Ali Reza Saidi

List of Publications by Year
in descending order

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	Evaluating the antibacterial effect of synthesized herbal toothpastes and their efficacy for dentine tubule occlusion: Scanning electron microscopy and energy‐dispersive X‐ray spectroscopy analysis. Microscopy Research and Technique, 2022, 85, 19-27.	2.2	3
2	Wave propagation analysis of magnetic nanotubes conveying nanoflow. SN Applied Sciences, 2022, 4, 1.	2.9	0
3	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
4	Piezoelectric energy harvesting via thin annular sectorial plates: an analytical approach. Archive of Applied Mechanics, 2021, 91, 3365-3382.	2.2	3
5	Flow-induced vibration and stability analysis of carbon nanotubes based on the nonlocal strain gradient Timoshenko beam theory. JVC/Journal of Vibration and Control, 2019, 25, 203-218.	2.6	21
6	Vibration Analysis of Functionally Graded Graphene Reinforced Porous Nanocomposite Shells. International Journal of Applied Mechanics, 2019, 11, 1950068.	2.2	31
7	Aeroelastic Flutter Analysis of Thick Porous Plates in Supersonic Flow. International Journal of Applied Mechanics, 2019, 11, 1950096.	2.2	19
8	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
9	On dynamics of nanotubes conveying nanoflow. International Journal of Engineering Science, 2018, 123, 181-196.	5.0	64
10	Dynamic stability of fluid-conveying thin-walled rotating pipes reinforced with functionally graded carbon nanotubes. Acta Mechanica, 2018, 229, 5013-5029.	2.1	40
11	Influence of inhomogeneous dental posts on stress distribution in tooth root and interfaces: Three-dimensional finite element analysis. Journal of Prosthetic Dentistry, 2017, 118, 742-751.	2.8	19
12	Telescopic Dental Needles versus Conventional Dental Needles: Comparison of Pain and Anxiety in Adult Dental Patients of Kerman University of Medical Sciences—A Randomized Clinical Trial. Journal of Endodontics, 2017, 43, 1273-1278.	3.1	3
13	Natural frequencies of functionally graded plates with porosities via a simple four variable plate theory: An analytical approach. Thin-Walled Structures, 2017, 120, 366-377.	5.3	144
14	Exact solution for free vibration of thick rectangular plates made of porous materials. Composite Structures, 2015, 134, 1051-1060.	5.8	119
15	Vibration analysis of functionally graded rectangular plates resting on elastic foundation using higher-order shear and normal deformable plate theory. Composite Structures, 2013, 106, 350-361.	5.8	61
16	A study on large amplitude vibration of multilayered graphene sheets. Computational Materials Science, 2011, 50, 1043-1051.	3.0	102
17	Stability analysis of functionally graded rectangular plates under nonlinearly varying in-plane loading resting on elastic foundation. Archive of Applied Mechanics, 2011, 81, 765-780.	2.2	58
18	Decoupling the nonlocal elasticity equations for three dimensional vibration analysis of nano-plates. Composite Structures, 2011, 93, 1015-1020.	5.8	66

#	Article	IF	Citations
19	Exact solution for stability analysis of moderately thick functionally graded sector plates on elastic foundation. Composite Structures, 2011, 93, 629-638.	5.8	59
20	Accurate solution for free vibration analysis of functionally graded thick rectangular plates resting on elastic foundation. Composite Structures, 2011, 93, 1842-1853.	5.8	177
21	The size-dependent vibration analysis of micro-plates based on a modified couple stress theory. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 877-883.	2.7	242
22	A NOVEL PHYSICAL APPROACH FOR MODELING PLASTIC DEFORMATION IN THIN MICROWIRES. International Journal for Multiscale Computational Engineering, 2011, 9, 137-148.	1.2	0
23	Levy Solution for Buckling Analysis of Functionally Graded Rectangular Plates. Applied Composite Materials, 2010, 17, 81-93.	2.5	112
24	Levy-type solution for buckling analysis of thick functionally graded rectangular plates based on the higher-order shear deformation plate theory. Applied Mathematical Modelling, 2010, 34, 3659-3673.	4.2	112
25	A Theoretical Approach for Free Vibration Analysis of the Nano-Plates Considering the Small Scale Effect. , 2010, , .		1
26	Analytical solution for Van der Polâ€"Duffing oscillators. Chaos, Solitons and Fractals, 2009, 42, 2660-2666.	5.1	63
27	Axisymmetric bending and buckling analysis of thick functionally graded circular plates using unconstrained third-order shear deformation plate theory. Composite Structures, 2009, 89, 110-119.	5.8	119