

Liuyang Xiong

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

365
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

298
citing authors

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