

Hossein Mohammadi

List of Publications by Year in descending order

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37
papers

965
citations

516710

16
h-index

454955

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docs citations

37
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	A higher-order nonlocal strain gradient plate model for buckling of orthotropic nanoplates in thermal environment. <i>Acta Mechanica</i> , 2016, 227, 1849-1867.	2.1	145
2	Nonlocal nonlinear plate model for large amplitude vibration of magneto-electro-elastic nanoplates. <i>Composite Structures</i> , 2016, 140, 323-336.	5.8	144
3	Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics. <i>Composite Structures</i> , 2012, 94, 1605-1615.	5.8	122
4	Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1820-1825.	2.7	90
5	Thermal effects on postbuckling of nonlinear microbeams based on the modified strain gradient theory. <i>Composite Structures</i> , 2013, 106, 764-776.	5.8	51
6	Using chaotic maps for 3D boundary surveillance by quadrotor robot. <i>Applied Soft Computing Journal</i> , 2019, 76, 68-77.	7.2	44
7	Geometrically nonlinear vibration analysis of sandwich nanoplates based on higher-order nonlocal strain gradient theory. <i>International Journal of Mechanical Sciences</i> , 2019, 156, 31-45.	6.7	41
8	Postbuckling instability of nonlinear nanobeam with geometric imperfection embedded in elastic foundation. <i>Nonlinear Dynamics</i> , 2014, 76, 2005-2016.	5.2	36
9	Thermal vibration analysis of nanoplates based on the higher-order nonlocal strain gradient theory by an analytical approach. <i>Superlattices and Microstructures</i> , 2017, 111, 944-959.	3.1	36
10	Thermo-mechanical vibration analysis of annular and circular graphene sheet embedded in an elastic medium. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 659-682.	1.0	33
11	Nonlinear Vibration of Functionally Graded Graphene Nanoplatelets Polymer Nanocomposite Sandwich Beams. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5669.	2.5	29
12	A modified passive walking biped model with two feasible switching patterns of motion to resemble multi-pattern human walking. <i>Chaos, Solitons and Fractals</i> , 2019, 127, 83-95.	5.1	27
13	Dynamic and Stability Analysis of the Rotating Nanobeam in a Nonuniform Magnetic Field Considering the Surface Energy. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650048.	2.2	25
14	Analyzing Bifurcation, Stability and Chaos for a Passive Walking Biped Model with a Sole Foot. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850113.	1.7	21
15	Stochastic analysis of pull-in instability of geometrically nonlinear size-dependent FGM micro beams with random material properties. <i>Composite Structures</i> , 2018, 200, 466-479.	5.8	20
16	Fluttering and divergence instability of functionally graded viscoelastic nanotubes conveying fluid based on nonlocal strain gradient theory. <i>Chaos</i> , 2019, 29, 033108.	2.5	19
17	Semi-active nonlinear vibration control of a functionally graded material rotating beam with uncertainties, using a frequency estimator. <i>Composite Structures</i> , 2019, 210, 367-380.	5.8	11
18	Boundary element analysis of thermo-elastic problems with non-uniform heat sources. <i>Journal of Strain Analysis for Engineering Design</i> , 2010, 45, 605-627.	1.8	10

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19	Load-following control of a nuclear reactor using optimized FOPID controller based on the two-point fractional neutron kinetics model considering reactivity feedback effects. <i>Progress in Nuclear Energy</i> , 2021, 141, 103936.	2.9	9
20	Stochastic analysis of dynamic characteristics and pull-in instability of FGM micro-switches with uncertain parameters in thermal environments. <i>International Journal of Mechanics and Materials in Design</i> , 2018, 14, 417-442.	3.0	8
21	Effect of weak prey in Leslie-Gower predator-prey model. <i>Applied Mathematics and Computation</i> , 2013, 224, 196-204.	2.2	7
22	Improved dynamical response of functionally graded GPL-reinforced sandwich beams subjected to external excitation via nonlinear dispersion pattern. <i>Engineering With Computers</i> , 2022, 38, 3011-3023.	6.1	7
23	Applying adaptive fuzzy sliding mode control to an underactuated system. , 2011, , .		5
24	Nonlinear Robust Adaptive Multi-Modal Vibration Control of Bi-Electrode Micro-Switch with Constraints on the Input. <i>Micromachines</i> , 2017, 8, 263.	2.9	5
25	Stability analysis of linear FNPk model considering reactivity feedback effects for a research nuclear reactor. <i>Progress in Nuclear Energy</i> , 2019, 117, 103081.	2.9	4
26	Boundary element analysis of 2D and 3D thermoelastic problems containing curved line heat sources. <i>European Journal of Computational Mechanics</i> , 2016, 25, 147-164.	0.6	3
27	A Note on the Effect of Intermediate Principal Stress on the Onset of Strain Localization in Granular Soils. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 429-432.	1.9	3
28	MIMO adaptive control for suppression the vibrations of a nonlinear interconnected structure with abrupt changes in the excitation loads. <i>ISA Transactions</i> , 2020, 98, 123-136.	5.7	3
29	On the tuning of static pull-in instability and nonlinear vibrations of functionally graded micro-resonators with three different configurations. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	3
30	Adaptive optimal tracking control for a class of nonlinear systems with fully unknown parameters. , 2017, , .		1
31	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
32	A Theoretical Study on the Influence of Carrier Generation on Drain-Source Current of Graphene Nanoscroll Transistors. <i>Plasmonics</i> , 2019, 14, 1329-1334.	3.4	1
33	Boundary element analysis of thermo-elastic problems with non-uniform heat sources. <i>Journal of Strain Analysis for Engineering Design</i> , 2010, 45, 605-627.	1.8	1
34	Adaptive Control for Reducing Nonlinear Vibrations of a Flexible Arm. , 2017, , .		0
35	Anisotropic material properties of human left common carotid artery using inverse finite element and analytical methods. , 2018, , .		0
36	Long-life control of tumor growth via synchronizing to a less severe case. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102727.	5.7	0

#	ARTICLE	IF	CITATIONS
37	A Simulated Annealing Approach (SA) to Vehicle Routing Problem with Time Windows (VRPTW). , 2022, ,		0