

List of Publications by Citations

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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.

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|--------------------|--------------------------|----------------|-----------------|
| 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 | Nonlinear free vibration of functionally graded carbon nanotube-reinforced composite beams. <i>Composite Structures</i> , 2010 , 92, 676-683 | 5.3 | 407 |
| 281 | Free and forced vibrations of functionally graded polymer composite plates reinforced with graphene nanoplatelets. <i>Composite Structures</i> , 2017 , 159, 579-588 | 5.3 | 381 |
| 280 | Free vibration and elastic buckling of functionally graded porous beams reinforced by graphene platelets. <i>Materials and Design</i> , 2017 , 116, 656-665 | 8.1 | 313 |
| 279 | Nonlinear free vibration of size-dependent functionally graded microbeams. <i>International Journal of Engineering Science</i> , 2012 , 50, 256-267 | 5.7 | 306 |
| 278 | Buckling and postbuckling of functionally graded multilayer graphene platelet-reinforced composite beams. <i>Composite Structures</i> , 2017 , 161, 111-118 | 5.3 | 283 |
| 277 | VIBRATION CHARACTERISTICS AND TRANSIENT RESPONSE OF SHEAR-DEFORMABLE FUNCTIONALLY GRADED PLATES IN THERMAL ENVIRONMENTS. <i>Journal of Sound and Vibration</i> , 2002 , 255, 579-602 | 3.9 | 282 |
| 276 | Dynamic response of initially stressed functionally graded rectangular thin plates. <i>Composite Structures</i> , 2001 , 54, 497-508 | 5.3 | 267 |
| 275 | Elastic buckling and static bending of shear deformable functionally graded porous beam. <i>Composite Structures</i> , 2015 , 133, 54-61 | 5.3 | 247 |
| 274 | Nonlinear bending of polymer nanocomposite beams reinforced with non-uniformly distributed graphene platelets (GPLs). <i>Composites Part B: Engineering</i> , 2017 , 110, 132-140 | 10 | 247 |
| 273 | Buckling and free vibration analyses of functionally graded graphene reinforced porous nanocomposite plates based on Chebyshev-Ritz method. <i>Composite Structures</i> , 2018 , 193, 281-294 | 5.3 | 239 |
| 272 | Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. <i>International Journal of Solids and Structures</i> , 2003 , 40, 3869-3892 | 3.1 | 238 |
| 271 | Nonlinear free vibration of single-walled carbon nanotubes using nonlocal Timoshenko beam theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 1727-1735 | 3 | 234 |
| 270 | Free and forced vibrations of shear deformable functionally graded porous beams. <i>International Journal of Mechanical Sciences</i> , 2016 , 108-109, 14-22 | 5.5 | 228 |
| 269 | Nonlinear vibration and postbuckling of functionally graded graphene reinforced porous nanocomposite beams. <i>Composites Science and Technology</i> , 2017 , 142, 235-245 | 8.6 | 220 |
| 268 | Nonlinear free vibration of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. <i>Computational Materials Science</i> , 2009 , 47, 409-417 | 3.2 | 202 |
| 267 | Nonlinear free vibration of shear deformable sandwich beam with a functionally graded porous core. <i>Thin-Walled Structures</i> , 2016 , 107, 39-48 | 4.7 | 200 |
| 266 | Free vibration of size-dependent Mindlin microplates based on the modified couple stress theory. <i>Journal of Sound and Vibration</i> , 2012 , 331, 94-106 | 3.9 | 199 |

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| 265 | Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). <i>Engineering Structures</i> , 2017 , 140, 110-119 | 4.7 | 198 |
| 264 | Bending and buckling analyses of functionally graded polymer composite plates reinforced with graphene nanoplatelets. <i>Composites Part B: Engineering</i> , 2018 , 134, 106-113 | 10 | 187 |
| 263 | Dynamic instability of functionally graded multilayer graphene nanocomposite beams in thermal environment. <i>Composite Structures</i> , 2017 , 162, 244-254 | 5.3 | 184 |
