

Ehsan Maani Miandoab

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

465
citations

840119

11
h-index

794141

19
g-index

23
all docs

23
docs citations

23
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos prediction in MEMS-NEMS resonators. International Journal of Engineering Science, 2014, 82, 74-83.	2.7	63
2	Polysilicon nano-beam model based on modified couple stress and Eringen's nonlocal elasticity theories. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 63, 223-228.	1.3	58
3	Nonlocal and strain gradient based model for electrostatically actuated silicon nano-beams. Microsystem Technologies, 2015, 21, 457-464.	1.2	55
4	Study of nonlinear dynamics and chaos in MEMS/NEMS resonators. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 611-622.	1.7	53
5	On the dynamics of bistable micro/nano resonators: Analytical solution and nonlinear behavior. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 1078-1089.	1.7	53
6	Size-dependent bistability of an electrostatically actuated arch NEMS based on strain gradient theory. Journal Physics D: Applied Physics, 2015, 48, 245503.	1.3	35
7	Effect of size on the chaotic behavior of nano resonators. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 495-505.	1.7	28
8	Dynamic Analysis of Electrostatically Actuated Nanobeam Based on Strain Gradient Theory. International Journal of Structural Stability and Dynamics, 2015, 15, 1450059.	1.5	23
9	Nano-resonator frequency response based on strain gradient theory. Journal Physics D: Applied Physics, 2014, 47, 365303.	1.3	18
10	A general closed-form solution for the static pull-in voltages of electrostatically actuated MEMS/NEMS. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 90, 7-12.	1.3	16
11	Effect of surface energy on nano-resonator dynamic behavior. International Journal of Mechanical Sciences, 2016, 119, 51-58.	3.6	13
12	Classification of the nonlinear dynamics in an initially curved bistable micro/nano-electro-mechanical system resonator. Micro and Nano Letters, 2015, 10, 583-588.	0.6	12
13	Poly silicon nanobeam model based on strain gradient theory. Mechanics Research Communications, 2014, 62, 83-88.	1.0	11
14	Effect of size on the dynamic behaviors of atomic force microscopes. Microsystem Technologies, 2018, 24, 1755-1765.	1.2	10
15	Effect of surface on nano-beam mechanical behaviors: a parametric analysis. Microsystem Technologies, 2021, 27, 665-672.	1.2	4
16	Onset of chaos in nano-resonators based on strain gradient theory: Numerical analysis. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105864.	1.7	4
17	Nonlinear dynamics of nano-resonators: an analytical approach. Microsystem Technologies, 2016, 22, 2259-2271.	1.2	2
18	Parameter identification of complex network dynamics. Nonlinear Dynamics, 2021, 104, 3991.	2.7	2

#	ARTICLE	IF	CITATIONS
19	Data-Driven Discovery of Social Network Dynamics. , 2020, , .		2
20	Optimized Bit Extraction Using Distortion Estimation in the Scalable Extension of H.264/AVC. , 2008, , .		1
21	Control of dry friction oscillator using semi-active magneto-rheological tuned liquid column damper. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 2495-2502.	1.1	1
22	Nonlinear dynamics of electrostatically actuated micro-resonator: Analytical solution by homotopy perturbation method. , 2014, , .		1
23	Estimation of Solar Panels Available Power for a LEO Satellite in Detumbling Mode Based on Monte Carlo Analysis. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 4-11.	2.3	0