Agnessa Kovaleva

List of Publications by Year
in descending order

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44	255	932766	996533
papers	citations	10 h-index	15 g-index

45	45	45	73
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Response enhancement and energy localization in autoresonant nonlinear chains. International Journal of Non-Linear Mechanics, 2021, 135, 103753.	1.4	1
2	Autoresonance in weakly dissipative Kleinâ€“Gordon chains. Physica D: Nonlinear Phenomena, 2020, 402, 132284.	1.3	5
3	Energy Transport and Localization in Weakly Dissipative Resonant Chains. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2020, , 191-202.	0.1	0
4	Resonance-Induced Energy Localization in Weakly Dissipative Anharmonic Chains. , 2020, , 277-285.		0
5	Classical Analog of Linear and Quasi-Linear Quantum Tunneling. Foundations in Engineering Mechanics, 2018, , 337-354.	0.0	0
6	Limiting Phase Trajectories and the Emergence of Autoresonance in Anharmonic Oscillators. Foundations in Engineering Mechanics, 2018, , 195-223.	0.0	0
7	Quasi-One-Dimensional Nonlinear Lattices. Foundations in Engineering Mechanics, 2018, , 85-140.	0.0	0
8	Two Coupled Oscillators. Foundations in Engineering Mechanics, 2018, , 3-26.	0.0	1
9	Nonlinear Targeted Energy Transfer and Macroscopic Analogue of the Quantum Landau-Zener Effect in Coupled Granular Chains. Foundations in Engineering Mechanics, 2018, , 293-325.	0.0	0
10	Duffing Oscillators. Foundations in Engineering Mechanics, 2018, , 155-186.	0.0	0
11	Targeted Energy Transfer. Foundations in Engineering Mechanics, 2018, , 227-243.	0.0	0
12	Autoresonance in a strongly nonlinear chain driven at one end. Physical Review E, 2018, 98, .	0.8	3
13	Resonance-induced energy localization in a weakly dissipative nonlinear chain. Physical Review E, 2018, 98, 012205.	0.8	2
14	Nonstationary Resonant Dynamics of Oscillatory Chains and Nanostructures. Foundations in Engineering Mechanics, 2018, , .	0.0	7
15	Control of autoresonance in mechanical and physical models. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160213.	1.6	4
16	Internal autoresonance in coupled oscillators with slowly decaying frequency. Physical Review E, 2017, 96, 032213.	0.8	2
17	Energy transfer in autoresonant Kleinâ€“Gordon chains. Physica D: Nonlinear Phenomena, 2017, 361, 28-34.	1.3	3
18	Nonstationary energy localization vs conventional stationary localization in weakly coupled nonlinear oscillators. Regular and Chaotic Dynamics, 2016, 21, 147-159.	0.3	3

#	Article	IF	Citations
19	Energy localization in weakly dissipative resonant chains. Physical Review E, 2016, 94, 022208.	0.8	5
20	Asymptotic Analysis of Autoresonant Oscillator Chains. Procedia IUTAM, 2016, 19, 169-177.	1.2	2
21	Autoresonance versus localization in weakly coupled oscillators. Physica D: Nonlinear Phenomena, 2016, 320, 1-8.	1.3	17
22	Autoresonant dynamics of weakly coupled oscillators. Nonlinear Dynamics, 2016, 84, 683-695.	2.7	4
23	Response enhancement in an oscillator chain. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 373-386.	1.7	6
24	Capture into resonance of coupled Duffing oscillators. Physical Review E, 2015, 92, 022909.	0.8	13
25	Excitation and Control of Autoresonance in an Oscillator Chain. IFAC-PapersOnLine, 2015, 48, 1037-1042.	0.5	0
26	Limiting phase trajectories and emergence of autoresonance in nonlinear oscillators. Physical Review E, 2013, 88, 024901.	0.8	23
27	Nonlinear energy transfer in classical and quantum systems. Physical Review E, 2013, 87, 022904.	0.8	17
28	Resonance energy transport and exchange in oscillator arrays. Physical Review E, 2013, 88, 022904.	0.8	10
29	Classical analog of quasilinear Landau-Zener tunneling. Physical Review E, 2012, 85, 016202.	0.8	18
30	Control of a weakly perturbed Lagrangian system with a guaranteed escape rate. Probabilistic Engineering Mechanics, 2011, 26, 39-43.	1.3	1
31	Fresnel integrals and irreversible energy transfer in an oscillatory system with time-dependent parameters. Physical Review E, 2011, 83, 026602.	0.8	24
32	Intense energy transfer and superharmonic resonance in a system of two coupled oscillators. Physical Review E, 2010, 81, 056215.	0.8	16
33	Explicit asymptotic solutions for a class of weak-noise escape problems. Probabilistic Engineering Mechanics, 2009, 24, 84-88.	1.3	4
34	An exact solution of the first-exit time problem for a class of structural systems. Probabilistic Engineering Mechanics, 2009, 24, 463-466.	1.3	11
35	Random Rocking Dynamics of a Multidimensional Structure. Lecture Notes in Applied and Computational Mechanics, 2009, , 149-160.	2.0	3
36	Approximation of Escape Time for Lagrangian Systems With Fast Noise. IEEE Transactions on Automatic Control, 2007, 52, 2338-2341.	3.6	12

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37	Solution of the exit time problem for mechanical systems with fast noise. Probabilistic Engineering Mechanics, 2006, 21, 300-304.	1.3	5
38	A reliability-based criterion of structural performance for structures with linear damping. Smart Structures and Systems, 2006, 2, 313-320.	1.9	4
39	Noise-Induced Synchronization and Stochastic Resonance in a Bistable System. , 2005, , 345-353.		1
40	Control of Structures by Means of High-Frequency Vibration. Solid Mechanics and Its Applications, 2003, , 227-236.	0.1	0
41	Control Against Large Deviation for Oscillatory Systems. Solid Mechanics and Its Applications, 2003, , 247-256.	0.1	1
42	Risk-Sensitive Control for Nonlinear Oscillatory Systems with Small Noise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 1089-1093.	0.4	1
43	Risk-sensitive control for nonlinear flexible structures. Structural Control and Health Monitoring, 2001, 8, 291-307.	0.4	1
44	Optimal Control of Mechanical Oscillations. Foundations in Engineering Mechanics, 1999, , .	0.0	25