

# 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

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23  
docs citations

23  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of surface on nano-beam mechanical behaviors: a parametric analysis. <i>Microsystem Technologies</i> , 2021, 27, 665-672.	1.2	4
2	Parameter identification of complex network dynamics. <i>Nonlinear Dynamics</i> , 2021, 104, 3991.	2.7	2
3	Onset of chaos in nano-resonators based on strain gradient theory: Numerical analysis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 101, 105864.	1.7	4
4	Data-Driven Discovery of Social Network Dynamics. , 2020, , .		2
5	Estimation of Solar Panels Available Power for a LEO Satellite in Detumbling Mode Based on Monte Carlo Analysis. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 4-11.	2.3	0
6	Effect of size on the dynamic behaviors of atomic force microscopes. <i>Microsystem Technologies</i> , 2018, 24, 1755-1765.	1.2	10
7	A general closed-form solution for the static pull-in voltages of electrostatically actuated MEMS/NEMS. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 90, 7-12.	1.3	16
8	Effect of size on the chaotic behavior of nano resonators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 44, 495-505.	1.7	28
9	Effect of surface energy on nano-resonator dynamic behavior. <i>International Journal of Mechanical Sciences</i> , 2016, 119, 51-58.	3.6	13
10	Nonlinear dynamics of nano-resonators: an analytical approach. <i>Microsystem Technologies</i> , 2016, 22, 2259-2271.	1.2	2
11	Size-dependent bistability of an electrostatically actuated arch NEMS based on strain gradient theory. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 245503.	1.3	35
12	Classification of the nonlinear dynamics in an initially curved bistable micro/nano-electro-mechanical system resonator. <i>Micro and Nano Letters</i> , 2015, 10, 583-588.	0.6	12
13	Dynamic Analysis of Electrostatically Actuated Nanobeam Based on Strain Gradient Theory. <i>International Journal of Structural Stability and Dynamics</i> , 2015, 15, 1450059.	1.5	23
14	Nonlocal and strain gradient based model for electrostatically actuated silicon nano-beams. <i>Microsystem Technologies</i> , 2015, 21, 457-464.	1.2	55
15	Study of nonlinear dynamics and chaos in MEMS/NEMS resonators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 611-622.	1.7	53
16	On the dynamics of bistable micro/nano resonators: Analytical solution and nonlinear behavior. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 1078-1089.	1.7	53
17	Control of dry friction oscillator using semi-active magneto-rheological tuned liquid column damper. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 2495-2502.	1.1	1
18	Nonlinear dynamics of electrostatically actuated micro-resonator: Analytical solution by homotopy perturbation method. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Nano-resonator frequency response based on strain gradient theory. Journal Physics D: Applied Physics, 2014, 47, 365303.	1.3	18
20	Poly silicon nanobeam model based on strain gradient theory. Mechanics Research Communications, 2014, 62, 83-88.	1.0	11
21	Chaos prediction in MEMS-NEMS resonators. International Journal of Engineering Science, 2014, 82, 74-83.	2.7	63
22	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
23	Optimized Bit Extraction Using Distortion Estimation in the Scalable Extension of H.264/AVC. , 2008, , .		1