

Ashraf M Zenkour

List of Publications by Citations

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349
papers

9,386
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48
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76
g-index

358
ext. papers

10,637
ext. citations

2.8
avg, IF

7.77
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 349 | Generalized shear deformation theory for bending analysis of functionally graded plates. <i>Applied Mathematical Modelling</i> , 2006 , 30, 67-84 | 4.5 | 405 |
| 348 | A comprehensive analysis of functionally graded sandwich plates: Part 2 Buckling and free vibration. <i>International Journal of Solids and Structures</i> , 2005 , 42, 5243-5258 | 3.1 | 297 |
| 347 | Stress, vibration and buckling analyses of FGM plates A state-of-the-art review. <i>Composite Structures</i> , 2015 , 120, 10-31 | 5.3 | 264 |
| 346 | A comprehensive analysis of functionally graded sandwich plates: Part 1 Deflection and stresses. <i>International Journal of Solids and Structures</i> , 2005 , 42, 5224-5242 | 3.1 | 256 |
| 345 | Thermal buckling of various types of FGM sandwich plates. <i>Composite Structures</i> , 2010 , 93, 93-102 | 5.3 | 159 |
| 344 | Benchmark trigonometric and 3-D elasticity solutions for an exponentially graded thick rectangular plate. <i>Archive of Applied Mechanics</i> , 2007 , 77, 197-214 | 2.2 | 143 |
| 343 | Two-Temperature Generalized Thermoelastic Interaction in an Infinite Fiber-Reinforced Anisotropic Plate Containing a Circular Cavity with Two Relaxation Times. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 1-7 | 0.3 | 137 |
| 342 | A simple four-unknown shear and normal deformations theory for functionally graded isotropic and sandwich plates based on isogeometric analysis. <i>Composite Structures</i> , 2016 , 139, 77-95 | 5.3 | 124 |
| 341 | Analytical solution for bending of cross-ply laminated plates under thermo-mechanical loading. <i>Composite Structures</i> , 2004 , 65, 367-379 | 5.3 | 106 |
| 340 | Nonlocal elasticity theory for thermal buckling of nanoplates lying on Winkler Pasternak elastic substrate medium. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 53, 251-259 | 3 | 102 |
| 339 | Static analyses of FGM beams by various theories and finite elements. <i>Composites Part B: Engineering</i> , 2015 , 72, 1-9 | 10 | 100 |
| 338 | Thermo-mechanical buckling analysis of embedded nanosize FG plates in thermal environments via an inverse cotangential theory. <i>Composite Structures</i> , 2016 , 141, 203-212 | 5.3 | 100 |
| 337 | A simple four-unknown refined theory for bending analysis of functionally graded plates. <i>Applied Mathematical Modelling</i> , 2013 , 37, 9041-9051 | 4.5 | 99 |
| 336 | The refined sinusoidal theory for FGM plates on elastic foundations. <i>International Journal of Mechanical Sciences</i> , 2009 , 51, 869-880 | 5.5 | 99 |
| 335 | Free vibration of FGM layered beams by various theories and finite elements. <i>Composites Part B: Engineering</i> , 2014 , 59, 269-278 | 10 | 98 |
| 334 | Post-buckling analysis of refined shear deformable graphene platelet reinforced beams with porosities and geometrical imperfection. <i>Composite Structures</i> , 2017 , 181, 194-202 | 5.3 | 98 |
| 333 | Hygro-thermo-mechanical effects on FGM plates resting on elastic foundations. <i>Composite Structures</i> , 2010 , 93, 234-238 | 5.3 | 92 |

