Hossein Mohammadi

List of Publications by Year
in descending order

37 papers	965 citations	516710 16 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	603 citing authors

#	Article	IF	Citations
1	Improved dynamical response of functionally graded GPL-reinforced sandwich beams subjected to external excitation via nonlinear dispersion pattern. Engineering With Computers, 2022, 38, 3011-3023.	6.1	7
2	A Simulated Annealing Approach (SA) to Vehicle Routing Problem with Time Windows (VRPTW). , 2022, , .		0
3	Long-life control of tumor growth via synchronizing to a less severe case. Biomedical Signal Processing and Control, 2021, 68, 102727.	5.7	0
4	Load-following control of a nuclear reactor using optimized FOPID controller based on the two-point fractional neutron kinetics model considering reactivity feedback effects. Progress in Nuclear Energy, 2021, 141, 103936.	2.9	9
5	MIMO adaptive control for suppression the vibrations of a nonlinear interconnected structure with abrupt changes in the excitation loads. ISA Transactions, 2020, 98, 123-136.	5.7	3
6	Nonlinear Vibration of Functionally Graded Graphene Nanoplatelets Polymer Nanocomposite Sandwich Beams. Applied Sciences (Switzerland), 2020, 10, 5669.	2.5	29
7	On the tuning of static pull-in instability and nonlinear vibrations of functionally graded micro-resonators with three different configurations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	3
8	A modified passive walking biped model with two feasible switching patterns of motion to resemble multi-pattern human walking. Chaos, Solitons and Fractals, 2019, 127, 83-95.	5.1	27
9	Stability analysis of linear FNPK model considering reactivity feedback effects for a research nuclear reactor. Progress in Nuclear Energy, 2019, 117, 103081.	2.9	4
10	Geometrically nonlinear vibration analysis of sandwich nanoplates based on higher-order nonlocal strain gradient theory. International Journal of Mechanical Sciences, 2019, 156, 31-45.	6.7	41
11	Fluttering and divergence instability of functionally graded viscoelastic nanotubes conveying fluid based on nonlocal strain gradient theory. Chaos, 2019, 29, 033108.	2.5	19
12	A Theoretical Study on the Influence of Carrier Generation on Drain-Source Current of Graphene Nanoscroll Transistors. Plasmonics, 2019, 14, 1329-1334.	3.4	1
13	Using chaotic maps for 3D boundary surveillance by quadrotor robot. Applied Soft Computing Journal, 2019, 76, 68-77.	7.2	44
14	Semi-active nonlinear vibration control of a functionally graded material rotating beam with uncertainties, using a frequency estimator. Composite Structures, 2019, 210, 367-380.	5.8	11
15	Stochastic analysis of dynamic characteristics and pull-in instability of FGM micro-switches with uncertain parameters in thermal environments. International Journal of Mechanics and Materials in Design, 2018, 14, 417-442.	3.0	8
16	Anisotropic material properties of human left common carotid artery using inverse finite element and analytical methods. , 2018, , .		0
17	Adaptive Control of Uncertain MIMO Non-affine Nonlinear Systems with Varying Time-delay Based on Weighted High-dimensional Integral Lyapunov-Krasovskii Functional Method. , 2018, , .		1
18	Analyzing Bifurcation, Stability and Chaos for a Passive Walking Biped Model with a Sole Foot. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850113.	1.7	21

#	ARTICLE	IF	CITATIONS
19	Stochastic analysis of pull-in instability of geometrically nonlinear size-dependent FGM micro beams with random material properties. Composite Structures, 2018, 200, 466-479.	5.8	20
20	A Note on the Effect of Intermediate Principal Stress on the Onset of Strain Localization in Granular Soils. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 429-432.	1.9	3
21	Thermal vibration analysis of nanoplates based on the higher-order nonlocal strain gradient theory by an analytical approach. Superlattices and Microstructures, 2017, 111, 944-959.	3.1	36
22	Adaptive optimal tracking control for a class of nonlinear systems with fully unknown parameters. , 2017, , .		1
23	Nonlinear Robust Adaptive Multi-Modal Vibration Control of Bi-Electrode Micro-Switch with Constraints on the Input. Micromachines, 2017, 8, 263.	2.9	5
24	Adaptive Control for Reducing Nonlinear Vibrations of a Flexible Arm. , 2017, , .		0
25	Boundary element analysis of 2D and 3D thermoelastic problems containing curved line heat sources. European Journal of Computational Mechanics, 2016, 25, 147-164.	0.6	3
26	Dynamic and Stability Analysis of the Rotating Nanobeam in a Nonuniform Magnetic Field Considering the Surface Energy. International Journal of Applied Mechanics, 2016, 08, 1650048.	2.2	25
27	A higher-order nonlocal strain gradient plate model for buckling of orthotropic nanoplates in thermal environment. Acta Mechanica, 2016, 227, 1849-1867.	2.1	145
28	Nonlocal nonlinear plate model for large amplitude vibration of magneto-electro-elastic nanoplates. Composite Structures, 2016, 140, 323-336.	5.8	144
29	Postbuckling instability of nonlinear nanobeam with geometric imperfection embedded in elastic foundation. Nonlinear Dynamics, 2014, 76, 2005-2016.	5.2	36
30	Thermo-mechanical vibration analysis of annular and circular graphene sheet embedded in an elastic medium. Latin American Journal of Solids and Structures, 2014, 11, 659-682.	1.0	33
31	Thermal effects on postbuckling of nonlinear microbeams based on the modified strain gradient theory. Composite Structures, 2013, 106, 764-776.	5.8	51
32	Effect of weak prey in Leslie–Gower predator–prey model. Applied Mathematics and Computation, 2013, 224, 196-204.	2.2	7
33	Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics. Composite Structures, 2012, 94, 1605-1615.	5.8	122
34	Applying adaptive fuzzy sliding mode control to an underactuated system. , 2011, , .		5
35	Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1820-1825.	2.7	90
36	Boundary element analysis of thermo-elastic problems with non-uniform heat sources. Journal of Strain Analysis for Engineering Design, 2010, 45, 605-627.	1.8	10

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37	Boundary element analysis of thermo-elastic problems with non-uniform heat sources. Journal of Strain Analysis for Engineering Design, 2010, 45, 605-627.	1.8	1