| 262 | Free vibration and parametric resonance of shear deformable functionally graded cylindrical panels. <i>Journal of Sound and Vibration</i> , 2003 , 261, 871-893 | 3.9 | 175 |
| 261 | Free vibration and buckling analyses of functionally graded beams with edge cracks. <i>Composite Structures</i> , 2008 , 83, 48-60 | 5.3 | 174 |
| 260 | Free and forced vibration of a laminated FGM Timoshenko beam of variable thickness under heat conduction. <i>Composites Part B: Engineering</i> , 2008 , 39, 292-303 | 10 | 172 |
| 259 | Large amplitude vibration of carbon nanotube reinforced functionally graded composite beams with piezoelectric layers. <i>Composite Structures</i> , 2013 , 96, 716-725 | 5.3 | 165 |
| 258 | Vibration characteristics of functionally graded graphene reinforced porous nanocomposite cylindrical shells with spinning motion. <i>Composites Part B: Engineering</i> , 2018 , 145, 1-13 | 10 | 161 |
| 257 | Thermo-electro-mechanical vibration of piezoelectric nanoplates based on the nonlocal theory. <i>Composite Structures</i> , 2013 , 106, 167-174 | 5.3 | 158 |
| 256 | Free vibration of size-dependent magneto-electro-elastic nanoplates based on the nonlocal theory. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014 , 30, 516-525 | 2 | 157 |
| 255 | Thermal buckling and postbuckling of functionally graded graphene nanocomposite plates. <i>Materials and Design</i> , 2017 , 132, 430-441 | 8.1 | 152 |
| 254 | Functionally graded graphene reinforced composite structures: A review. <i>Engineering Structures</i> , 2020 , 210, 110339 | 4.7 | 149 |
| 253 | Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. <i>Composite Structures</i> , 2018 , 189, 560-569 | 5.3 | 149 |
| 252 | Nonlinear bending analysis of shear deformable functionally graded plates subjected to thermo-mechanical loads under various boundary conditions. <i>Composites Part B: Engineering</i> , 2003 , 34, 103-115 | 10 | 148 |
| 251 | Bending, buckling and vibration of size-dependent functionally graded annular microplates. <i>Composite Structures</i> , 2012 , 94, 3250-3257 | 5.3 | 141 |
| 250 | An analytical study on the nonlinear vibration of functionally graded beams. <i>Meccanica</i> , 2010 , 45, 743-752 | 1 | 140 |
| 249 | Chaotic vibrations of an orthotropic FGM rectangular plate based on third-order shear deformation theory. <i>Nonlinear Dynamics</i> , 2010 , 59, 619-660 | 5 | 138 |
| 248 | Bending and vibration analysis of functionally graded trapezoidal nanocomposite plates reinforced with graphene nanoplatelets (GPLs). <i>Composite Structures</i> , 2017 , 180, 799-808 | 5.3 | 137 |

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|-----|--|-----|-----|
| 247 | Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003 , 192, 3861-3885 | 5.7 | 136 |
| 246 | Nonlinear vibration of edge cracked functionally graded Timoshenko beams. <i>Journal of Sound and Vibration</i> , 2009 , 324, 962-982 | 3.9 | 135 |
| 245 | Nonlinear dynamics of FGM circular cylindrical shell with clamped-clamped edges. <i>Composite Structures</i> , 2012 , 94, 1075-1086 | 5.3 | 126 |
| 244 | Free and forced vibration of cracked inhomogeneous beams under an axial force and a moving load. <i>Journal of Sound and Vibration</i> , 2008 , 312, 166-181 | 3.9 | 126 |
| 243 | Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. <i>International Journal of Solids and Structures</i> , 2006 , 43, 307-324 | 3.1 | 126 |
| 242 | Buckling and postbuckling of biaxially compressed functionally graded multilayer graphene nanoplatelet-reinforced polymer composite plates. <i>International Journal of Mechanical Sciences</i> , 2017 , 131-132, 345-355 | 5.5 | 123 |
| 241 | Thermo-electro-mechanical characteristics of functionally graded piezoelectric actuators. <i>Smart Materials and Structures</i> , 2007 , 16, 784-797 | 3.4 | 122 |
| 240 | Flexural Vibration and Elastic Buckling of a Cracked Timoshenko Beam Made of Functionally Graded Materials. <i>Mechanics of Advanced Materials and Structures</i> , 2009 , 16, 488-502 | 1.8 | 119 |
