materials with pore hole damage. <i>Composite Structures</i> , <b>2021</b> , 256, 112989	5-3	2
208	Free vibration of rotating pretwisted FG-GRC sandwich conical shells in thermal environment using HSDT. <i>Composite Structures</i> , <b>2021</b> , 257, 113144	5-3	13
207	Isogeometric analysis for postbuckling of sandwich cylindrical shell panels with graphene platelet reinforced functionally graded porous core. <i>Composite Structures</i> , <b>2021</b> , 260, 113258	5-3	18
206	The influence of mechanical uncertainties on the free vibration of functionally graded graphene-reinforced porous nanocomposite shells of revolution. <b>2021</b> , 228, 111356		11
205	Isogeometric nonlinear bending and instability analysis of cylindrical composite shells reinforced with graphene platelets. <i>Composite Structures</i> , <b>2021</b> , 258, 113401	5-3	4
204	Optimization and analysis of frequencies of multi-scale graphene/fibre reinforced nanocomposite laminates with non-uniform distributions of reinforcements. <b>2021</b> , 228, 111525		6
203	On the free vibration and bending analysis of functionally graded nanocomposite spherical shells reinforced with graphene nanoplatelets: Three-dimensional elasticity solutions. <b>2021</b> , 226, 111376		18
202	Vibration control of a smart shell reinforced by graphene nanoplatelets under external load: Semi-numerical and finite element modeling. <b>2021</b> , 159, 107242		45
201	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
200	Isogeometric analysis for size-dependent nonlinear free vibration of graphene platelet reinforced laminated annular sector microplates. <b>2021</b> , 86, 104171		23
199	The propagation of uncertainty in the geometrically nonlinear responses of smart sandwich porous cylindrical shells reinforced with graphene platelets. <i>Composite Structures</i> , <b>2021</b> , 258, 113209	5-3	15
198	A comprehensive analysis of auxetic honeycomb sandwich plates with graphene nanoplatelets reinforcement. <i>Composite Structures</i> , <b>2021</b> , 259, 113213	5-3	16
197	An analytical solution for static stability of multi-scale hybrid nanocomposite plates. <b>2021</b> , 37, 545-559		23
196	Temperature-dependent mechanical properties of defective graphene reinforced polymer nanocomposite. <b>2021</b> , 28, 1010-1019		6

195	Effect of porosity on buckling and vibrational characteristics of the imperfect GPLRC composite nanoshell. <b>2021</b> , 49, 811-840		52
194	Free vibration analysis of an electro-elastic GPLRC cylindrical shell surrounded by viscoelastic foundation using modified length-couple stress parameter. <b>2021</b> , 49, 738-762		81
193	Free vibration analysis of multi-scale hybrid nanocomposite plates with agglomerated nanoparticles. <b>2021</b> , 49, 487-510		27
192	Axial magnetic field effect on wave propagation in bi-layer FG graphene platelet-reinforced nanobeams. 1		15
191	Modeling and free vibration analysis of rotating hub-blade assemblies reinforced with graphene nanoplatelets. <b>2021</b> , 56, 563-573		8
190	Analysis of graphene nanoplatelet reinforced cylindrical shell subjected to thermo-mechanical loads. <i>Composite Structures</i> , <b>2021</b> , 255, 112924	5-3	13
189	Amplitude motion and frequency simulation of a composite viscoelastic microsystem within modified couple stress elasticity. 1		20
188	Layer Arrangement Impact on the Electromechanical Performance of a Five-Layer Multifunctional Smart Sandwich Plate. <b>2021</b> , 1-24		3
187	Vibrational frequencies of FG-GPLRC viscoelastic rectangular plate subjected to different temperature loadings based on higher-order shear deformation theory and utilizing GDQ procedure. 1-26		8
186	Wave propagation in rotating functionally graded GPL-reinforced cylindrical shells based on the third-order shear deformation theory. 1-27		7
185	Nonlinear vibration analysis of functionally graded GPL-RC conical panels resting on elastic medium. <b>2021</b> , 160, 107370		4
184	Stress waves in thick porous graphene-reinforced cylinders under thermal gradient environments. <b>2021</b> , 110, 106476		24
183	Influences of pressure and thermal environment on nonlinear vibration characteristics of multilayer FG-GPLRC toroidal panels on nonlinear elastic foundation. <i>Composite Structures</i> , <b>2021</b> , 259, 113503	5-3	7
182	Postbuckling of multilayer cylindrical and spherical shell panels reinforced with graphene platelet by isogeometric analysis. 1		4
181	An accurate size-dependent sinusoidal shear deformable framework for GNP-reinforced cylindrical panels: Applications to dynamic stability analysis. <b>2021</b> , 160, 107400		16
