Mingjie Guan

List of Publications by Citations

22 papers	277 citations	6 h-index	16 g-index
22 ext. papers	342 ext. citations	2.9 avg, IF	3.92 L-index

#	Paper	IF	Citations
22	Design and analysis of a piezoelectric energy harvester for rotational motion system. *Energy Conversion and Management*, **2016**, 111, 239-244	10.6	137
21	Design and experimental investigation of a low-voltage thermoelectric energy harvesting system for wireless sensor nodes. *Energy Conversion and Management*, **2017**, 138, 30-37	10.6	73
20	Vibration energy harvesting in automobiles to power wireless sensors **2012**,		12
19	A High Efficiency Boost Converter with MPPT Scheme for Low Voltage Thermoelectric Energy Harvesting. *Journal of Electronic Materials*, **2016**, 45, 5514-5520	1.9	7
18	An adaptive boost converter for low voltage piezoelectric energy harvesting. *Ferroelectrics*, **2016**, 502, 107-118	0.6	7
17	Harmonics detection via input observer with grid frequency fluctuation. *International Journal of Electrical Power and Energy Systems*, **2020**, 115, 105461	5.1	7
16	Study of a Piezoelectric Energy Harvesting Floor Structure with Force Amplification Mechanism. *Energies*, **2019**, 12, 3516	3.1	6
15	Piezoelectric Energy Harvesting in Automobiles. *Ferroelectrics*, **2014**, 467, 33-41	0.6	6
14	Study of a Low-Power-Consumption Piezoelectric Energy Harvesting Circuit Based on Synchronized Switching Technology. *Energies*, **2019**, 12, 3166	3.1	5
13	Study of an inertial piezoelectric energy harvester from a backpack. *Ferroelectrics*, **2019**, 550, 233-243	0.6	5
12	A Power Converter Decoupled from the Resonant Network for Wireless Inductive Coupling Power Transfer. *Energies*, **2019**, 12, 1192	3.1	3
11	A Novel Frequency Tunable Mechanism for Piezoelectric Energy Harvesting System. *Ferroelectrics*, **2015**, 478, 96-105	0.6	3
10	Study of an adaptive energy harvesting system for high voltage piezoelectric generators. *Ferroelectrics*, **2018**, 531, 143-156	0.6	2
9	A Converter Based on Independently Inductive Energy Injection and Free Resonance for Wireless Energy Transfer. *Energies*, **2019**, 12, 3467	3.1	1
8	Series-Series/Series Compensated Inductive Power Transmission System with Symmetrical Half-Bridge Resonant Converter: Design, Analysis, and Experimental Assessment. *Energies*, **2019**, 12, 2268	3.1	1
7	A Low-Power Thermoelectric Energy Harvesting System for High Internal Resistance Thermoelectric Generators. *Journal of Electronic Materials*, **2019**, 48, 5375-5389	1.9	1
6	Design and Experimental Investigation of a Rotational Piezoelectric Energy Harvester with an Offset Distance from the Rotation Center.. *Micromachines*, **2022**, 13,	3.3	1

List of Publications

5	Energy harvesting from a floor structure based on multiple piezoelectric transducer beams. *Ferroelectrics*, **2021**, 577, 181-191	0.6	0
4	Using wavelet denoising in automatic online efficiency estimation of a hydraulic excavator. *Transactions of the Institute of Measurement and Control*, **2017**, 39, 1262-1270	1.8	
3	A Converter with Automatic Stage Transition Control for Inductive Power Transfer. *Energies*, **2020**, 13, 5268	3.1	
2	A practical stable control scheme under end point equivalence modulation for DC power supply converters. *IET Power Electronics*, **2021**, 14, 2374	2.2	
1	Design and Comparative Study of a Small-Stroke Energy Harvesting Floor Based on a Multi-Layer Piezoelectric Beam Structure. *Micromachines*, **2022**, 13, 736	3.3	