

Yina Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11141377/publications.pdf>

Version: 2024-02-01

36
papers

1,928
citations

279701

23
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	A Wrinkled PEDOT:PSS Film Based Stretchable and Transparent Triboelectric Nanogenerator for Wearable Energy Harvesters and Active Motion Sensors. <i>Advanced Functional Materials</i> , 2018, 28, 1803684.	7.8	286
2	Highly efficient self-healable and dual responsive hydrogel-based deformable triboelectric nanogenerators for wearable electronics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13948-13955.	5.2	163
3	Advances of RRAM Devices: Resistive Switching Mechanisms, Materials and Bionic Synaptic Application. <i>Nanomaterials</i> , 2020, 10, 1437.	1.9	157
4	Spiral Steel Wire-Based Fiber-Shaped Stretchable and Tailorable Triboelectric Nanogenerator for Wearable Power Source and Active Gesture Sensor. <i>Nano-Micro Letters</i> , 2019, 11, 39.	14.4	114
5	Triboelectric-Electromagnetic Hybrid Generator for Harvesting Blue Energy. <i>Nano-Micro Letters</i> , 2018, 10, 54.	14.4	92
6	Advances in Healthcare Electronics Enabled by Triboelectric Nanogenerators. <i>Advanced Functional Materials</i> , 2020, 30, 2004673.	7.8	88
7	Flexible Self-Powered Real-Time Ultraviolet Photodetector by Coupling Triboelectric and Photoelectric Effects. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19384-19392.	4.0	80
8	Flexible self-charging power units for portable electronics based on folded carbon paper. <i>Nano Research</i> , 2018, 11, 4313-4322.	5.8	78
9	Intermediate layer for enhanced triboelectric nanogenerator. <i>Nano Energy</i> , 2021, 79, 105439.	8.2	70
10	Atmospheric pressure difference driven triboelectric nanogenerator for efficiently harvesting ocean wave energy. <i>Nano Energy</i> , 2018, 54, 156-162.	8.2	65
11	Abrasion and Fracture Self-Healable Triboelectric Nanogenerator with Ultrahigh Stretchability and Long-Term Durability. <i>Advanced Functional Materials</i> , 2021, 31, 2105380.	7.8	65
12	Self-powered on-line ion concentration monitor in water transportation driven by triboelectric nanogenerator. <i>Nano Energy</i> , 2019, 62, 442-448.	8.2	63
13	Bio-Inspired Photoelectric Artificial Synapse based on Two-Dimensional $\text{Ti}_3\text{C}_2\text{T}_x$ MXenes Floating Gate. <i>Advanced Functional Materials</i> , 2021, 31, 2106000.	7.8	59
14	A liquid PEDOT:PSS electrode-based stretchable triboelectric nanogenerator for a portable self-charging power source. <i>Nanoscale</i> , 2019, 11, 7513-7519.	2.8	55
15	Blue Energy Collection toward All-Hours Self-Powered Chemical Energy Conversion. <i>Advanced Energy Materials</i> , 2020, 10, 2001041.	10.2	54
16	Self-driven photodetection based on impedance matching effect between a triboelectric nanogenerator and a MoS ₂ nanosheets photodetector. <i>Nano Energy</i> , 2019, 59, 492-499.	8.2	50
17	Interface Engineering for Efficient Raindrop Solar Cell. <i>ACS Nano</i> , 2022, 16, 5292-5302.	7.3	47
18	Toward self-powered photodetection enabled by triboelectric nanogenerators. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11893-11902.	2.7	45

#	ARTICLE	IF	CITATIONS
19	Hybridized Nanogenerators for Multifunctional Self-Powered Sensing: Principles, Prototypes, and Perspectives. IScience, 2020, 23, 101813.	1.9	37
20	Electron trapping & blocking effect enabled by MXene/TiO ₂ intermediate layer for charge regulation of triboelectric nanogenerators. Nano Energy, 2022, 98, 107236.	8.2	36
21	Hybrid Triboelectric Nanogenerators: From Energy Complementation to Integration. Research, 2021, 2021, 9143762.	2.8	32
22	Hybridized Mechanical and Solar Energy-Driven Self-Powered Hydrogen Production. Nano-Micro Letters, 2020, 12, 88.	14.4	31
23	A self-powered hydrogen leakage sensor based on impedance adjustable windmill-like triboelectric nanogenerator. Nano Energy, 2021, 89, 106453.	8.2	28
24	Self-Powered Active Spherical Triboelectric Sensor for Fluid Velocity Detection. IEEE Nanotechnology Magazine, 2020, 19, 230-235.	1.1	22
25	Artificial Synaptic Performance with Learning Behavior for Memristor Fabricated with Stacked Solution-Processed Switching Layers. ACS Applied Electronic Materials, 2021, 3, 1288-1300.	2.0	19
26	Characterization of weakly sharp solutions of a variational inequality by its primal gap function. Optimization Letters, 2016, 10, 563-576.	0.9	16
27	All-in-One Self-Powered Human-Machine Interaction System for Wireless Remote Telemetry and Control of Intelligent Cars. Nanomaterials, 2021, 11, 2711.	1.9	16
28	Emerging Optical In-Memory Computing Sensor Synapses Based on Low-Dimensional Nanomaterials for Neuromorphic Networks. Advanced Intelligent Systems, 2022, 4, .	3.3	13
29	Advanced artificial synaptic thin-film transistor based on doped potassium ions for neuromorphic computing via third-generation neural network. Journal of Materials Chemistry C, 2022, 10, 3196-3206.	2.7	12
30	Self-Powered Gyroscope Angle Sensor Based on Resistive Matching Effect of Triboelectric Nanogenerator. Advanced Materials Technologies, 2021, 6, 2100797.	3.0	9
31	Ecofriendly Solution-Combustion-Processed Thin-Film Transistors for Synaptic Emulation and Neuromorphic Computing. ACS Applied Materials & Interfaces, 2021, 13, 18961-18973.	4.0	8
32	Performance variation of solution-processed memristor induced by different top electrode. Solid-State Electronics, 2021, 186, 108132.	0.8	6
33	An Integrated Self-Powered Real-Time Pedometer System with Ultrafast Response and High Accuracy. ACS Applied Materials & Interfaces, 2021, 13, 61789-61798.	4.0	6
34	Weakly sharp solutions and finite convergence of algorithms for a variational inequality problem. Optimization, 2018, 67, 329-340.	1.0	3
35	Artificial synaptic behavior and its improvement of RRAM device with stacked solution-processed MXene layers. , 2021, , .		3
36	Long-Term Memory Performance with Learning Behavior of Artificial Synaptic Memristor Based on Stacked Solution-Processed Switching Layers. , 2021, , .		0