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| 332 | Analysis of thick isotropic and cross-ply laminated plates by generalized differential quadrature method and a Unified Formulation. <i>Composites Part B: Engineering</i> , 2014 , 58, 544-552 | 10 | 91 |
| 331 | Bending Analysis of Functionally Graded Sandwich Plates Under the Effect of Mechanical and Thermal Loads. <i>Mechanics of Advanced Materials and Structures</i> , 2010 , 17, 419-432 | 1.8 | 86 |
| 330 | A quasi-3D refined theory for functionally graded single-layered and sandwich plates with porosities. <i>Composite Structures</i> , 2018 , 201, 38-48 | 5.3 | 75 |
| 329 | Thermoelastic bending analysis of functionally graded sandwich plates. <i>Journal of Materials Science</i> , 2008 , 43, 2574-2589 | 4.3 | 74 |
| 328 | Vibration analysis of functionally graded graphene platelet reinforced cylindrical shells with different porosity distributions. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 26, 1580-1588 | 1.8 | 74 |
| 327 | Buckling and free vibration of non-homogeneous composite cross-ply laminated plates with various plate theories. <i>Composite Structures</i> , 1999 , 44, 279-287 | 5.3 | 73 |
| 326 | LS model on electro-magneto-thermoelastic response of an infinite functionally graded cylinder. <i>Composite Structures</i> , 2013 , 96, 89-96 | 5.3 | 72 |
| 325 | Bending analysis of functionally graded sandwich plates using a simple four-unknown shear and normal deformations theory. <i>Journal of Sandwich Structures and Materials</i> , 2013 , 15, 629-656 | 2.1 | 70 |
| 324 | Hygrothermal effects on the bending of angle-ply composite plates using a sinusoidal theory. <i>Composite Structures</i> , 2012 , 94, 3685-3696 | 5.3 | 69 |
| 323 | Buckling of fiber-reinforced viscoelastic composite plates using various plate theories. <i>Journal of Engineering Mathematics</i> , 2004 , 50, 75-93 | 1.2 | 68 |
| 322 | Small scale effect on hygro-thermo-mechanical bending of nanoplates embedded in an elastic medium. <i>Composite Structures</i> , 2013 , 105, 163-172 | 5.3 | 66 |
| 321 | Bending analysis of FG viscoelastic sandwich beams with elastic cores resting on Pasternak's elastic foundations. <i>Acta Mechanica</i> , 2010 , 212, 233-252 | 2.1 | 66 |
| 320 | A simplified shear and normal deformations nonlocal theory for bending of functionally graded piezomagnetic sandwich nanobeams in magneto-thermo-electric environment. <i>Journal of Sandwich Structures and Materials</i> , 2016 , 18, 624-651 | 2.1 | 63 |
| 319 | Electro-thermoelastic vibration of plates made of porous functionally graded piezoelectric materials under various boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 1910-1926 ² | | 62 |
| 318 | Electro-mechanical vibration of smart piezoelectric FG plates with porosities according to a refined four-variable theory. <i>Mechanics of Advanced Materials and Structures</i> , 2017 , 24, 987-998 | 1.8 | 61 |
| 317 | A generalized thermoelasticity problem of an annular cylinder with temperature-dependent density and material properties. <i>International Journal of Mechanical Sciences</i> , 2014 , 84, 54-60 | 5.5 | 61 |
| 316 | Buckling analysis of higher order graded smart piezoelectric plates with porosities resting on elastic foundation. <i>International Journal of Mechanical Sciences</i> , 2016 , 117, 309-320 | 5.5 | 60 |
| 315 | A general bi-Helmholtz nonlocal strain-gradient elasticity for wave propagation in nanoporous graded double-nanobeam systems on elastic substrate. <i>Composite Structures</i> , 2017 , 168, 885-892 | 5.3 | 59 |

