

# Yuli Starosvetsky

## List of Publications by Year in descending order

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19  
papers

647  
citations

687363

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839539

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docs citations

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times ranked

251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Targeted Energy Transfer and Macroscopic Analogue of the Quantum Landau-Zener Effect in Coupled Granular Chains. Foundations in Engineering Mechanics, 2018, , 293-325.	0.1	0
2	Solitary waves in diatomic chains. Physical Review E, 2016, 93, 042210.	2.1	33
3	Nonlinear mixed solitaryâ€”Shear waves and pulse equi-partition in a granular network. Physica D: Nonlinear Phenomena, 2015, 291, 45-61.	2.8	21
4	Classification of periodic orbits of two-dimensional homogeneous granular crystals with no pre-compression. Nonlinear Dynamics, 2014, 76, 673-696.	5.2	1
5	Breather Solutions of the Discrete p-SchrÃ¶dinger Equation. Advances in Dynamics, Patterns, Cognition, 2014, , 77-115.	0.3	7
6	Nonlinear Resonances Leading to Strong Pulse Attenuation in Granular Dimer Chains. Journal of Nonlinear Science, 2013, 23, 363-392.	2.1	45
7	Strongly nonlinear traveling waves in granular dimer chains. Mechanical Systems and Signal Processing, 2013, 39, 91-107.	8.0	25
8	Nonlinear resonances in a general class of granular dimers with no pre-compression. Granular Matter, 2013, 15, 327-347.	2.2	13
9	Nonlinear Pulse Equipartition in Weakly Coupled Ordered Granular Chains With No Precompression. Journal of Computational and Nonlinear Dynamics, 2013, 8, .	1.2	14
10	Frequency bands of strongly nonlinear homogeneous granular systems. Physical Review E, 2013, 88, 012206.	2.1	33
11	Scattering of Solitary Waves and Excitation of Transient Breathers in Granular Media by Light Intruders and No Precompression. Journal of Applied Mechanics, Transactions ASME, 2012, 79, .	2.2	39
12	Strongly Nonlinear Beat Phenomena and Energy Exchanges in Weakly Coupled Granular Chains on Elastic Foundations. SIAM Journal on Applied Mathematics, 2012, 72, 337-361.	1.8	52
13	Effective particles and classification of the dynamics of homogeneous granular chains with no precompression. Physical Review E, 2012, 85, 036606.	2.1	11
14	Non-resonant damped transitions resembling continuous resonance scattering in coupled oscillators with essential nonlinearities. Physica D: Nonlinear Phenomena, 2012, 241, 964-975.	2.8	8
15	Dynamic instabilities in coupled oscillators induced by geometrically nonlinear damping. Nonlinear Dynamics, 2012, 67, 807-827.	5.2	58
16	New family of solitary waves in granular dimer chains with no precompression. Physical Review E, 2011, 83, 036606.	2.1	105
17	Primary wave transmission in systems of elastic rods with granular interfaces. Wave Motion, 2011, 48, 568-585.	2.0	18
18	Nonlinear normal modes and band zones in granular chains with no pre-compression. Nonlinear Dynamics, 2011, 63, 359-385.	5.2	75

#	ARTICLE	IF	CITATIONS
19	Traveling waves and localized modes in one-dimensional homogeneous granular chains with no precompression. <i>Physical Review E</i> , 2010, 82, 026603.	2.1	89