

Xianjie Pu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9483115/publications.pdf>

Version: 2024-02-01

20
papers

3,329
citations

430442

18
h-index

713013

21
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21
all docs

21
docs citations

21
times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Enabled Neck Motion Detection Using a Triboelectric Nanogenerator. ACS Nano, 2022, 16, 9359-9367.	7.3	39
2	Wearable triboelectric sensors for biomedical monitoring and human-machine interface. IScience, 2021, 24, 102027.	1.9	125
3	High performance floating self-excited sliding triboelectric nanogenerator for micro mechanical energy harvesting. Nature Communications, 2021, 12, 4689.	5.8	186
4	An inverting TENG to realize the AC mode based on the coupling of triboelectrification and air-breakdown. Energy and Environmental Science, 2021, 14, 5395-5405.	15.6	67
5	Magnetic Array Assisted Triboelectric Nanogenerator Sensor for Real-Time Gesture Interaction. Nano-Micro Letters, 2021, 13, 51.	14.4	82
6	Boosting output performance of sliding mode triboelectric nanogenerator by charge space-accumulation effect. Nature Communications, 2020, 11, 4277.	5.8	158
7	Direct Current Fabric Triboelectric Nanogenerator for Biomotion Energy Harvesting. ACS Nano, 2020, 14, 4585-4594.	7.3	170
8	Flexible triboelectric 3D touch pad with unit subdivision structure for effective XY positioning and pressure sensing. Nano Energy, 2020, 76, 105047.	8.2	69
9	High performance of filter capacitor based on nitrogen-doped carbon nanotube supercapacitor. Nanotechnology, 2020, 31, 495601.	1.3	4
10	Sunlight-triggerable Transient Energy Harvester and Sensors Based on Triboelectric Nanogenerator Using Acid-sensitive Poly(phthalaldehyde). Advanced Electronic Materials, 2019, 5, 1900725.	2.6	15
11	A flutter-effect-based triboelectric nanogenerator for breeze energy collection from arbitrary directions and self-powered wind speed sensor. Nano Research, 2019, 12, 3018-3023.	5.8	74
12	A strategy to promote efficiency and durability for sliding energy harvesting by designing alternating magnetic stripe arrays in triboelectric nanogenerator. Nano Energy, 2019, 66, 104087.	8.2	60
13	Integrated charge excitation triboelectric nanogenerator. Nature Communications, 2019, 10, 1426.	5.8	375
14	Hybridized nanogenerator based on honeycomb-like three electrodes for efficient ocean wave energy harvesting. Nano Energy, 2018, 47, 217-223.	8.2	89
15	Triboelectric nanogenerator based on magnetically induced retractable spring steel tapes for efficient energy harvesting of large amplitude motion. Nano Research, 2018, 11, 633-641.	5.8	25
16	Rotation sensing and gesture control of a robot joint via triboelectric quantization sensor. Nano Energy, 2018, 54, 453-460.	8.2	203
17	Screen-Printed Washable Electronic Textiles as Self-Powered Touch/Gesture Tribo-Sensors for Intelligent Human-Machine Interaction. ACS Nano, 2018, 12, 5190-5196.	7.3	386
18	A highly sensitive, self-powered triboelectric auditory sensor for social robotics and hearing aids. Science Robotics, 2018, 3, .	9.9	573

#	ARTICLE	IF	CITATIONS
19	Traditional weaving craft for one-piece self-charging power textile for wearable electronics. Nano Energy, 2018, 50, 536-543.	8.2	135
20	Eye motion triggered self-powered mechnosensational communication system using triboelectric nanogenerator. Science Advances, 2017, 3, e1700694.	4.7	491