180	Analytical Solution for Static and Dynamic Analysis of Graphene-Based Hybrid Flexoelectric Nanostructures. <b>2021</b> , 5, 74		4
179	Free vibration and stability of graphene platelet reinforced porous nano-composite cylindrical panel: Influence of grading, porosity and non-uniform edge loads. <b>2021</b> , 230, 111670		6
178	Interlaminar stress analysis of functionally graded graphene reinforced composite laminated plates based on a refined plate theory. 1-13		0



177	High speed crack propagation characteristics of functionally graded brittle materials under ultra-high loading rate. <b>2021</b> , 161, 107397		3
176	Geometrically nonlinear free vibration of FG-GPLRC circular plate on the nonlinear elastic foundation. <i>Composite Structures</i> , <b>2021</b> , 261, 113515	5-3	26
175	Analytical Solution for Sound Radiation Characteristics of Graphene Nanocomposites Plate: Effect of Porosity and Variable Edge Load. <b>2021</b> , 21, 2150087		1
174	Analytical Prediction for Nonlinear Buckling of Elastically Supported FG-GPLRC Arches under a Central Point Load. <b>2021</b> , 14,		9
173	Effect of viscoelastic properties of polymer and wavy shape of the CNTs on the vibrational behaviors of CNT/glass fiber/polymer plates. 1		6
172	On the static and dynamic responses of smart piezoelectric functionally graded graphene platelet-reinforced microplates. <b>2021</b> , 197, 106310		12
171	Finite element model for carbon nanotube-reinforced and graphene nanoplatelet-reinforced composite beams. <i>Composite Structures</i> , <b>2021</b> , 264, 113739	5-3	3
170	Intelligent wave dispersion control of an inhomogeneous micro-shell using a proportional-derivative smart controller. 1-24		35
169	Analysis of vibration in rotating pretwisted functionally graded graphene platelets reinforced nanocomposite laminated blades with an attached point mass. 095440622110084		0
168	Free vibration analysis of FG-GPLRC L-shaped plates implementing GDQE approach. <b>2021</b> , 162, 107600		18
167	Frequency response of rotating two-directional functionally graded GPL-reinforced conical shells on elastic foundation. <b>2021</b> , 43, 1		3
166	Comparisons of nonlinear vibrations among pure polymer plate and graphene platelet reinforced composite plates under combined transverse and parametric excitations. <i>Composite Structures</i> , <b>2021</b> , 265, 113767	5-3	3
165	A comprehensive computer simulation of the size-dependent sector or complete microsystem via two-dimensional generalized differential quadrature method. 1		
164	Nonlinear vibration of FG-GPLRC dielectric plate with active tuning using differential quadrature method. <b>2021</b> , 379, 113761		18
163	Dynamic deflection and contact force histories of graphene platelets reinforced conical shell integrated with magnetostrictive layers subjected to low-velocity impact. <b>2021</b> , 163, 107706		21
162	Size-dependent postbuckling analysis of graphene reinforced composite microtubes with geometrical imperfection. <b>2021</b> , 199, 106428		16
161	Acoustic radiation and transmission loss of FG-Graphene composite plate under nonuniform edge loading. <b>2021</b> , 88, 104249		5
160	A refined nonlocal isogeometric model for multilayer functionally graded graphene platelet-reinforced composite nanoplates. <b>2021</b> , 164, 107862		17

159	Theoretical and Numerical Solution for the Bending and Frequency Response of Graphene Reinforced Nanocomposite Rectangular Plates. <b>2021</b> , 11, 6331		15
158	On the dynamics of FG-GPLRC sandwich cylinders based on an unconstrained higher-order theory. <i>Composite Structures</i> , <b>2021</b> , 267, 113879	5-3	11
157	Modeling and vibration analysis of a spinning assembled beam-plate structure reinforced by graphene nanoplatelets. <b>2021</b> , 232, 3863		2
156	Vibration analysis of graphene nanoplatelets-reinforced composite plates integrated by piezo-electromagnetic patches on the piezo-electromagnetic media. 1-31		6
155	Impact analysis of functionally-graded graphene nanoplatelets-reinforced composite plates laying on Winkler-Pasternak elastic foundations applying a meshless approach. <b>2021</b> , 241, 112453		4
154	Linear and nonlinear vibrations of graphene platelet reinforced composite tapered plates and cylindrical panels. <b>2021</b> , 115, 106798		8
153	Wave propagation in graphene reinforced piezoelectric sandwich nanoplates via high-order nonlocal strain gradient theory. 1		1
152	Damped harmonic vibrations of axisymmetric graphene-enhanced cylinders in thermal environment.		2
