

Amin Pourasghar

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ext. citations

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L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 34 | Three-dimensional free vibration analysis of functionally graded nanocomposite cylindrical panels reinforced by carbon nanotube. <i>Materials & Design</i> , 2013 , 49, 583-590 | | 121 |
| 33 | Effect of hyperbolic heat conduction on the linear and nonlinear vibration of CNT reinforced size-dependent functionally graded microbeams. <i>International Journal of Engineering Science</i> , 2019 , 137, 57-72 | 5.7 | 43 |
| 32 | Effect of the aspect ratio and waviness of carbon nanotubes on the vibrational behavior of functionally graded nanocomposite cylindrical panels. <i>Polymer Composites</i> , 2012 , 33, 2036-2044 | 3 | 36 |
| 31 | Eshelby-Mori-Tanaka approach for vibrational behavior of functionally graded carbon nanotube-reinforced plate resting on elastic foundation. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 3395-3401 | 1.6 | 34 |
| 30 | Local aggregation effect of CNT on the vibrational behavior of four-parameter continuous grading nanotube-reinforced cylindrical panels. <i>Polymer Composites</i> , 2013 , 34, 707-721 | 3 | 33 |
| 29 | The effects of carbon nanotube orientation and aggregation on vibrational behavior of functionally graded nanocomposite cylinders by a mesh-free method. <i>Acta Mechanica</i> , 2013 , 224, 2817-2832 | 2.1 | 28 |
| 28 | Free vibration analysis of functionally graded nanocomposite sandwich beams resting on Pasternak foundation by considering the agglomeration effect of CNTs. <i>Journal of Sandwich Structures and Materials</i> , 2015 , 17, 632-665 | 2.1 | 27 |
| 27 | Thermoelastic response of CNT reinforced cylindrical panel resting on elastic foundation using theory of elasticity. <i>Composites Part B: Engineering</i> , 2016 , 99, 436-444 | 10 | 24 |
| 26 | Vibration analysis of functionally graded nanocomposite cylinders reinforced by wavy carbon nanotube based on mesh-free method. <i>Journal of Composite Materials</i> , 2014 , 48, 1901-1913 | 2.7 | 23 |
| 25 | Hyperbolic heat conduction and thermoelastic solution of functionally graded CNT reinforced cylindrical panel subjected to heat pulse. <i>International Journal of Solids and Structures</i> , 2019 , 163, 117-129 | 3.1 | 23 |
| 24 | Dynamic analysis of functionally graded nanocomposite cylinders reinforced by wavy carbon nanotube under an impact load. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 1062-1075 | 2 | 22 |
| 23 | Application of firefly algorithm and ANFIS for optimisation of functionally graded beams. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2014 , 26, 197-209 | 2 | 20 |
| 22 | Application of imperialist competitive algorithm and neural networks to optimise the volume fraction of three-parameter functionally graded beams. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2014 , 26, 1-12 | 2 | 20 |
| 21 | Free vibration analysis of three-parameter functionally graded material sandwich plates resting on Pasternak foundations. <i>Journal of Sandwich Structures and Materials</i> , 2013 , 15, 292-308 | 2.1 | 20 |
| 20 | Static analysis of functionally graded carbon nanotube-reinforced composite cylinders by a mesh-free method. <i>Journal of Reinforced Plastics and Composites</i> , 2013 , 32, 593-601 | 2.9 | 19 |
| 19 | Three-dimensional analysis of carbon nanotube-reinforced cylindrical shells with temperature-dependent properties under thermal environment. <i>Polymer Composites</i> , 2018 , 39, 1161-1171 | 3.1 | 17 |
| 18 | Dynamic stability analysis of functionally graded nanocomposite non-uniform column reinforced by carbon nanotube. <i>JVC/Journal of Vibration and Control</i> , 2015 , 21, 2499-2508 | 2 | 15 |

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| 17 | Characterizing elastic properties of carbon nanotube-based composites by using an equivalent fiber. <i>Polymer Composites</i> , 2013 , 34, 241-251 | 3 | 15 |
| 16 | Differential quadrature based nonlocal flapwise bending vibration analysis of rotating nanobeam using the eringen nonlocal elasticity theory under axial load. <i>Polymer Composites</i> , 2016 , 37, 3175-3180 | 3 | 13 |
| 15 | Vibrational behavior of non-uniform piezoelectric sandwich beams made of CNT-reinforced polymer nanocomposite by considering the agglomeration effect of CNTs. <i>Polymer Composites</i> , 2017 , 38, E553-E562 | 3 | 11 |
| 14 | Nonlinear vibration and modal analysis of FG nanocomposite sandwich beams reinforced by aggregated CNTs. <i>Polymer Engineering and Science</i> , 2019 , 59, 1362-1370 | 2.3 | 10 |
| 13 | Three-dimensional solution for the vibration analysis of functionally graded multiwalled carbon nanotubes/phenolic nanocomposite cylindrical panels on elastic foundation. <i>Polymer Composites</i> , 2013 , 34, 2040-2048 | 3 | 9 |
| 12 | Dual-phase-lag heat conduction in the composites by introducing a new application of DQM. <i>Heat and Mass Transfer</i> , 2020 , 56, 1171-1177 | 2.2 | 6 |
| 11 | Free vibration analysis of functionally graded beams resting on variable elastic foundations using a generalized power-law distribution and GDQ method. <i>Annals of Solid and Structural Mechanics</i> , 2017 , 9, 1-11 | 0.5 | 5 |
| 10 | Dual-phase-lag heat conduction in FG carbon nanotube reinforced polymer composites. <i>Physica B: Condensed Matter</i> , 2019 , 564, 147-156 | 2.8 | 5 |
| 9 | Large deformation behavior of functionally graded porous curved beams in thermal environment. <i>Archive of Applied Mechanics</i> , 2021 , 91, 2255-2278 | 2.2 | 5 |
| 8 | Heat waves interference regarding dual-phase-lag, hyperbolic and Fourier heat conduction in CNT reinforced composites under a thermal shock. <i>Waves in Random and Complex Media</i> , 2020 , 1-17 | 1.9 | 3 |
| 7 | Free vibration analysis and design optimization of nanocomposite-laminated beams using various higher order beam theories and imperialist competitive algorithm. <i>Polymer Composites</i> , 2016 , 37, 2442-2451 | 2.3 | 3 |
| 6 | Non-fourier thermal fracture analysis of a griffith interface crack in orthotropic functionally graded coating/substrate structure. <i>Applied Mathematical Modelling</i> , 2022 , 104, 548-566 | 4.5 | 2 |
| 5 | Nonlocal heat conduction in single-walled carbon nanotubes. <i>Polymer Composites</i> , 2021 , 42, 3418-3426 | 3 | 2 |
| 4 | Nonlocal fracture analysis of an interface crack between a functionally graded coating and a homogeneous substrate under thermal loading. <i>Composite Structures</i> , 2021 , 257, 113096 | 5.3 | 2 |
| 3 | Thermoviscoelastic fracture analysis of a cracked orthotropic fiber reinforced composite strip by the dual-phase-lag theory. <i>Composite Structures</i> , 2021 , 258, 113194 | 5.3 | 2 |
| 2 | Nonlocal thermoelasticity: Transient heat conduction effects on the linear and nonlinear vibration of single-walled carbon nanotubes. <i>Mechanics Based Design of Structures and Machines</i> , 1-17 | 1.7 | 1 |
| 1 | Transient non-Fourier thermoelastic fracture analysis of a cracked orthotropic functionally graded strip. <i>Mathematics and Mechanics of Solids</i> , 108128652110246 | 2.3 | 0 |