

Amir Reza Askari

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

252
citations

1040056

9
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent dynamic pull-in analysis of beam-type MEMS under mechanical shock based on the modified couple stress theory. <i>Applied Mathematical Modelling</i> , 2015, 39, 934-946.	4.2	45
2	Size-dependent free vibration analysis of electrostatically pre-deformed rectangular micro-plates based on the modified couple stress theory. <i>International Journal of Mechanical Sciences</i> , 2015, 94-95, 185-198.	6.7	39
3	Size-dependent dynamic pull-in analysis of geometric non-linear micro-plates based on the modified couple stress theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 86, 262-274.	2.7	26
4	An alternative reduced order model for electrically actuated micro-beams under mechanical shock. <i>Mechanics Research Communications</i> , 2014, 57, 34-39.	1.8	25
5	Stability analysis of electrostatically actuated nano/micro-beams under the effect of van der Waals force, a semi-analytical approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 34, 130-141.	3.3	19
6	Accurate electrostatic and van der Waals pull-in prediction for fully clamped nano/micro-beams using linear universal graphs of pull-in instability. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 63, 151-159.	2.7	18
7	Analytical determination of size-dependent natural frequencies of fully clamped rectangular microplates based on the modified couple stress theory. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 2135-2145.	1.5	15
8	A frequency criterion for doubly clamped beam-type N/MEMS subjected to the van der Waals attraction. <i>Applied Mathematical Modelling</i> , 2017, 41, 650-666.	4.2	14
9	Bi-stability of pressurized electrically actuated flat micro-plates. <i>International Journal of Solids and Structures</i> , 2019, 178-179, 167-179.	2.7	12
10	Size-dependent free vibrations of electrostatically predeformed functionally graded micro-cantilevers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 87, 012117.	0.6	10
11	Investigating Nonlinear Vibration of a Fully Clamped Nanobeam in Presence of the van der Waals Attraction. <i>Applied Mechanics and Materials</i> , 2012, 226-228, 181-185.	0.2	9
12	A Novel Method for Investigating the Casimir Effect on Pull-In Instability of Electrostatically Actuated Fully Clamped Rectangular Nano/Microplates. <i>Journal of Nanoscience</i> , 2015, 2015, 1-9.	2.6	6
13	The influence of higher in- and out-of-plane natural modes on dynamic pull-in instability of electrically actuated micro-plates. <i>European Journal of Computational Mechanics</i> , 2018, 27, 123-142.	0.6	4
14	Strain gradient bistability of bimorph piezoelectric curved beam interacting with a curved electrode. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	1.6	4
15	Size-dependent pull-in instability analysis of electrically actuated packaged FC micro-cantilevers under the effect of mechanical shock. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	3
16	Dynamic Analysis of Rectangular Micro-plates Under Mechanical Shock in Presence of Electrostatic Actuation. <i>Sensing and Imaging</i> , 2018, 19, 1.	1.5	2
17	Dynamic Pull-In Investigation of a Clamped-Clamped Nanoelectromechanical Beam under Ramp-Input Voltage and the Casimir Force. <i>Shock and Vibration</i> , 2014, 2014, 1-5.	0.6	1
18	Size-dependent response of electrically pre-deformed micro-plates under mechanical shock incorporating the effect of packaging, a frequency-domain analysis. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	0