| 239 | Nonlinear free vibration of functionally graded graphene platelets reinforced porous nanocomposite plates resting on elastic foundation. <i>Composite Structures</i> , 2018 , 204, 831-846 | 5.3 | 118 |
| 238 | Dynamic Stability of Functionally Graded Carbon Nanotube-Reinforced Composite Beams. <i>Mechanics of Advanced Materials and Structures</i> , 2013 , 20, 28-37 | 1.8 | 117 |
| 237 | Nonlinear oscillation of a cantilever FGM rectangular plate based on third-order plate theory and asymptotic perturbation method. <i>Composites Part B: Engineering</i> , 2011 , 42, 402-413 | 10 | 116 |
| 236 | Thermal bifurcation buckling of piezoelectric carbon nanotube reinforced composite beams. <i>Computers and Mathematics With Applications</i> , 2013 , 66, 1147-1160 | 2.7 | 115 |
| 235 | A three-dimensional finite element study on the biomechanical behavior of an FGBM dental implant in surrounding bone. <i>Journal of Biomechanics</i> , 2007 , 40, 2377-85 | 2.9 | 115 |
| 234 | 3D thermo-mechanical bending solution of functionally graded graphene reinforced circular and annular plates. <i>Applied Mathematical Modelling</i> , 2017 , 49, 69-86 | 4.5 | 112 |
| 233 | Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. <i>International Journal of Solids and Structures</i> , 2004 , 41, 2235-2257 | 3.1 | 112 |
| 232 | Second-order statistics of the elastic buckling of functionally graded rectangular plates. <i>Composites Science and Technology</i> , 2005 , 65, 1165-1175 | 8.6 | 112 |
| 231 | Nonlinear vibration of functionally graded carbon nanotube-reinforced composite beams with geometric imperfections. <i>Composites Part B: Engineering</i> , 2016 , 90, 86-96 | 10 | 111 |
| 230 | Random vibration of the functionally graded laminates in thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 1075-1095 | 5.7 | 108 |

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| 229 | Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2004 , 71, 839-850 ^{2.7} | 99 |
| 228 | Buckling of spinning functionally graded graphene reinforced porous nanocomposite cylindrical shells: An analytical study. <i>Aerospace Science and Technology</i> , 2018 , 82-83, 466-478 | 4.9 93 |
| 227 | Eigenvalue buckling of functionally graded cylindrical shells reinforced with graphene platelets (GPL). <i>Composite Structures</i> , 2018 , 202, 38-46 | 5.3 92 |
| 226 | Nonlinear vibration of a coating-FGM-substrate cylindrical panel subjected to a temperature gradient. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 1007-1026 | 5.7 91 |
| 225 | Stochastic analysis of compositionally graded plates with system randomness under static loading. <i>International Journal of Mechanical Sciences</i> , 2005 , 47, 1519-1541 | 5.5 88 |
| 224 | Pull-in instability of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Acta Mechanica</i> , 2011 , 218, 161-174 | 2.1 87 |
| 223 | Parametric instability of thermo-mechanically loaded functionally graded graphene reinforced nanocomposite plates. <i>International Journal of Mechanical Sciences</i> , 2018 , 135, 431-440 | 5.5 87 |
| 222 | The size-dependent vibration of embedded magneto-electro-elastic cylindrical nanoshells. <i>Smart Materials and Structures</i> , 2014 , 23, 125036 | 3.4 86 |
| 221 | Interfacial Stresses in Beams and Slabs Bonded with Thin Plate. <i>Journal of Engineering Mechanics - ASCE</i> , 2001 , 127, 399-406 | 2.4 86 |
| 220 | Postbuckling analysis of edge cracked functionally graded Timoshenko beams under end shortening. <i>Composite Structures</i> , 2009 , 90, 152-160 | 5.3 84 |
| 219 | Pull-in instability of nano-switches using nonlocal elasticity theory. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 035103 | 3 84 |
| 218 | Nonlinear free vibration of graded graphene reinforced cylindrical shells: Effects of spinning motion and axial load. <i>Journal of Sound and Vibration</i> , 2018 , 437, 79-96 | 3.9 78 |