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|-----|--|-----|----|
| 314 | Nonlocal transient thermal analysis of a single-layered graphene sheet embedded in viscoelastic medium. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 79, 87-97 | 3 | 58 |
| 313 | Vibration and bending analysis of a sandwich microbeam with two integrated piezo-magnetic face-sheets. <i>Composite Structures</i> , 2017 , 159, 479-490 | 5.3 | 58 |
| 312 | Nonlocal electro-thermo-mechanical analysis of a sandwich nanoplate containing a Kelvin-Voigt viscoelastic nanoplate and two piezoelectric layers. <i>Acta Mechanica</i> , 2017 , 228, 475-493 | 2.1 | 55 |
| 311 | Refined two-temperature multi-phase-lags theory for thermomechanical response of microbeams using the modified couple stress analysis. <i>Acta Mechanica</i> , 2018 , 229, 3671-3692 | 2.1 | 54 |
| 310 | Wave propagation analysis of a functionally graded magneto-electro-elastic nanobeam rest on Visco-Pasternak foundation. <i>Mechanics Research Communications</i> , 2017 , 79, 51-62 | 2.2 | 53 |
| 309 | Thermal effects on the bending response of fiber-reinforced viscoelastic composite plates using a sinusoidal shear deformation theory. <i>Acta Mechanica</i> , 2004 , 171, 171-187 | 2.1 | 53 |
| 308 | Dual-Phase-Lag Model on Thermoelastic Interactions in a Semi-Infinite Medium Subjected to a Ramp-Type Heating. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 642-645 | 0.3 | 52 |
| 307 | Thermal Buckling of Functionally Graded Plates Resting On Elastic Foundations Using the Trigonometric Theory. <i>Journal of Thermal Stresses</i> , 2011 , 34, 1119-1138 | 2.2 | 52 |
| 306 | Thermo-electro-mechanical bending behavior of sandwich nanoplate integrated with piezoelectric face-sheets based on trigonometric plate theory. <i>Composite Structures</i> , 2017 , 162, 108-122 | 5.3 | 51 |
| 305 | Investigating post-buckling of geometrically imperfect metal foam nanobeams with symmetric and asymmetric porosity distributions. <i>Composite Structures</i> , 2017 , 182, 91-98 | 5.3 | 51 |
| 304 | Magneto-thermoelastic response of an infinite functionally graded cylinder using the finite element method. <i>JVC/Journal of Vibration and Control</i> , 2014 , 20, 1907-1919 | 2 | 50 |
| 303 | Dynamic bending response of thermoelastic functionally graded plates resting on elastic foundations. <i>Aerospace Science and Technology</i> , 2013 , 29, 7-17 | 4.9 | 49 |
| 302 | An isogeometric Bzier finite element method for vibration analysis of functionally graded piezoelectric material porous plates. <i>International Journal of Mechanical Sciences</i> , 2019 , 157-158, 165-183 | 5.5 | 48 |
| 301 | Thermomechanical Bending Response of Functionally Graded Nonsymmetric Sandwich Plates. <i>Journal of Sandwich Structures and Materials</i> , 2010 , 12, 7-46 | 2.1 | 47 |
| 300 | Three-dimensional Elasticity Solution for Uniformly Loaded Cross-ply Laminates and Sandwich Plates. <i>Journal of Sandwich Structures and Materials</i> , 2007 , 9, 213-238 | 2.1 | 47 |
| 299 | ANALYTICAL SOLUTIONS FOR ROTATING EXPONENTIALLY-GRADED ANNULAR DISKS WITH VARIOUS BOUNDARY CONDITIONS. <i>International Journal of Structural Stability and Dynamics</i> , 2005 , 05, 557-577 | 1.9 | 47 |
| 298 | Porosity and inhomogeneity effects on the buckling and vibration of double-FGM nanoplates via a quasi-3D refined theory. <i>Composite Structures</i> , 2019 , 220, 289-303 | 5.3 | 46 |
| 297 | BENDING OF FGM PLATES BY A SIMPLIFIED FOUR-UNKNOWN SHEAR AND NORMAL DEFORMATIONS THEORY. <i>International Journal of Applied Mechanics</i> , 2013 , 05, 1350020 | 2.4 | 46 |