151	Analytical study of the damping vibration behavior of the metal foam nanocomposite plates reinforced with graphene oxide powders in thermal environments. <b>2021</b> , 21, 1		0
150	Parameter Interval Uncertainty Analysis of Internal Resonance of Rotating Porous Shaft-Disk-Blade Assemblies Reinforced by Graphene Nanoplatelets. <b>2021</b> , 14,		1
149	A Review on Fracture Analysis of CNT/Graphene Reinforced Composites for Structural Applications. 1		2
148	Free vibration and dynamic stability of functionally graded composite microtubes reinforced with graphene platelets. <i>Composite Structures</i> , <b>2021</b> , 272, 114231	5-3	12
147	Application of generalized differential quadrature element method to free vibration of FG-GPLRC T-shaped plates. <b>2021</b> , 242, 112510		17
146	Multiscale analysis on free vibration of functionally graded graphene reinforced PMMA composite plates. <b>2021</b> , 98, 38-58		4
145	Synthesis of graphene nanoplatelets/polythiophene nanocomposites With Enhanced Photocatalytic Degradation of Bromophenol Blue and Antibacterial Properties. <b>2021</b> , 142, 111435		4
144	Dynamic stability of axially moving graphene reinforced laminated composite plate under constant and varied velocities. <b>2021</b> , 167, 108176		5
143	Forced vibration characteristics of embedded graphene oxide powder reinforced metal foam nanocomposite plate in thermal environment. <b>2021</b> , 27, 101167		3
142	On the dynamics of rotating matrix cracked FG-GPLRC cylindrical shells via the element-free IMLS-Ritz method. <b>2021</b> , 131, 228-239		8

141	The thermo-elastic vibration of graphene reinforced composite stiffened plate with general boundary conditions. <b>2021</b> , 33, 99-112		2
140	Isogeometric analysis for buckling and postbuckling of graphene platelet reinforced composite plates in thermal environments. <b>2021</b> , 244, 112746		2
139	Free vibration of functionally graded graphene platelet reinforced plates: A quasi 3D shear and normal deformable plate model. <i>Composite Structures</i> , <b>2021</b> , 275, 114409	5-3	12
138	Meshless numerical approach to flutter analysis of rotating pre-twisted nanocomposite blades subjected to supersonic airflow. <b>2021</b> , 132, 1-11		6
137	An improved layerwise formulation for free vibrations of multilayered FG truncated conical shells reinforced by carbon nanotubes. <i>Composite Structures</i> , <b>2021</b> , 275, 114372	5-3	2
136	Wave dispersion characteristics of graphene reinforced nanocomposite curved viscoelastic panels. <i>Composite Structures</i> , <b>2021</b> , 277, 114648	5-3	8
135	Nonlinear vibrations of functionally graded graphene reinforced composite cylindrical panels. <b>2022</b> , 101, 1-18		4
134	Postbuckling analysis of axially-loaded functionally graded GPL-reinforced composite conical shells. <b>2020</b> , 148, 106594		30
133	2D magnetic field effect on the thermal buckling of metal foam nanoplates reinforced with FG-GPLs lying on Pasternak foundation in humid environment. <b>2020</b> , 135, 1		5
132	Two phase local/non local waves in a magneto thermo electrical composite nano beam reinforced with graphene oxide powder. 1-26		0
131	Buckling and free vibration analysis of shear deformable graphene-reinforced composite laminated plates. <i>Composite Structures</i> , <b>2022</b> , 280, 114854	5-3	2
130	Coupled stress based formulation for static and dynamic analyses of a higher-order shear and normal deformable FG-GPL reinforced microplates. 1-26		3
129	Aeroelastic flutter analysis of functionally graded spinning cylindrical shells reinforced with graphene nanoplatelets in supersonic flow.		2
128	Buckling and free vibration of axially functionally graded graphene reinforced nanocomposite beams. <b>2021</b> , 249, 113327		6
127	On the dynamics of rotating cracked functionally graded blades reinforced with graphene nanoplatelets. <b>2021</b> , 249, 113286		4
126	Nonlinear Bending Analysis of FG Porous Beams Reinforced with Graphene Platelets Under Various Boundary Conditions by Ritz Method. <b>2022</b> , 72-86		0
125	Free and forced vibration analysis of flyash/graphene filled laminated composite plates using higher order shear deformation theory. 095440622110531		3
124	Smart laminates with an auxetic ply rested on visco-Pasternak medium: Active control of the system's oscillation. 1		1

123	A size-dependent nonlinear finite element free vibration analysis of multilayer FG-GPLRC toroidal micropanels in thermal environment. <i>Composite Structures</i> , <b>2022</b> , 279, 114783	5-3	2
