

# 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  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2592  
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly sensitive, self-powered triboelectric auditory sensor for social robotics and hearing aids. <i>Science Robotics</i> , 2018, 3, .	9.9	573
2	Eye motion triggered self-powered mechnosensational communication system using triboelectric nanogenerator. <i>Science Advances</i> , 2017, 3, e1700694.	4.7	491
3	Screen-Printed Washable Electronic Textiles as Self-Powered Touch/Gesture Tribo-Sensors for Intelligent Human-Machine Interaction. <i>ACS Nano</i> , 2018, 12, 5190-5196.	7.3	386
4	Integrated charge excitation triboelectric nanogenerator. <i>Nature Communications</i> , 2019, 10, 1426.	5.8	375
5	Rotation sensing and gesture control of a robot joint via triboelectric quantization sensor. <i>Nano Energy</i> , 2018, 54, 453-460.	8.2	203
6	High performance floating self-excited sliding triboelectric nanogenerator for micro mechanical energy harvesting. <i>Nature Communications</i> , 2021, 12, 4689.	5.8	186
7	Direct Current Fabric Triboelectric Nanogenerator for Biomotion Energy Harvesting. <i>ACS Nano</i> , 2020, 14, 4585-4594.	7.3	170
8	Boosting output performance of sliding mode triboelectric nanogenerator by charge space-accumulation effect. <i>Nature Communications</i> , 2020, 11, 4277.	5.8	158
9	Traditional weaving craft for one-piece self-charging power textile for wearable electronics. <i>Nano Energy</i> , 2018, 50, 536-543.	8.2	135
10	Wearable triboelectric sensors for biomedical monitoring and human-machine interface. <i>IScience</i> , 2021, 24, 102027.	1.9	125
11	Hybridized nanogenerator based on honeycomb-like three electrodes for efficient ocean wave energy harvesting. <i>Nano Energy</i> , 2018, 47, 217-223.	8.2	89
12	Magnetic Array Assisted Triboelectric Nanogenerator Sensor for Real-Time Gesture Interaction. <i>Nano-Micro Letters</i> , 2021, 13, 51.	14.4	82
13	A flutter-effect-based triboelectric nanogenerator for breeze energy collection from arbitrary directions and self-powered wind speed sensor. <i>Nano Research</i> , 2019, 12, 3018-3023.	5.8	74
14	Flexible triboelectric 3D touch pad with unit subdivision structure for effective XY positioning and pressure sensing. <i>Nano Energy</i> , 2020, 76, 105047.	8.2	69
15	An inverting TENG to realize the AC mode based on the coupling of triboelectrification and air-breakdown. <i>Energy and Environmental Science</i> , 2021, 14, 5395-5405.	15.6	67
16	A strategy to promote efficiency and durability for sliding energy harvesting by designing alternating magnetic stripe arrays in triboelectric nanogenerator. <i>Nano Energy</i> , 2019, 66, 104087.	8.2	60
17	Deep Learning Enabled Neck Motion Detection Using a Triboelectric Nanogenerator. <i>ACS Nano</i> , 2022, 16, 9359-9367.	7.3	39
18	Triboelectric nanogenerator based on magnetically induced retractable spring steel tapes for efficient energy harvesting of large amplitude motion. <i>Nano Research</i> , 2018, 11, 633-641.	5.8	25

#	ARTICLE	IF	CITATIONS
19	Sunlight-triggerable Transient Energy Harvester and Sensors Based on Triboelectric Nanogenerator Using Acid-sensitive Poly(phthalaldehyde). <i>Advanced Electronic Materials</i> , 2019, 5, 1900725.	2.6	15
20	High performance of filter capacitor based on nitrogen-doped carbon nanotube supercapacitor. <i>Nanotechnology</i> , 2020, 31, 495601.	1.3	4