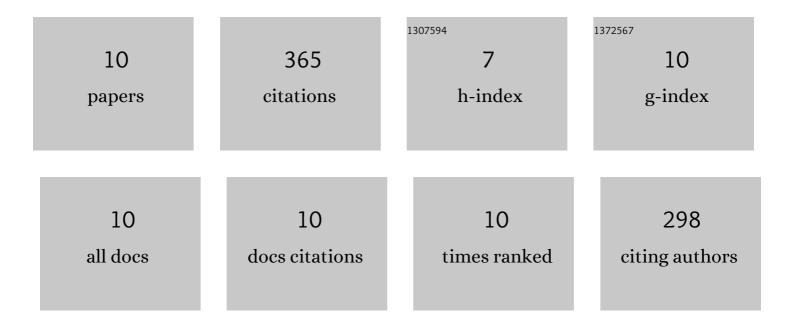
Liuyang Xiong

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8518108/publications.pdf Version: 2024-02-01



LIUVANC XIONC

#	Article	IF	CITATIONS
1	Internal resonance with commensurability induced by an auxiliary oscillator for broadband energy harvesting. Applied Physics Letters, 2016, 108, .	3.3	118
2	A comprehensive study of 2:1 internal-resonance-based piezoelectric vibration energy harvesting. Nonlinear Dynamics, 2018, 91, 1817-1834.	5.2	68
3	Broadband piezoelectric vibration energy harvesting using a nonlinear energy sink. Journal Physics D: Applied Physics, 2018, 51, 185502.	2.8	55
4	Magnetically coupled dual-beam energy harvester: Benefit and trade-off. Journal of Intelligent Material Systems and Structures, 2018, 29, 1216-1235.	2.5	53
5	Development and validation of a piecewise linear nonlinear energy sink for vibration suppression and energy harvesting. Journal of Sound and Vibration, 2021, 503, 116104.	3.9	34
6	Modeling and harmonic analysis of energy extracting performance of a piezoelectric nonlinear energy sink system with AC and DC interface circuits. Mechanical Systems and Signal Processing, 2021, 155, 107609.	8.0	12
7	Vibration energy harvesting based on a piezoelectric nonlinear energy sink with synchronized charge extraction interface circuit. Journal Physics D: Applied Physics, 2020, 53, 505502.	2.8	10
8	Capture of high energy orbit of Duffing oscillator with time-varying parameters. Chaos, 2020, 30, 023106.	2.5	7
9	Effect of Electromechanical Coupling on Dynamic Characteristics of a Piezoelectric Nonlinear Energy Sink System. Journal of Vibration Engineering and Technologies, 2021, 9, 687-699.	2.2	5
10	Broadband performance of a piezoelectric energy harvester based on the internal resonance of buckled beam. Proceedings of SPIE, 2016, , .	0.8	3