122	Hygrothermal deformation of spinning FG graphene sandwich cylindrical shells having an auxetic core. <b>2022</b> , 251, 113433		7
121	A unified modeling method for dynamic analysis of GPLs-FGP sandwich shallow shell embedded SMA wires with general boundary conditions under hygrothermal loading. <b>2022</b> , 250, 113439		0
120	Modeling dynamic characteristics of the thermally affected embedded laminated nanocomposite beam containing multi-scale hybrid reinforcement. 1-30		0
119	A molecular dynamics study of the mechanical and electrical properties of Polydimethylsiloxane-Ni conductive nanocomposites. <b>2020</b> , 200, 108463		0
118	On the dynamics and wave propagation of reinforced composite nanosystem. 1		
117	Wave propagation and free vibration of FG graphene platelets sandwich curved beam with auxetic core resting on viscoelastic foundation via DQM. <b>2022</b> , 22, 1		6
116	Vibration and frequency analysis of edge-cracked functionally graded graphene reinforced composite beam with piezoelectric actuators. 1		1
115	Effect of Thickness Stretching on Bending and Free Vibration Behaviors of Functionally Graded Graphene Reinforced Composite Plates. <b>2021</b> , 11, 11362		5
114	On the free vibration behavior of nanocomposite laminated plates contained piece-wise functionally graded graphene-reinforced composite plies. <b>2022</b> , 253, 113784		1
113	Modified couple stress-based nonlinear static bending and transient responses of size-dependent sandwich microplates with graphene nanocomposite and porous layers. <b>2022</b> , 171, 108704		0
112	Coupled dynamics of axially functionally graded graphene nanoplatelets-reinforced viscoelastic shear deformable beams with material and geometric imperfections. <b>2022</b> , 136, 4-36		2
111	Active Flutter Suppression and Aeroelastic Response of Functionally Graded Multilayer Graphene Nanoplatelet Reinforced Plates with Piezoelectric Patch. <b>2022</b> , 12, 1244		2
110	Wave propagation of the viscoelastic FG-GPLRPC microplate via sinusoidal shear deformation theory (SSDT) and modified coupled stress theory (MCST). 1-25		1
109	Mechanical and thermal buckling of FG-GPLs sandwich plates with negative Poisson's ratio honeycomb core on an elastic substrate. <b>2022</b> , 137, 1		4
108	Machine learning assisted prediction of mechanical properties of graphene/aluminium nanocomposite based on molecular dynamics simulation. <b>2022</b> , 213, 110334		4
107	On the free vibrations of FG-GPLRC folded plates using GDQE procedure. <i>Composite Structures</i> , <b>2022</b> , 286, 115273	5-3	5
106	Three dimensional free vibration analysis of functionally graded graphene reinforced composite laminated cylindrical panel. 146442072110734		1

105	Flexoelectricity and surface effects on coupled electromechanical responses of graphene reinforced functionally graded nanocomposites: A unified size-dependent semi-analytical framework. <b>2022</b> , 169, 108757		4
104	Dynamic stability of graded graphene reinforced truncated conical shells under both periodic spinning speeds and axial loads considering thermal effects. <b>2022</b> , 256, 113963		1
103	Employing adaptive learning rate method for analysis and efficient approach for predicting low-velocity impact performance in composite curved open-type shell. 1-28		
102	Three-Dimensional Response of Multilayer FG-GPLRC Spherical Panels Under Blast Loading.		0
101	Free vibration response of graphene reinforced polymer composite face sheet sandwich panel under thermal environment. <b>2022</b> ,		0
100	Dispersion and band gaps of elastic guided waves in the multi-scale periodic composite plates. <b>2022</b> , 124, 107513		8
99	Resonance in dangerous mode and chaotic dynamics of a rotating pre-twisted graphene reinforced composite blade with variable thickness. <i>Composite Structures</i> , <b>2022</b> , 288, 115422	5-3	0
98	Dynamic characteristics of composite micro lattice plates comprises of graphene nanoplatelets based on MCST theory. <b>2022</b> , 175, 109200		0
97	Nonlinear vibrations and dynamic snap-through behaviors of four-corner simply supported bistable asymmetric laminated composite square shell. <b>2022</b> , 173, 109023		0
96	An Alternative Electro-Mechanical Finite Formulation for Functionally Graded Graphene-Reinforced Composite Beams with Macro-Fiber Composite Actuator.. <b>2021</b> , 14,		0
95	Parametric study on nonlinear dynamic characteristics of functionally graded graphene nanoplatelets reinforced composite plates. <b>2021</b> , 35, 5335-5349		
