

# Mingjie Guan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 Experimental Investigation of a Rotational Piezoelectric Energy Harvester with an Offset Distance from the Rotation Center.. <i>Micromachines</i> , <b>2022</b> , 13,	3.3	1
21	Design and Comparative Study of a Small-Stroke Energy Harvesting Floor Based on a Multi-Layer Piezoelectric Beam Structure. <i>Micromachines</i> , <b>2022</b> , 13, 736	3.3	
20	Energy harvesting from a floor structure based on multiple piezoelectric transducer beams. <i>Ferroelectrics</i> , <b>2021</b> , 577, 181-191	0.6	0
19	A practical stable control scheme under end point equivalence modulation for DC power supply converters. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2374	2.2	
18	A Converter with Automatic Stage Transition Control for Inductive Power Transfer. <i>Energies</i> , <b>2020</b> , 13, 5268	3.1	
17	Harmonics detection via input observer with grid frequency fluctuation. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 115, 105461	5.1	7
16	A Converter Based on Independently Inductive Energy Injection and Free Resonance for Wireless Energy Transfer. <i>Energies</i> , <b>2019</b> , 12, 3467	3.1	1
15	Study of a Piezoelectric Energy Harvesting Floor Structure with Force Amplification Mechanism. <i>Energies</i> , <b>2019</b> , 12, 3516	3.1	6
14	Study of a Low-Power-Consumption Piezoelectric Energy Harvesting Circuit Based on Synchronized Switching Technology. <i>Energies</i> , <b>2019</b> , 12, 3166	3.1	5
13	A Power Converter Decoupled from the Resonant Network for Wireless Inductive Coupling Power Transfer. <i>Energies</i> , <b>2019</b> , 12, 1192	3.1	3
12	Series-Series/Series Compensated Inductive Power Transmission System with Symmetrical Half-Bridge Resonant Converter: Design, Analysis, and Experimental Assessment. <i>Energies</i> , <b>2019</b> , 12, 2268	3.1	1
11	Study of an inertial piezoelectric energy harvester from a backpack. <i>Ferroelectrics</i> , <b>2019</b> , 550, 233-243	0.6	5
10	A Low-Power Thermoelectric Energy Harvesting System for High Internal Resistance Thermoelectric Generators. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 5375-5389	1.9	1
9	Study of an adaptive energy harvesting system for high voltage piezoelectric generators. <i>Ferroelectrics</i> , <b>2018</b> , 531, 143-156	0.6	2
8	Using wavelet denoising in automatic online efficiency estimation of a hydraulic excavator. <i>Transactions of the Institute of Measurement and Control</i> , <b>2017</b> , 39, 1262-1270	1.8	
7	Design and experimental investigation of a low-voltage thermoelectric energy harvesting system for wireless sensor nodes. <i>Energy Conversion and Management</i> , <b>2017</b> , 138, 30-37	10.6	73
6	A High Efficiency Boost Converter with MPPT Scheme for Low Voltage Thermoelectric Energy Harvesting. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 5514-5520	1.9	7

5	An adaptive boost converter for low voltage piezoelectric energy harvesting. <i>Ferroelectrics</i> , <b>2016</b> , 502, 107-118	0.6	7
4	Design and analysis of a piezoelectric energy harvester for rotational motion system. <i>Energy Conversion and Management</i> , <b>2016</b> , 111, 239-244	10.6	137
3	A Novel Frequency Tunable Mechanism for Piezoelectric Energy Harvesting System. <i>Ferroelectrics</i> , <b>2015</b> , 478, 96-105	0.6	3
2	Piezoelectric Energy Harvesting in Automobiles. <i>Ferroelectrics</i> , <b>2014</b> , 467, 33-41	0.6	6
1	Vibration energy harvesting in automobiles to power wireless sensors <b>2012</b> ,		12