

Oriel Shoshani

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

371
citations

1039880

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h-index

794469

19
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21
all docs

21
docs citations

21
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero-dispersion point in curved micro-mechanical beams. <i>Nonlinear Dynamics</i> , 2022, 107, 1-14.	2.7	11
2	Amplitude stabilization in a synchronized nonlinear nanomechanical oscillator. <i>Communications Physics</i> , 2022, 5, .	2.0	5
3	Tuning nonlinear damping in graphene nanoresonators by parametric direct internal resonance. <i>Nature Communications</i> , 2021, 12, 1099.	5.8	49
4	Resonant modal interactions in micro/nano-mechanical structures. <i>Nonlinear Dynamics</i> , 2021, 104, 1801-1828.	2.7	24
5	Amplifying the response of a driven resonator via nonlinear interaction with a secondary resonator. <i>Nonlinear Dynamics</i> , 2021, 105, 1427-1436.	2.7	5
6	Tuning linear and nonlinear characteristics of a resonator via nonlinear interaction with a secondary resonator. <i>Nonlinear Dynamics</i> , 2020, 99, 433-443.	2.7	11
7	Theoretical aspects of synchronization in transverse galloping aeroelastic instability. <i>Applied Mathematical Modelling</i> , 2020, 80, 257-267.	2.2	4
8	Investigation of transverse galloping in the presence of structural nonlinearities: theory and experiment. <i>Nonlinear Dynamics</i> , 2020, 102, 1197-1207.	2.7	2
9	Bifurcation diagram and dynamic response of a MEMS resonator with a 1:3 internal resonance. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	38
10	Bifurcation Generated Mechanical Frequency Comb. <i>Physical Review Letters</i> , 2018, 121, 244302.	2.9	73
11	Deterministic and stochastic analyses of the lock-in phenomenon in vortex-induced vibrations. <i>Journal of Sound and Vibration</i> , 2018, 434, 17-27.	2.1	11
12	Theoretical aspects of transverse galloping. <i>Nonlinear Dynamics</i> , 2018, 94, 2685-2696.	2.7	8
13	Tailoring the nonlinear response of MEMS resonators using shape optimization. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	37
14	Modeling for Nonlinear Vibrational Response of Mechanical Systems. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2017, , 277-319.	0.3	2
15	Anomalous Decay of Nanomechanical Modes Going Through Nonlinear Resonance. <i>Scientific Reports</i> , 2017, 7, 18091.	1.6	34
16	Phase Noise Reduction in an MEMS Oscillator Using a Nonlinearly Enhanced Synchronization Domain. <i>Journal of Microelectromechanical Systems</i> , 2016, 25, 870-876.	1.7	25
17	Generalized Parametric Resonance. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016, 15, 767-788.	0.7	2
18	Phase Noise Reduction and Optimal Operating Conditions for a Pair of Synchronized Oscillators. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016, 63, 1-11.	3.5	18

#	ARTICLE	IF	CITATIONS
19	Characterizing MEMS nonlinearities directly: The ring-down measurements. , 2015, , .		11
20	Non-linear stability of a perturbed Orr-Sommerfeld solution for the wake of a stationary cylinder at low Reynolds numbers. International Journal of Non-Linear Mechanics, 2013, 57, 176-182.	1.4	1