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| 296 | Size-dependent vibration and bending analyses of the piezomagnetic three-layer nanobeams. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1 | 2.6 | 45 |
| 295 | Analysis of Sandwich Plates by Generalized Differential Quadrature Method. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-12 | 1.1 | 45 |
| 294 | THE EFFECT OF TRANSVERSE SHEAR AND NORMAL DEFORMATIONS ON THE THERMOMECHANICAL BENDING OF FUNCTIONALLY GRADED SANDWICH PLATES. <i>International Journal of Applied Mechanics</i> , 2009 , 01, 667-707 | 2.4 | 45 |
| 293 | ON VIBRATION OF FUNCTIONALLY GRADED PLATES ACCORDING TO A REFINED TRIGONOMETRIC PLATE THEORY. <i>International Journal of Structural Stability and Dynamics</i> , 2005 , 05, 279-297 | 1.9 | 45 |
| 292 | Size-dependent free vibration and dynamic analyses of piezo-electro-magnetic sandwich nanoplates resting on viscoelastic foundation. <i>Physica B: Condensed Matter</i> , 2017 , 521, 188-197 | 2.8 | 44 |
| 291 | Effects of hygrothermal conditions on cross-ply laminated plates resting on elastic foundations. <i>Archives of Civil and Mechanical Engineering</i> , 2014 , 14, 144-159 | 3.4 | 44 |
| 290 | Nonlocal piezo-hygrothermal analysis for vibration characteristics of a piezoelectric KelvinVoigt viscoelastic nanoplate embedded in a viscoelastic medium. <i>Acta Mechanica</i> , 2018 , 229, 3-19 | 2.1 | 43 |
| 289 | Employing sinusoidal shear deformation plate theory for transient analysis of three layers sandwich nanoplate integrated with piezo-magnetic face-sheets. <i>Smart Materials and Structures</i> , 2016 , 25, 115040 ³⁻⁴ | 3.4 | 43 |
| 288 | Transient sinusoidal shear deformation formulation of a size-dependent three-layer piezo-magnetic curved nanobeam. <i>Acta Mechanica</i> , 2017 , 228, 3657-3674 | 2.1 | 43 |
| 287 | Nonlocal transient electrothermomechanical vibration and bending analysis of a functionally graded piezoelectric single-layered nanosheet rest on visco-Pasternak foundation. <i>Journal of Thermal Stresses</i> , 2017 , 40, 167-184 | 2.2 | 41 |
| 286 | Bending of cross-ply laminated plates resting on elastic foundations under thermo-mechanical loading. <i>International Journal of Mechanics and Materials in Design</i> , 2013 , 9, 239-251 | 2.5 | 41 |
| 285 | Analysis of postbuckling of graded porous GPL-reinforced beams with geometrical imperfection. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 26, 503-511 | 1.8 | 41 |
| 284 | Refined multi-phase-lags theory for photothermal waves of a gravitated semiconducting half-space. <i>Composite Structures</i> , 2019 , 212, 346-364 | 5.3 | 40 |
| 283 | Free vibration, wave propagation and tension analyses of a sandwich micro/nano rod subjected to electric potential using strain gradient theory. <i>Materials Research Express</i> , 2016 , 3, 115704 | 1.7 | 40 |
| 282 | Vibration of FG nanobeams induced by sinusoidal pulse-heating via a nonlocal thermoelastic model. <i>Acta Mechanica</i> , 2014 , 225, 3409-3421 | 2.1 | 40 |
| 281 | Analysis of Functionally Graded Material Plates Using Triangular Elements with Cell-Based Smoothed Discrete Shear Gap Method. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-13 | 1.1 | 40 |
| 280 | Analysis of sandwich plates with a new layerwise formulation. <i>Composites Part B: Engineering</i> , 2014 , 56, 484-489 | 10 | 39 |
| 279 | Bending, buckling and free vibration of non-homogeneous composite laminated cylindrical shells using a refined first-order theory. <i>Composites Part B: Engineering</i> , 2001 , 32, 237-247 | 10 | 39 |

