

# Li Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1988945/publications.pdf>

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27  
papers

2,020  
citations

236833

25  
h-index

526166

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27  
all docs

27  
docs citations

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times ranked

2279  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Flexible Fiber-Based Supercapacitor-Triboelectric Nanogenerator Power System for Wearable Electronics. <i>Advanced Materials</i> , 2015, 27, 4830-4836.	11.1	322
2	Silicon-based hybrid cell for harvesting solar energy and raindrop electrostatic energy. <i>Nano Energy</i> , 2014, 9, 291-300.	8.2	225
3	A Hybridized Power Panel to Simultaneously Generate Electricity from Sunlight, Raindrops, and Wind around the Clock. <i>Advanced Energy Materials</i> , 2015, 5, 1501152.	10.2	174
4	Automatic Mode Transition Enabled Robust Triboelectric Nanogenerators. <i>ACS Nano</i> , 2015, 9, 12334-12343.	7.3	111
5	Multifunctional Coaxial Energy Fiber toward Energy Harvesting, Storage, and Utilization. <i>ACS Nano</i> , 2021, 15, 1597-1607.	7.3	107
6	A Streaming Potential/Current-Based Microfluidic Direct Current Generator for Self-Powered Nanosystems. <i>Advanced Materials</i> , 2015, 27, 6482-6487.	11.1	104
7	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. <i>Advanced Functional Materials</i> , 2021, 31, 2006612.	7.8	96
8	Self-Powered Electrostatic Actuation Systems for Manipulating the Movement of both Microfluid and Solid Objects by Using Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2017, 27, 1606408.	7.8	90
9	Eco-friendly and recyclable all cellulose triboelectric nanogenerator and self-powered interactive interface. <i>Nano Energy</i> , 2021, 89, 106354.	8.2	84
10	Self-powered modulation of elastomeric optical grating by using triboelectric nanogenerator. <i>Nano Energy</i> , 2017, 38, 91-100.	8.2	80
11	Stretchable, transparent triboelectric nanogenerator as a highly sensitive self-powered sensor for driver fatigue and distraction monitoring. <i>Nano Energy</i> , 2020, 78, 105359.	8.2	66
12	Multilayered-Electrode-Based Triboelectric Nanogenerators with Managed Output Voltage and Multifold Enhanced Charge Transport. <i>Advanced Energy Materials</i> , 2015, 5, 1401452.	10.2	56
13	Self-driven photodetection based on impedance matching effect between a triboelectric nanogenerator and a MoS <sub>2</sub> nanosheets photodetector. <i>Nano Energy</i> , 2019, 59, 492-499.	8.2	50
14	Nestable arched triboelectric nanogenerator for large deflection biomechanical sensing and energy harvesting. <i>Nano Energy</i> , 2020, 69, 104417.	8.2	47
15	Inflammation-free and gas-permeable on-skin triboelectric nanogenerator using soluble nanofibers. <i>Nano Energy</i> , 2018, 51, 260-269.	8.2	46
16	Toward self-powered photodetection enabled by triboelectric nanogenerators. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11893-11902.	2.7	45
17	A flexible self-arched biosensor based on combination of piezoelectric and triboelectric effects. <i>Applied Materials Today</i> , 2020, 20, 100699.	2.3	45
18	Studying of contact electrification and electron transfer at liquid-liquid interface. <i>Nano Energy</i> , 2021, 87, 106191.	8.2	35

#	ARTICLE	IF	CITATIONS
19	Regulating the output performance of triboelectric nanogenerator by using P(VDF-TrFE) Langmuir monolayers. <i>Nano Energy</i> , 2019, 66, 104090.	8.2	34
20	Influence of external electric field on piezotronic effect in ZnO nanowires. <i>Nano Research</i> , 2015, 8, 2390-2399.	5.8	33
21	Triboelectric nanogenerator based self-powered sensor with a turnable sector structure for monitoring driving behavior. <i>Nano Energy</i> , 2021, 89, 106352.	8.2	33
22	Self-powered wind sensor based on triboelectric nanogenerator for detecting breeze vibration on electric transmission lines. <i>Nano Energy</i> , 2022, 99, 107412.	8.2	33
23	Dual-Stimulus Smart Actuator and Robot Hand Based on a Vapor-Responsive PDMS Film and Triboelectric Nanogenerator. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42504-42511.	4.0	31
24	Indoor air dust removal system based on high-voltage direct current triboelectric nanogenerator. <i>Nano Energy</i> , 2022, 97, 107183.	8.2	31
25	Anti-freezing and stretchable triboelectric nanogenerator based on liquid electrode for biomechanical sensing in extreme environment. <i>Nano Energy</i> , 2022, 96, 107067.	8.2	30
26	Self-driven real-time angle vector sensor as security dialer based on bi-directional backstop triboelectric nanogenerator. <i>Nano Energy</i> , 2022, 99, 107430.	8.2	10
27	Controlling single-photon transport properties with asymmetrical waveguide-whispering-gallery resonator couplings. <i>Journal of Modern Optics</i> , 2015, 62, 32-38.	0.6	2