

Tiancheng Xue

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

254
citations

1684188

5
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly (001) Oriented Bimorph PZT Film on Metal Foils Grown by Sputtering for Wrist-Worn Piezoelectric Energy Harvesters. <i>Advanced Functional Materials</i> , 2018, 28, 1801327.	14.9	61
2	On magnetic plucking configurations for frequency up-converting mechanical energy harvesters. <i>Sensors and Actuators A: Physical</i> , 2017, 253, 101-111.	4.1	58
3	Architectures for wrist-worn energy harvesting. <i>Smart Materials and Structures</i> , 2018, 27, 044001.	3.5	37
4	Wearable inertial energy harvester with sputtered bimorph lead zirconate titanate (PZT) thin-film beams. <i>Smart Materials and Structures</i> , 2018, 27, 085026.	3.5	36
5	System Modeling, Characterization, and Design Considerations for Generators in Commercial Watches With Application to Energy Harvesting for Wearables. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 2515-2524.	5.8	23
6	27.4 Multi-Beam Shared-Inductor Reconfigurable Voltage/SECE-Mode Piezoelectric Energy Harvesting of Multi-Axial Human Motion. , 2019, , .		18
7	A wrist-worn rotational energy harvester utilizing magnetically plucked {001} oriented bimorph PZT thin-film beams. , 2017, , .		13
8	Characterization of micro-generators embedded in commercial-off-the-shelf watches for wearable energy harvesting. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
9	Inertial Energy Harvesting for Wearables. , 2018, , .		2
10	Experiments on a wireless power transfer system for wearable device with sol-gel thin-film PZT. <i>Journal of Physics: Conference Series</i> , 2019, 1407, 012063.	0.4	2
11	Piezoelectric MEMS Energy Harvesters for Powering Sensor Systems. <i>Proceedings (mdpi)</i> , 2018, 2, 1103.	0.2	1