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| 278 | Free vibration and buckling of porous power-law and sigmoid functionally graded sandwich plates using a simple higher-order shear deformation theory. <i>Materials Research Express</i> , 2019 , 6, 115707 | 1.7 | 38 |
| 277 | Stress distribution in rotating composite structures of functionally graded solid disks. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 3511-3517 | 5.3 | 37 |
| 276 | Bending of a fiber-reinforced viscoelastic composite plate resting on elastic foundations. <i>Archive of Applied Mechanics</i> , 2011 , 81, 77-96 | 2.2 | 36 |
| 275 | Size-dependent electro-elastic analysis of a sandwich microbeam based on higher-order sinusoidal shear deformation theory and strain gradient theory. <i>Journal of Intelligent Material Systems and Structures</i> , 2018 , 29, 1394-1406 | 2.3 | 35 |
| 274 | Magnetic field effect on thermomechanical buckling and vibration of viscoelastic sandwich nanobeams with CNT reinforced face sheets on a viscoelastic substrate. <i>Composites Part B: Engineering</i> , 2018 , 154, 492-506 | 10 | 35 |
| 273 | Employing the coupled stress components and surface elasticity for nonlocal solution of wave propagation of a functionally graded piezoelectric Love nanorod model. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 2403-2413 | 2.3 | 34 |
| 272 | Hygrothermoelastic responses of inhomogeneous piezoelectric and exponentially graded cylinders. <i>International Journal of Pressure Vessels and Piping</i> , 2014 , 119, 8-18 | 2.4 | 34 |
| 271 | An exact solution for the bending of thin rectangular plates with uniform, linear, and quadratic thickness variations. <i>International Journal of Mechanical Sciences</i> , 2003 , 45, 295-315 | 5.5 | 33 |
| 270 | Transverse Shear and Normal Deformation Theory for Bending Analysis of Laminated and Sandwich Elastic Beams. <i>Mechanics of Advanced Materials and Structures</i> , 1999 , 6, 267-283 | 1.8 | 33 |
| 269 | Influence of magneto-electric environments on size-dependent bending results of three-layer piezomagnetic curved nanobeam based on sinusoidal shear deformation theory. <i>Journal of Sandwich Structures and Materials</i> , 2019 , 21, 2751-2778 | 2.1 | 33 |
| 268 | Size-dependent free vibration analysis of a three-layered exponentially graded nano-/micro-plate with piezomagnetic face sheets resting on Pasternak foundation via MCST. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 22, 55-86 | 2.1 | 33 |
| 267 | A refined four-unknown plate theory for advanced plates resting on elastic foundations in hygrothermal environment. <i>Composite Structures</i> , 2014 , 111, 240-248 | 5.3 | 32 |
| 266 | Elastic Foundation Analysis of Uniformly Loaded Functionally Graded Viscoelastic Sandwich Plates. <i>Journal of Mechanics</i> , 2012 , 28, 439-452 | 1 | 32 |
| 265 | Exact mixed-classical solutions for the bending analysis of shear deformable rectangular plates. <i>Applied Mathematical Modelling</i> , 2003 , 27, 515-534 | 4.5 | 32 |
| 264 | Extended four-unknown higher-order shear deformation nonlocal theory for bending, buckling and free vibration of functionally graded porous nanoshell resting on elastic foundation. <i>Composite Structures</i> , 2021 , 264, 113737 | 5.3 | 32 |
| 263 | Nonlocal elasticity and shear deformation effects on thermal buckling of a CNT embedded in a viscoelastic medium. <i>European Physical Journal Plus</i> , 2018 , 133, 1 | 3.1 | 32 |
| 262 | Porosity effect on thermal buckling behavior of actuated functionally graded piezoelectric nanoplates. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 78, 103835 | 3.7 | 31 |
| 261 | On the simple and mixed first-order theories for plates resting on elastic foundations. <i>Acta Mechanica</i> , 2011 , 220, 33-46 | 2.1 | 31 |

