

Ali Reza Saidi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,653
citations

430874

18
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

918
citing authors

#	ARTICLE	IF	CITATIONS
1	The size-dependent vibration analysis of micro-plates based on a modified couple stress theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 877-883.	2.7	242
2	Accurate solution for free vibration analysis of functionally graded thick rectangular plates resting on elastic foundation. <i>Composite Structures</i> , 2011, 93, 1842-1853.	5.8	177
3	Natural frequencies of functionally graded plates with porosities via a simple four variable plate theory: An analytical approach. <i>Thin-Walled Structures</i> , 2017, 120, 366-377.	5.3	144
4	Axisymmetric bending and buckling analysis of thick functionally graded circular plates using unconstrained third-order shear deformation plate theory. <i>Composite Structures</i> , 2009, 89, 110-119.	5.8	119
5	Exact solution for free vibration of thick rectangular plates made of porous materials. <i>Composite Structures</i> , 2015, 134, 1051-1060.	5.8	119
6	Levy Solution for Buckling Analysis of Functionally Graded Rectangular Plates. <i>Applied Composite Materials</i> , 2010, 17, 81-93.	2.5	112
7	Levy-type solution for buckling analysis of thick functionally graded rectangular plates based on the higher-order shear deformation plate theory. <i>Applied Mathematical Modelling</i> , 2010, 34, 3659-3673.	4.2	112
8	A study on large amplitude vibration of multilayered graphene sheets. <i>Computational Materials Science</i> , 2011, 50, 1043-1051.	3.0	102
9	Decoupling the nonlocal elasticity equations for three dimensional vibration analysis of nano-plates. <i>Composite Structures</i> , 2011, 93, 1015-1020.	5.8	66
10	On dynamics of nanotubes conveying nanoflow. <i>International Journal of Engineering Science</i> , 2018, 123, 181-196.	5.0	64
11	Analytical solution for Van der Pol's Duffing oscillators. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2660-2666.	5.1	63
12	Vibration analysis of functionally graded rectangular plates resting on elastic foundation using higher-order shear and normal deformable plate theory. <i>Composite Structures</i> , 2013, 106, 350-361.	5.8	61
13	Exact solution for stability analysis of moderately thick functionally graded sector plates on elastic foundation. <i>Composite Structures</i> , 2011, 93, 629-638.	5.8	59
14	Stability analysis of functionally graded rectangular plates under nonlinearly varying in-plane loading resting on elastic foundation. <i>Archive of Applied Mechanics</i> , 2011, 81, 765-780.	2.2	58
15	Dynamic stability of fluid-conveying thin-walled rotating pipes reinforced with functionally graded carbon nanotubes. <i>Acta Mechanica</i> , 2018, 229, 5013-5029.	2.1	40
16	Vibration Analysis of Functionally Graded Graphene Reinforced Porous Nanocomposite Shells. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950068.	2.2	31
17	Flow-induced vibration and stability analysis of carbon nanotubes based on the nonlocal strain gradient Timoshenko beam theory. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 203-218.	2.6	21
18	Influence of inhomogeneous dental posts on stress distribution in tooth root and interfaces: Three-dimensional finite element analysis. <i>Journal of Prosthetic Dentistry</i> , 2017, 118, 742-751.	2.8	19

#	ARTICLE	IF	CITATIONS
19	Aeroelastic Flutter Analysis of Thick Porous Plates in Supersonic Flow. International Journal of Applied Mechanics, 2019, 11, 1950096.	2.2	19
20	The use of functionally graded dental crowns to improve biocompatibility: a finite element analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2018, 21, 161-168.	1.6	10
21	Exact Closed-Form Solution for Nonlinear Stability Analysis of Porous Functionally Graded Pipes Conveying Fluid Under Various Boundary Conditions. Journal of Vibration Engineering and Technologies, 2022, 10, 2877-2891.	2.2	5
22	Telescopic Dental Needles versus Conventional Dental Needles: Comparison of Pain and Anxiety in Adult Dental Patients of Kerman University of Medical Sciencesâ€”A Randomized Clinical Trial. Journal of Endodontics, 2017, 43, 1273-1278.	3.1	3
23	Piezoelectric energy harvesting via thin annular sectorial plates: an analytical approach. Archive of Applied Mechanics, 2021, 91, 3365-3382.	2.2	3
24	Evaluating the antibacterial effect of synthesized herbal toothpastes and their efficacy for dentine tubule occlusion: Scanning electron microscopy and energyâ€”dispersive Xâ€”ray spectroscopy analysis. Microscopy Research and Technique, 2022, 85, 19-27.	2.2	3
25	A Theoretical Approach for Free Vibration Analysis of the Nano-Plates Considering the Small Scale Effect. , 2010, , .		1
26	A NOVEL PHYSICAL APPROACH FOR MODELING PLASTIC DEFORMATION IN THIN MICROWIRES. International Journal for Multiscale Computational Engineering, 2011, 9, 137-148.	1.2	0
27	Wave propagation analysis of magnetic nanotubes conveying nanoflow. SN Applied Sciences, 2022, 4, 1.	2.9	0