| 217 | 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> , 2015 , 15, 1540011 | 1.9 76 |
| 216 | Axisymmetric nonlinear free vibration of size-dependent functionally graded annular microplates. <i>Composites Part B: Engineering</i> , 2013 , 53, 207-217 | 10 76 |
| 215 | 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> , 2004 , 59, 1605-1632 ^{2.4} | 76 |
| 214 | Dynamic response and energy absorption of functionally graded porous structures. <i>Materials and Design</i> , 2018 , 140, 473-487 | 8.1 75 |
| 213 | Torsional buckling of graphene platelets (GPLs) reinforced functionally graded cylindrical shell with cutout. <i>Composite Structures</i> , 2018 , 197, 72-79 | 5.3 75 |
| 212 | Thermoelastic analysis of functionally graded graphene reinforced rectangular plates based on 3D elasticity. <i>Meccanica</i> , 2017 , 52, 2275-2292 | 2.1 74 |

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|-----|--|-----|----|
| 211 | Imperfection sensitivity of thermal post-buckling behaviour of functionally graded carbon nanotube-reinforced composite beams. <i>Applied Mathematical Modelling</i> , 2017 , 42, 735-752 | 4.5 | 74 |
| 210 | Axisymmetric postbuckling analysis of size-dependent functionally graded annular microplates using the physical neutral plane. <i>International Journal of Engineering Science</i> , 2014 , 81, 66-81 | 5.7 | 68 |
| 209 | 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> , 2008 , 45, 3313-3333 | 3.1 | 68 |
| 208 | Buckling of Graphene Platelet Reinforced Composite Cylindrical Shell with Cutout. <i>International Journal of Structural Stability and Dynamics</i> , 2018 , 18, 1850040 | 1.9 | 68 |
| 207 | Postbuckling of internal pressure loaded FGM cylindrical shells surrounded by an elastic medium. <i>European Journal of Mechanics, A/Solids</i> , 2010 , 29, 448-460 | 3.7 | 66 |
| 206 | Dynamic behaviour of edge-cracked shear deformable functionally graded beams on an elastic foundation under a moving load. <i>Composite Structures</i> , 2011 , 93, 2992-3001 | 5.3 | 60 |
| 205 | Nonlinear dynamic response of a functionally graded plate with a through-width surface crack. <i>Nonlinear Dynamics</i> , 2010 , 59, 207-219 | 5 | 60 |
| 204 | Imperfection sensitivity of the post-buckling behavior of higher-order shear deformable functionally graded plates. <i>International Journal of Solids and Structures</i> , 2006 , 43, 5247-5266 | 3.1 | 60 |
| 203 | Dynamic stability of laminated FGM plates based on higher-order shear deformation theory. <i>Computational Mechanics</i> , 2004 , 33, 305-315 | 4 | 59 |
| 202 | Nonlinear in-plane instability of functionally graded multilayer graphene reinforced composite shallow arches. <i>Composite Structures</i> , 2018 , 204, 301-312 | 5.3 | 58 |
| 201 | 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> , 2014 , 14, 1350067 | 1.9 | 57 |
| 200 | Analytical prediction of the impact response of graphene reinforced spinning cylindrical shells under axial and thermal loads. <i>Applied Mathematical Modelling</i> , 2019 , 71, 331-348 | 4.5 | 56 |
| 199 | FREE AND FORCED VIBRATION OF REISSNER-MINDLIN PLATES WITH FREE EDGES RESTING ON ELASTIC FOUNDATIONS. <i>Journal of Sound and Vibration</i> , 2001 , 244, 299-320 | 3.9 | 56 |
| 198 | Dynamic instability of functionally graded porous arches reinforced by graphene platelets. <i>Thin-Walled Structures</i> , 2020 , 147, 106491 | 4.7 | 55 |
| 197 | Buckling and bending analyses of a novel functionally graded porous plate using Chebyshev-Ritz method. <i>Archives of Civil and Mechanical Engineering</i> , 2019 , 19, 157-170 | 3.4 | 55 |
| 196 | Nonlinear transient response of functionally graded plates with general imperfections in thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2007 , 196, 2619-2630 | 5.7 | 52 |
| 195 | Thermoelastic frictional contact of functionally graded materials with arbitrarily varying properties. <i>International Journal of Mechanical Sciences</i> , 2012 , 63, 86-98 | 5.5 | 48 |