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|-----|--|-----|----|
| 260 | The effect of dual-phase-lag model on reflection of thermoelastic waves in a solid half space with variable material properties. <i>Acta Mechanica Solida Sinica</i> , 2013 , 26, 659-670 | 2 | 30 |
| 259 | MIXED VARIATIONAL FORMULA FOR THE THERMAL BENDING OF LAMINATED PLATES. <i>Journal of Thermal Stresses</i> , 1999 , 22, 347-365 | 2.2 | 30 |
| 258 | Dynamic response of nanobeams subjected to moving nanoparticles and hygro-thermal environments based on nonlocal strain gradient theory. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 26, 1661-1669 | 1.8 | 30 |
| 257 | On the magneto-thermo-elastic responses of FG annular sandwich disks. <i>International Journal of Engineering Science</i> , 2014 , 75, 54-66 | 5.7 | 29 |
| 256 | A simplified shear and normal deformations nonlocal theory for bending of nanobeams in thermal environment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 70, 121-128 | 3 | 29 |
| 255 | Buckling and free vibration of elastic plates using simple and mixed shear deformation theories. <i>Acta Mechanica</i> , 2001 , 146, 183-197 | 2.1 | 29 |
| 254 | Nonlocal thermoelasticity theory without energy dissipation for nano-machined beam resonators subjected to various boundary conditions. <i>Microsystem Technologies</i> , 2017 , 23, 55-65 | 1.7 | 28 |
| 253 | Transient analysis of a three-layer microbeam subjected to electric potential. <i>International Journal of Smart and Nano Materials</i> , 2017 , 8, 20-40 | 3.6 | 28 |
| 252 | Nonlocal thermoelastic nanobeam subjected to a sinusoidal pulse heating and temperature-dependent physical properties. <i>Microsystem Technologies</i> , 2015 , 21, 1767-1776 | 1.7 | 28 |
| 251 | The Effect of Rotation and Initial Stress on Thermal Shock Problem for a Fiber-Reinforced Anisotropic Half-Space Using Green-Naghdi Theory. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 331-338 | 0.3 | 28 |
| 250 | Three-dimensional thermal shock plate problem within the framework of different thermoelasticity theories. <i>Composite Structures</i> , 2015 , 132, 1029-1042 | 5.3 | 27 |
| 249 | Thermal bending of layered composite plates resting on elastic foundations using four-unknown shear and normal deformations theory. <i>Composite Structures</i> , 2015 , 122, 260-270 | 5.3 | 27 |
| 248 | Quasi-3D Refined Theory for Functionally Graded Porous Plates: Displacements and Stresses. <i>Physical Mesomechanics</i> , 2020 , 23, 39-53 | 1.6 | 27 |
| 247 | A quasi-3D higher-order plate theory for bending of FG plates resting on elastic foundations under hygro-thermo-mechanical loads with porosity. <i>European Journal of Mechanics, A/Solids</i> , 2020 , 82, 103985 | 3.7 | 27 |
| 246 | A novel mixed nonlocal elasticity theory for thermoelastic vibration of nanoplates. <i>Composite Structures</i> , 2018 , 185, 821-833 | 5.3 | 27 |
| 245 | On the simple and mixed first-order theories for functionally graded plates resting on elastic foundations. <i>Meccanica</i> , 2013 , 48, 1501-1516 | 2.1 | 27 |
| 244 | EFFECTS OF TRANSVERSE SHEAR AND NORMAL STRAINS ON FG PLATES RESTING ON ELASTIC FOUNDATIONS UNDER HYGRO-THERMO-MECHANICAL LOADING. <i>International Journal of Applied Mechanics</i> , 2014 , 06, 1450063 | 2.4 | 27 |
| 243 | Effect of thermo-magneto-electro-mechanical fields on the bending behaviors of a three-layered nanoplate based on sinusoidal shear-deformation plate theory. <i>Journal of Sandwich Structures and Materials</i> , 2019 , 21, 639-669 | 2.1 | 27 |

