

Masoud Forsat

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

349
citations

840119

11
h-index

839053

18
g-index

22
all docs

22
docs citations

22
times ranked

319
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Integrated LTE and Millimeter-Wave 5G MIMO Antenna System for 4G/5G Wireless Terminals. <i>Sensors</i> , 2020, 20, 3926. | 2.1 | 65 |
| 2 | Malicious UAV Detection Using Integrated Audio and Visual Features for Public Safety Applications. <i>Sensors</i> , 2020, 20, 3923. | 2.1 | 37 |
| 3 | Dynamic response of functionally graded graphene nanoplatelet reinforced shells with porosity distributions under transverse dynamic loads. <i>Materials Research Express</i> , 2019, 6, 075045. | 0.8 | 36 |
| 4 | Investigating nonlinear vibrations of higher-order hyper-elastic beams using the Hamiltonian method. <i>Acta Mechanica</i> , 2020, 231, 125-138. | 1.1 | 27 |
| 5 | Collaborative Wireless Power Transfer in Wireless Rechargeable Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-13. | 0.8 | 18 |
| 6 | Nonlinear forced vibrations of sandwich smart nanobeams with two-phase piezo-magnetic face sheets. <i>European Physical Journal Plus</i> , 2019, 134, 1. | 1.2 | 17 |
| 7 | Dynamic response of metal foam FG porous cylindrical micro-shells due to moving loads with strain gradient size-dependency. <i>European Physical Journal Plus</i> , 2019, 134, 1. | 1.2 | 17 |
| 8 | Geometrically nonlinear vibration analysis of eccentrically stiffened porous functionally graded annular spherical shell segments. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2206-2220. | 3.4 | 17 |
| 9 | Post-buckling analysis of piezo-magnetic nanobeams with geometrical imperfection and different piezoelectric contents. <i>Microsystem Technologies</i> , 2019, 25, 3477-3488. | 1.2 | 15 |
| 10 | Analyzing nonlinear vibration of metal foam stiffened toroidal convex/concave shell segments considering porosity distribution. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 310-326. | 3.4 | 14 |
| 11 | Analysis of nonlinear vibrations of CNT- /fiberglass-reinforced multi-scale truncated conical shell segments. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2067-2083. | 3.4 | 13 |
| 12 | Small scale effects on transient vibrations of porous FG cylindrical nanoshells based on nonlocal strain gradient theory. <i>European Physical Journal Plus</i> , 2020, 135, 1. | 1.2 | 13 |
| 13 | Nonlinear modeling and dynamic analysis of bioengineering hyper-elastic tubes based on different material models. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 971-983. | 1.4 | 12 |
| 14 | Numerical and laboratory investigation of fatigue prediction models of asphalt containing glass wastes. <i>International Journal of Fatigue</i> , 2020, 140, 105819. | 2.8 | 12 |
| 15 | Nonlinear vibrations of variable thickness curved panels made of multi-scale epoxy/fiberglass/CNT material using Jacobi elliptic functions. <i>Mechanics Based Design of Structures and Machines</i> , 2020, , 1-17. | 3.4 | 6 |
| 16 | Magneto-electric effects on nonlocal nonlinear dynamic characteristics of imperfect multi-phase magneto-electro-elastic beams. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 503, 166649. | 1.0 | 5 |
| 17 | Investigating nonlinear vibrations of multi-scale truncated conical shell segments with carbon nanotube/fiberglass reinforcement using a higher order conical shell theory. <i>Journal of Strain Analysis for Engineering Design</i> , 2021, 56, 181-192. | 1.0 | 5 |
| 18 | Buckling of functionally graded nonuniform and imperfect nanotube using higher order theory. <i>Waves in Random and Complex Media</i> , 2023, 33, 914-937. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 3D FEM Model on the Parameters's Influence of EPB-TBM on Settlements of Single and Twin Metro Tunnels During Construction. International Journal of Pavement Research and Technology, 2022, 15, 525-538. | 1.3 | 5 |
| 20 | Analyzing nonlocal nonlinear vibrations of two-phase geometrically imperfect piezo-magnetic beams considering piezoelectric reinforcement scheme. Journal of Strain Analysis for Engineering Design, 2020, 55, 258-270. | 1.0 | 4 |
| 21 | Investigation of the Effect of Larestan's Pipeline Water on the Mechanical Properties of Concretes Containing Granite Aggregates. Advances in Civil Engineering, 2019, 2019, 1-11. | 0.4 | 3 |
| 22 | Nonlinear dynamic characteristics of nonlocal multi-phase magneto-electro-elastic nano-tubes with different piezoelectric constituents. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 1.1 | 3 |