| 194 | Low-velocity impact response of geometrically nonlinear functionally graded graphene platelet-reinforced nanocomposite plates. <i>Nonlinear Dynamics</i> , 2019 , 95, 2333-2352 | 5 | 47 |

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| 193 | Imperfection sensitivity of postbuckling behaviour of functionally graded carbon nanotube-reinforced composite beams. <i>Thin-Walled Structures</i> , 2016 , 108, 225-233 | 4.7 | 46 |
| 192 | 3D thermo-mechanical solution of transversely isotropic and functionally graded graphene reinforced elliptical plates. <i>Composite Structures</i> , 2018 , 184, 1040-1048 | 5.3 | 45 |
| 191 | Sliding frictional contact analysis of functionally graded piezoelectric layered half-plane. <i>Acta Mechanica</i> , 2010 , 209, 249-268 | 2.1 | 44 |
| 190 | Dynamic buckling of functionally graded graphene nanoplatelets reinforced composite shallow arches under a step central point load. <i>Journal of Sound and Vibration</i> , 2020 , 465, 115019 | 3.9 | 44 |
| 189 | Thermal-mechanical-electrical buckling behavior of functionally graded micro-beams based on modified couple stress theory. <i>Composite Structures</i> , 2018 , 202, 625-634 | 5.3 | 43 |
| 188 | Pull-in instability and free vibration of electrically actuated poly-SiGe graded micro-beams with a curved ground electrode. <i>Applied Mathematical Modelling</i> , 2012 , 36, 1875-1884 | 4.5 | 43 |
| 187 | Two-dimensional contact problem for a coating-graded layer-substrate structure under a rigid cylindrical punch. <i>International Journal of Mechanical Sciences</i> , 2008 , 50, 985-994 | 5.5 | 43 |
| 186 | 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> , 2019 , 458, 89-108 | 3.9 | 40 |
| 185 | Nonlinear vibration of piezoelectric nanoplates using nonlocal Mindlin plate theory. <i>Mechanics of Advanced Materials and Structures</i> , 2018 , 25, 1252-1264 | 1.8 | 40 |
| 184 | Nonlinear free vibration of cracked functionally graded graphene platelet-reinforced nanocomposite beams in thermal environments. <i>Journal of Sound and Vibration</i> , 2020 , 468, 115115 | 3.9 | 40 |
| 183 | Size effect on the free vibration of geometrically nonlinear functionally graded micro-beams under electrical actuation and temperature change. <i>Composite Structures</i> , 2015 , 133, 1137-1148 | 5.3 | 39 |
| 182 | Large amplitude vibration of functionally graded graphene nanocomposite annular plates in thermal environments. <i>Composite Structures</i> , 2020 , 239, 112047 | 5.3 | 39 |
| 181 | Effects of Graphene Nanoplatelet Size and Surface Area on the AC Electrical Conductivity and Dielectric Constant of Epoxy Nanocomposites. <i>Polymers</i> , 2018 , 10, | 4.5 | 39 |
| 180 | Tensile behavior of polymer nanocomposite reinforced with graphene containing defects. <i>European Polymer Journal</i> , 2018 , 98, 475-482 | 5.2 | 39 |
| 179 | Nonlinear Vibration of Nonlocal Piezoelectric Nanoplates. <i>International Journal of Structural Stability and Dynamics</i> , 2015 , 15, 1540013 | 1.9 | 38 |
| 178 | Nonlinear static and dynamic responses of graphene platelets reinforced composite beam with dielectric permittivity. <i>Applied Mathematical Modelling</i> , 2019 , 71, 298-315 | 4.5 | 38 |
| 177 | Nonlinear dynamic buckling of functionally graded porous beams. <i>Mechanics of Advanced Materials and Structures</i> , 2021 , 28, 418-429 | 1.8 | 38 |
| 176 | Buckling and postbuckling of dielectric composite beam reinforced with Graphene Platelets (GPLs). <i>Aerospace Science and Technology</i> , 2019 , 91, 208-218 | 4.9 | 37 |

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| 175 | Three-dimensional free vibration and bending analyses of functionally graded graphene nanoplatelets-reinforced nanocomposite annular plates. <i>Composite Structures</i> , 2019 , 229, 111453 | 5.3 | 37 |
| 174 | Dynamic characteristics of functionally graded porous beams with interval material properties. <i>Engineering Structures</i> , 2019 , 197, 109441 | 4.7 | 36 |