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| 242 | The modified couple stress model for bending of normal deformable viscoelastic nanobeams resting on visco-Pasternak foundations. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 27, 525-538 | 1.8 | 27 |
| 241 | Estimation of carbon nanotubes and their applications as reinforcing composite materials: An engineering review. <i>Composite Structures</i> , 2021 , 272, 114234 | 5.3 | 27 |
| 240 | Multi thermal relaxations for thermodiffusion problem in a thermoelastic half-space. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 143, 118568 | 4.9 | 26 |
| 239 | Laminated composite plates subject to thermal load using trigonometrical theory based on Carrera Unified Formulation. <i>Composite Structures</i> , 2016 , 143, 324-335 | 5.3 | 26 |
| 238 | Exact solution of thermal stress problem of an inhomogeneous hygrothermal piezoelectric hollow cylinder. <i>Applied Mathematical Modelling</i> , 2014 , 38, 6133-6143 | 4.5 | 26 |
| 237 | EFFECT OF TRANSVERSE NORMAL AND SHEAR DEFORMATION ON A FIBER-REINFORCED VISCOELASTIC BEAM RESTING ON TWO-PARAMETER ELASTIC FOUNDATIONS. <i>International Journal of Applied Mechanics</i> , 2010 , 02, 87-115 | 2.4 | 26 |
| 236 | Bending response of a fiber-reinforced viscoelastic arched bridge model. <i>Applied Mathematical Modelling</i> , 2003 , 27, 233-248 | 4.5 | 26 |
| 235 | Effect of thermal activation and diffusion on a photothermal semiconducting half-space. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 132, 56-67 | 3.9 | 25 |
| 234 | Closed-form solutions for thermal buckling analyses of advanced nanoplates according to a hyperbolic four-variable refined theory with small-scale effects. <i>Acta Mechanica</i> , 2018 , 229, 2251-2265 | 2.1 | 25 |
| 233 | Forced vibration of sinusoidal FG nanobeams resting on hybrid Kerr foundation in hygro-thermal environments. <i>Mechanics of Advanced Materials and Structures</i> , 2018 , 25, 669-680 | 1.8 | 25 |
| 232 | Elastic deformation of the rotating functionally graded annular disk with rigid casing. <i>Journal of Materials Science</i> , 2007 , 42, 9717-9724 | 4.3 | 25 |
| 231 | State-space approach for an infinite medium with a spherical cavity based upon two-temperature generalized thermoelasticity theory and fractional heat conduction. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2014 , 65, 149-164 | 1.6 | 24 |
| 230 | The effect of two temperatures on a FG nanobeam induced by a sinusoidal pulse heating. <i>Structural Engineering and Mechanics</i> , 2014 , 51, 199-214 | | 24 |
| 229 | Magneto-thermal shock for a fiber-reinforced anisotropic half-space studied with a refined multi-dual-phase-lag model. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 137, 109213 | 3.9 | 24 |
| 228 | Thermal stress and deformation analysis of a size-dependent curved nanobeam based on sinusoidal shear deformation theory. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 2177-2185 | 6.1 | 24 |
| 227 | Bending response of FG plates resting on elastic foundations in hygrothermal environment with porosities. <i>Composite Structures</i> , 2019 , 213, 133-143 | 5.3 | 23 |
| 226 | Use of axiomatic/asymptotic approach to evaluate various refined theories for sandwich shells. <i>Composite Structures</i> , 2014 , 109, 139-149 | 5.3 | 23 |
| 225 | Free vibration analysis of a sandwich nano-plate including FG core and piezoelectric face-sheets by considering neutral surface. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 26, 741-752 | 1.8 | 23 |

