

Masoud Rahaeifard

List of Publications by Year in descending order

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18
papers

1,106
citations

567247

15
h-index

940516

16
g-index

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all docs

18
docs citations

18
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the size-dependent dynamic characteristics of atomic force microscope microcantilevers based on the modified couple stress theory. <i>International Journal of Engineering Science</i> , 2010, 48, 1985-1994.	5.0	182
2	A strain gradient functionally graded Euler-Bernoulli beam formulation. <i>International Journal of Engineering Science</i> , 2012, 52, 65-76.	5.0	165
3	A nonlinear strain gradient beam formulation. <i>International Journal of Engineering Science</i> , 2011, 49, 1256-1267.	5.0	155
4	Static pull-in analysis of microcantilevers based on the modified couple stress theory. <i>Sensors and Actuators A: Physical</i> , 2011, 171, 370-374.	4.1	134
5	Investigation of the size effects in Timoshenko beams based on the couple stress theory. <i>Archive of Applied Mechanics</i> , 2011, 81, 863-874.	2.2	115
6	Size-dependent pull-in phenomena in nonlinear microbridges. <i>International Journal of Mechanical Sciences</i> , 2012, 54, 306-310.	6.7	64
7	Mechanical behavior analysis of size-dependent micro-scaled functionally graded Timoshenko beams by strain gradient elasticity theory. <i>Composite Structures</i> , 2013, 102, 72-80.	5.8	44
8	A size-dependent model for coupled 3D deformations of nonlinear microbridges. <i>International Journal of Engineering Science</i> , 2016, 100, 171-182.	5.0	43
9	Strain gradient formulation of functionally graded nonlinear beams. <i>International Journal of Engineering Science</i> , 2013, 65, 49-63.	5.0	39
10	Vibration analysis of electrostatically actuated nonlinear microbridges based on the modified couple stress theory. <i>Applied Mathematical Modelling</i> , 2015, 39, 6694-6704.	4.2	32
11	Nonlinear dynamic analysis of a V-shaped microcantilever of an atomic force microscope. <i>Applied Mathematical Modelling</i> , 2011, 35, 5903-5919.	4.2	29
12	A size-dependent yield criterion. <i>International Journal of Engineering Science</i> , 2014, 74, 151-161.	5.0	27
13	Size dependent thermal buckling and postbuckling of functionally graded circular microplates based on modified couple stress theory. <i>Journal of Thermal Stresses</i> , 2018, 41, 1-16.	2.0	27
14	On pull-in instabilities of microcantilevers. <i>International Journal of Engineering Science</i> , 2015, 87, 23-31.	5.0	21
15	Size-dependent dynamic behavior of microcantilevers under suddenly applied DC voltage. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 896-906.	2.1	16
16	Investigation of the fatigue behavior of adhesive bonding of the lithium disilicate glass ceramic with three resin cements using rotating fatigue method. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 61, 62-69.	3.1	8
17	Vibration control of vehicle suspension system using adaptive critic-based neurofuzzy controller. , 2009, , .		3
18	Spindle Speed Variation for Regenerative Chatter Suppression in Turning Process With Tool Wear Effect. , 2010, , .		2