| 173 | Critical examination of midplane and neutral plane formulations for vibration analysis of FGM beams. <i>Engineering Structures</i> , 2017 , 130, 275-281 | 4.7 | 36 |
| 172 | Interfacial stresses of FRP strengthened concrete beams: Effect of shear deformation. <i>Composite Structures</i> , 2007 , 80, 343-351 | 5.3 | 36 |
| 171 | Wave propagation characteristics in magneto-electro-elastic nanoshells using nonlocal strain gradient theory. <i>Composite Structures</i> , 2018 , 199, 10-23 | 5.3 | 36 |
| 170 | Active control of dynamic behaviors of graded graphene reinforced cylindrical shells with piezoelectric actuator/sensor layers. <i>Applied Mathematical Modelling</i> , 2020 , 82, 252-270 | 4.5 | 35 |
| 169 | Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. <i>Journal of Sound and Vibration</i> , 2012 , 331, 3397-3411 | 3.9 | 35 |
| 168 | Frictionless contact analysis of a functionally graded piezoelectric layered half-plane. <i>Smart Materials and Structures</i> , 2008 , 17, 025003 | 3.4 | 35 |
| 167 | Tensile property enhancement of defective graphene/epoxy nanocomposite by hydrogen functionalization. <i>Composite Structures</i> , 2019 , 224, 111079 | 5.3 | 34 |
| 166 | Probabilistic stability analysis of functionally graded graphene reinforced porous beams. <i>Aerospace Science and Technology</i> , 2020 , 98, 105738 | 4.9 | 34 |
| 165 | Viscoelastic bistable behaviour of antisymmetric laminated composite shells with time-temperature dependent properties. <i>Thin-Walled Structures</i> , 2018 , 122, 403-415 | 4.7 | 34 |
| 164 | Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Smart Materials and Structures</i> , 2010 , 19, 115028 | 3.4 | 32 |
| 163 | Nonlinear Dynamics of Cantilever FGM Cylindrical Shell under 1:2 Internal Resonance Relations. <i>Mechanics of Advanced Materials and Structures</i> , 2013 , 20, 819-833 | 1.8 | 31 |
| 162 | Harmonic resonances of graphene-reinforced nonlinear cylindrical shells: effects of spinning motion and thermal environment. <i>Nonlinear Dynamics</i> , 2020 , 99, 981-1000 | 5 | 31 |
| 161 | Unilateral and bilateral buckling of functionally graded corrugated thin plates reinforced with graphene nanoplatelets. <i>Composite Structures</i> , 2019 , 209, 789-801 | 5.3 | 31 |
| 160 | Interfacial stresses in soffit-plated reinforced concrete beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2004 , 157, 77-89 | 0.9 | 29 |
| 159 | Geometrically nonlinear buckling of graphene platelets reinforced dielectric composite (GPLRDC) arches with rotational end restraints. <i>Aerospace Science and Technology</i> , 2020 , 107, 106326 | 4.9 | 29 |
| 158 | Buckling and post-buckling analyses of size-dependent piezoelectric nanoplates. <i>Theoretical and Applied Mechanics Letters</i> , 2016 , 6, 253-267 | 1.8 | 28 |

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|-----|--|------|----|
| 157 | Experimental study on bistable behaviour of anti-symmetric laminated cylindrical shells in thermal environments. <i>Composite Structures</i> , 2016 , 144, 24-32 | 5.3 | 27 |
| 156 | Interfacial stress analysis of plated beams under symmetric mechanical and thermal loading. <i>Construction and Building Materials</i> , 2009 , 23, 2973-2987 | 6.7 | 27 |
| 155 | Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Composites under Bi-Axial Stretching. <i>Nanomaterials</i> , 2018 , 8, | 5.4 | 26 |
| 154 | Nonlinear local response of foam-filled sandwich plates with laminated faces under combined transverse and in-plane loads. <i>Composite Structures</i> , 2001 , 52, 137-148 | 5.3 | 26 |
| 153 | Electro-dynamic behavior of an electrically actuated micro-beam: Effects of initial curvature and nonlinear deformation. <i>Computers and Structures</i> , 2012 , 96-97, 25-33 | 4.5 | 25 |
| 152 | Nanocellulose reinforced P(AAm-co-AAc) hydrogels with improved mechanical properties and biocompatibility. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 395-404 | 8.4 | 25 |