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|-----|---|-----|----|
| 224 | Effect of porosity on the bending analysis of various functionally graded sandwich plates. <i>Materials Research Express</i> , 2019 , 6, 065703 | 1.7 | 22 |
| 223 | Wave propagation in magneto-porosity FG bi-layer nanoplates based on a novel quasi-3D refined plate theory. <i>Waves in Random and Complex Media</i> , 2019 , 1-21 | 1.9 | 22 |
| 222 | Simplified Theory for Hygrothermal Response of Angle-Ply Composite Plates. <i>AIAA Journal</i> , 2014 , 52, 1466-1473 | 2.1 | 22 |
| 221 | Nonlinear Transient Thermal Stress Analysis of Temperature-Dependent Hollow Cylinders Using a Finite Element Model. <i>International Journal of Structural Stability and Dynamics</i> , 2014 , 14, 1450025 | 1.9 | 22 |
| 220 | Vibration suppression of advanced plates embedded magnetostrictive layers via various theories. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 4727-4748 | 5.5 | 22 |
| 219 | Refined microtemperatures multi-phase-lags theory for plane wave propagation in thermoelastic medium. <i>Results in Physics</i> , 2018 , 11, 929-937 | 3.7 | 22 |
| 218 | TWO-DIMENSIONAL COUPLED SOLUTION FOR THERMOELASTIC BEAMS VIA GENERALIZED DUAL-PHASE-LAGS MODEL. <i>Mathematical Modelling and Analysis</i> , 2016 , 21, 319-335 | 1.3 | 21 |
| 217 | Axiomatic/Asymptotic Technique Applied to Refined Theories for Piezoelectric Plates. <i>Mechanics of Advanced Materials and Structures</i> , 2015 , 22, 107-124 | 1.8 | 21 |
| 216 | Bending response of inhomogeneous fiber-reinforced viscoelastic sandwich plates. <i>Acta Mechanica</i> , 2010 , 209, 231-248 | 2.1 | 21 |
| 215 | THERMAL BENDING ANALYSIS OF COMPOSITE LAMINATED CYLINDRICAL SHELLS USING A REFINED FIRST-ORDER THEORY. <i>Journal of Thermal Stresses</i> , 2000 , 23, 505-526 | 2.2 | 21 |
| 214 | Thermo-electro-magneto-mechanical bending behavior of size-dependent sandwich piezomagnetic nanoplates. <i>Mechanics Research Communications</i> , 2017 , 84, 27-42 | 2.2 | 20 |
| 213 | Bending of exponentially graded plates integrated with piezoelectric fiber-reinforced composite actuators resting on elastic foundations. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 75, 461-471 | 3.7 | 20 |
| 212 | State space approach for the vibration of nanobeams based on the nonlocal thermoelasticity theory without energy dissipation. <i>Journal of Mechanical Science and Technology</i> , 2015 , 29, 2921-2931 | 1.6 | 20 |
| 211 | Vibrational Analysis for an Axially Moving Microbeam with Two Temperatures. <i>Journal of Thermal Stresses</i> , 2015 , 38, 569-590 | 2.2 | 20 |
| 210 | Generalized thermoelastic vibration of a microbeam with an axial force. <i>Microsystem Technologies</i> , 2015 , 21, 1427-1435 | 1.7 | 20 |
| 209 | Vibration of carbon nanotube-reinforced plates via refined nth-higher-order theory. <i>Archive of Applied Mechanics</i> , 2020 , 90, 1755-1769 | 2.2 | 20 |
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| 60 | Quasi-3D theory for the vibration and deflection of a magnetostrictive composite plate resting on a viscoelastic medium. <i>Composite Structures</i> , 2021 , 269, 114028 | 5.3 | 4 |
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| 42 | Finite element modeling of free vibration of cracked nanoplates with flexoelectric effects. <i>European Physical Journal Plus</i> , 2022 , 137, 1 | 3.1 | 3 |
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| 14 | Investigating Instability Regions of Harmonically Loaded Refined Shear Deformable Inhomogeneous Nanoplates. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019 , 43, 393-404 | 1.2 | 0 |
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