

Hamed Asadi

List of Publications by Year in descending order

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35
papers

1,461
citations

257450

24
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361022

35
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35
docs citations

35
times ranked

743
citing authors

#	ARTICLE	IF	CITATIONS
1	Buckling and vibration analysis of a pressurized CNT reinforced functionally graded truncated conical shell under an axial compression using HDQ method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 303, 75-100.	6.6	118
2	Geometrical nonlinear free vibration responses of FG-CNT reinforced composite annular sector plates integrated with piezoelectric layers. <i>Composite Structures</i> , 2017, 171, 100-112.	5.8	96
3	Large amplitude vibration of FG-CNT reinforced composite annular plates with integrated piezoelectric layers on elastic foundation. <i>Thin-Walled Structures</i> , 2017, 120, 203-214.	5.3	70
4	Dynamic stability analysis of a pressurized FG-CNTRC cylindrical shell interacting with supersonic airflow. <i>Composites Part B: Engineering</i> , 2017, 118, 15-25.	12.0	67
5	On dynamic instability of a pressurized functionally graded carbon nanotube reinforced truncated conical shell subjected to yawed supersonic airflow. <i>Composite Structures</i> , 2016, 153, 938-951.	5.8	66
6	Numerical simulation of the fluid-solid interaction for CNT reinforced functionally graded cylindrical shells in thermal environments. <i>Acta Astronautica</i> , 2017, 138, 214-224.	3.2	65
7	Nonlinear bending analysis of FG-CNTRC annular plates with variable thickness on elastic foundation. <i>Thin-Walled Structures</i> , 2019, 135, 453-462.	5.3	61
8	Nonlinear aero-thermal flutter postponement of supersonic laminated composite beams with shape memory alloys. <i>European Journal of Mechanics, A/Solids</i> , 2016, 57, 18-28.	3.7	59
9	Postbuckling analysis of smart FG-CNTRC annular sector plates with surface-bonded piezoelectric layers using generalized differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 325, 689-710.	6.6	59
10	An analytical approach for nonlinear vibration and thermal stability of shape memory alloy hybrid laminated composite beams. <i>European Journal of Mechanics, A/Solids</i> , 2013, 42, 454-468.	3.7	58
11	Exact solution for nonlinear thermal stability of hybrid laminated composite Timoshenko beams reinforced with SMA fibers. <i>Composite Structures</i> , 2014, 108, 811-822.	5.8	58
12	A numerical study on flow-induced instabilities of supersonic FG-CNT reinforced composite flat panels in thermal environments. <i>Composite Structures</i> , 2017, 171, 113-125.	5.8	55
13	An investigation on the aeroelastic flutter characteristics of FG-CNTRC beams in the supersonic flow. <i>Composites Part B: Engineering</i> , 2017, 116, 486-499.	12.0	53
14	Computationally efficient model for flow-induced instability of CNT reinforced functionally graded truncated conical curved panels subjected to axial compression. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 318, 957-980.	6.6	52
15	On the free vibration of thermally pre/post-buckled shear deformable SMA hybrid composite beams. <i>Aerospace Science and Technology</i> , 2013, 31, 73-86.	4.8	47
16	Nonlinear thermo-inertial instability of functionally graded shape memory alloy sandwich plates. <i>Composite Structures</i> , 2015, 120, 496-508.	5.8	44
17	Enhanced thermal buckling of laminated composite cylindrical shells with shape memory alloy. <i>Journal of Composite Materials</i> , 2016, 50, 243-256.	2.4	44
18	On the snap-through instability of post-buckled FG-CNTRC rectangular plates with integrated piezoelectric layers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 331, 53-71.	6.6	42

#	ARTICLE	IF	CITATIONS
19	Nonlinear thermal stability of geometrically imperfect shape memory alloy hybrid laminated composite plates. <i>Smart Materials and Structures</i> , 2014, 23, 075012.	3.5	41
20	Nonlinear dynamics of SMA-fiber-reinforced composite beams subjected to a primary/secondary-resonance excitation. <i>Acta Mechanica</i> , 2015, 226, 437-455.	2.1	41
21	Large amplitude vibration and post-buckling analysis of variable cross-section composite beams on nonlinear elastic foundation. <i>International Journal of Mechanical Sciences</i> , 2014, 79, 47-55.	6.7	40
22	Persistent soil seed banks and floristic diversity in <i>Fagus orientalis</i> forest communities in the Hyrcanian vegetation region of Iran. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011, 206, 365-372.	1.2	32
23	On the nonlinear dynamic responses of FG-CNTRC beams exposed to aerothermal loads using third-order piston theory. <i>Acta Mechanica</i> , 2018, 229, 2413-2430.	2.1	32
24	Enhanced thermal stability of functionally graded sandwich cylindrical shells by shape memory alloys. <i>Smart Materials and Structures</i> , 2015, 24, 045022.	3.5	26
25	Vibration analysis of axially moving line supported functionally graded plates with temperature-dependent properties. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 953-969.	2.1	24
26	Thermal postbuckling analysis of temperature dependent delaminated composite plates. <i>Thin-Walled Structures</i> , 2015, 97, 296-307.	5.3	20
27	On thermal instability of delaminated composite plates. <i>Composite Structures</i> , 2015, 132, 1149-1159.	5.8	19
28	An efficient solver for fully coupled solution of interaction between incompressible fluid flow and nanocomposite truncated conical shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 351, 478-500.	6.6	19
29	Exact Solution for Nonlinear Thermal Stability of Geometrically Imperfect Hybrid Laminated Composite Timoshenko Beams Embedded with SMA Fibers. <i>Journal of Engineering Mechanics - ASCE</i> , 2015, 141, .	2.9	16
30	Computational study on compressive instability of composite plates with off-center delaminations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 310, 429-459.	6.6	14
31	Persistent soil seed banks in old-growth Hyrcanian Box tree (<i>Buxus hyrcana</i>) stands in northern Iran. <i>Ecological Research</i> , 2012, 27, 23-33.	1.5	7
32	Postbuckling behaviors of open section composite struts with edge delamination using a layerwise theory. <i>International Journal of Non-Linear Mechanics</i> , 2017, 95, 315-326.	2.6	6
33	Changes in soil properties and plant biodiversity after 12 years of rehabilitating livestock farms in the Hyrcanian Forests. <i>Agroforestry Systems</i> , 2021, 95, 1493.	2.0	5
34	Compressive instability of open section nanocomposite struts using a layerwise theory. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 820-839.	6.6	4
35	The assignment of relevés to pre-existing vegetation units: a comparison of approaches using species fidelity. <i>Annals of Forest Science</i> , 2021, 78, .	2.0	1