| 151 | Flexural Vibration of an Atomic Force Microscope Cantilever Based on Modified Couple Stress Theory. <i>International Journal of Structural Stability and Dynamics</i> , 2015 , 15, 1540025 | 1.9 | 24 |
| 150 | Thermoelastic instability of functionally graded materials with interaction of frictional heat and contact resistance. <i>Mechanics Based Design of Structures and Machines</i> , 2018 , 46, 139-156 | 1.7 | 24 |
| 149 | Nonlinear dynamic response of a simply supported rectangular functionally graded material plate under the time-dependent thermomechanical loads. <i>Journal of Mechanical Science and Technology</i> , 2011 , 25, 1637-1646 | 1.6 | 24 |
| 148 | Primary and secondary resonances of functionally graded graphene platelet-reinforced nanocomposite beams. <i>Nonlinear Dynamics</i> , 2019 , 95, 1807-1826 | 5 | 24 |
| 147 | Coupled free vibration of a functionally graded pre-twisted blade-shaft system reinforced with graphene nanoplatelets. <i>Composite Structures</i> , 2021 , 262, 113362 | 5.3 | 24 |
| 146 | Nonlinear dynamic analysis of composite piezoelectric plates with graphene skin. <i>Composite Structures</i> , 2018 , 206, 839-852 | 5.3 | 24 |
| 145 | Dynamic Buckling of Thermo-Electro-Mechanically Loaded FG-CNTRC Beams. <i>International Journal of Structural Stability and Dynamics</i> , 2015 , 15, 1540017 | 1.9 | 23 |
| 144 | Nonlinear dynamics of a FGM plate with two clamped opposite edges and two free edges. <i>Acta Mechanica Sinica</i> , 2014 , 27, 394-406 | 2 | 23 |
| 143 | Thermal effect on the pull-in instability of functionally graded micro-beams subjected to electrical actuation. <i>Composite Structures</i> , 2014 , 116, 136-146 | 5.3 | 23 |
| 142 | Free vibration analysis of a functionally graded graphene nanoplatelet reinforced disk-shaft assembly with whirl motion. <i>International Journal of Mechanical Sciences</i> , 2021 , 197, 106335 | 5.5 | 23 |
| 141 | Multifunctional and corrosion resistant poly(phenylene sulfide)/Ag composites for electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2021 , 415, 129052 | 14.7 | 23 |
| 140 | Thermo-electro-mechanical postbuckling of piezoelectric FG-CNTRC beams with geometric imperfections. <i>Smart Materials and Structures</i> , 2016 , 25, 095022 | 3.4 | 23 |

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|-----|---|------|----|
| 139 | An efficient approach to investigate the post-buckling behaviors of sandwich structures. <i>Composite Structures</i> , 2018 , 201, 377-388 | 5.3 | 22 |
| 138 | Bistable behaviour and microstructure characterization of carbon fiber/epoxy resin anti-symmetric laminated cylindrical shell after thermal exposure. <i>Composites Science and Technology</i> , 2017 , 138, 91-97 | 8.6 | 22 |
| 137 | Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Nanocomposites under Uni-Axial Stretching. <i>Polymers</i> , 2017 , 9, | 4.5 | 22 |
| 136 | Wave propagation in viscoelastic phononic crystal rods with internal resonators. <i>Applied Acoustics</i> , 2018 , 141, 382-392 | 3.1 | 21 |
| 135 | Stability analysis of a parametrically excited functionally graded piezoelectric, MEM system. <i>Current Applied Physics</i> , 2012 , 12, 456-466 | 2.6 | 21 |
| 134 | Parametric instability of functionally graded beams with an open edge crack under axial pulsating excitation. <i>Composite Structures</i> , 2011 , 93, 1801-1808 | 5.3 | 21 |
| 133 | Vibration and Buckling Characteristics of Functionally Graded Graphene Nanoplatelets Reinforced Composite Beams with Open Edge Cracks. <i>Materials</i> , 2019 , 12, | 3.5 | 20 |
| 132 | In-plane and out-of-plane free vibrations of functionally graded composite arches with graphene reinforcements. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 1-11 | 1.8 | 20 |
| 131 | Nonlinear dynamic response of an edge-cracked functionally graded Timoshenko beam under parametric excitation. <i>Nonlinear Dynamics</i> , 2012 , 67, 527-540 | 5 | 20 |
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