94	On linear and nonlinear bending of functionally graded graphene nanoplatelet reinforced composite beams using Gram-Schmidt-Ritz method. 1-27		0
93	A new efficient buckling investigation of functionally graded CNT/fiber/polymer/metal composite panels exposed to hydrostatic pressure considering simultaneous manufacturing-induced agglomeration and imperfection issues. <b>2021</b> , 136, 1		0
92	A numerical solution for thermal free vibration analysis of rotating pre-twisted FG-GRC cylindrical shell panel. 1-19		3
91	Investigation of graphene nanoplatelets-deposited textured metal matrix composite plates for improved mechanical properties: a numerical approach. <b>2022</b> , 44, 1		0
90	Stability of an axially moving laminated composite beam reinforced with graphene nanoplatelets. 1		
89	Graphene-reinforced nanocomposites: synthesis, micromechanics models, analysis and applications  review. 095440622210917		0
88	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

87	Free vibrations of graphene platelet reinforced composite skew plates resting on point supports. <b>2022</b> , 176, 109363	6
86	Nonlinear vibration of third-order shear deformable FG-GPLRC beams under time-dependent forces: GramSchmidtRitz method. <b>2022</b> , 176, 109343	1
85	Wave Propagation Characteristics of Thermoelastic Graphene Platelet Reinforced Polygonal Ring with Phase Lags. <b>2021</b> , 32, 453-477	
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75	Nonlinear dynamic instability of edge-cracked functionally graded graphene-reinforced composite beams.	1
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67	Postbuckling analysis of FG-GPLs-reinforced double-layered microbeams system integrated with an elastic foundation exposed to thermal load. <b>2022</b> , 137,	1
66	Three-dimensional free vibration analysis of functionally graded graphene platelets-reinforced composite toroidal shells. <b>2022</b> , 269, 114795	0
65	Natural frequency analysis of imperfect GNPRN conical shell, cylindrical shell, and annular plate structures resting on Winkler-Pasternak Foundations under arbitrary boundary conditions. <b>2022</b> , 144, 145-164	5
64	Post-buckling behavior of rectangular multilayer FG-GPLRC plate with initial geometric defects subjected to non-uniform in-plane compression loads in thermal environment. 1-20	0
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62	Vibration analysis of rotating functionally graded graphene platelet reinforced composite shaft-disc system under various boundary conditions. <b>2022</b> , 144, 380-398	1
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60	Nonlinear dynamic responses of functionally graded graphene platelet reinforced composite cantilever rotating warping plate. <b>2023</b> , 113, 44-70	0
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54	The effect of porosity distributions on post-buckling of imperfect nanocomposite plate by TSDT.	0
53	Reddy's third-order shear deformation shell theory for free vibration analysis of rotating stiffened advanced nanocomposite toroidal shell segments in thermal environments.	0
52	Natural frequency prediction of functionally graded graphene-reinforced nanocomposite plates using ensemble learning and support vector machine models. 095440622211266	0

51	Vibrational characteristics of functionally graded graphene origami-enabled auxetic metamaterial beams based on machine learning assisted models. <b>2022</b> , 130, 107906	1
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44	Two phase local/nonlocal thermo elastic waves in a graphene oxide composite nanobeam subjected to electrical potential.	0
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40	Stress waves in a lightweight substrate plate actuated with piezoelectric layers under sinusoidal time-dependent pressures. <b>2023</b> , 132, 108057	1
39	Bi-nonlinear isogeometric analysis of graphene platelets reinforced functionally graded porous plates bonded with piezoelectrics. <b>2023</b> , 306, 116569	0
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31	A strategy improving stiffness to resist local vibration of sandwich plates by extended Legendre higher-order model. 1-18	0
30	Free vibration analysis of cylindrical sandwich panel with electro-rheological core and FG-GLRC facing sheets based on First order shear deformation theory referred by Qatu. 107754632211485	0
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18	Thermal vibration analysis of functionally graded graphene platelets-reinforced porous beams using the transfer function method. <b>2023</b> , 284, 115963	0
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