# Masoud Forsat

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4473699/publications.pdf

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

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dynamic response of metal foam FG porous cylindrical micro-shells due to moving loads with strain gradient size-dependency. European Physical Journal Plus, 2019, 134, 1. | 1.2 | 17 |
| 20 | Dynamic response of functionally graded graphene nanoplatelet reinforced shells with porosity distributions under transverse dynamic loads. Materials Research Express, 2019, 6, 075045. | 0.8 | 36 |
| 21 | Investigation of the Effect of Larestanâ€™s Pipeline Water on the Mechanical Properties of Concretes Containing Granite Aggregates. Advances in Civil Engineering, 2019, 2019, 1-11. | 0.4 | 3 |
| 22 | Post-buckling analysis of piezo-magnetic nanobeams with geometrical imperfection and different piezoelectric contents. Microsystem Technologies, 2019, 25, 3477-3488. | 1.2 | 15 |