

# Zhaozheng Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10118558/publications.pdf>

Version: 2024-02-01

14  
papers

549  
citations

840776

11  
h-index

1125743

13  
g-index

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all docs

14  
docs citations

14  
times ranked

349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triboelectric nanogenerators for human-health care. <i>Science Bulletin</i> , 2021, 66, 490-511.	9.0	93
2	TriboPump: A Low-Cost, Hand-Powered Water Disinfection System. <i>Advanced Energy Materials</i> , 2019, 9, 1901320.	19.5	74
3	Electrical analysis of triboelectric nanogenerator for high voltage applications exemplified by DBD microplasma. <i>Nano Energy</i> , 2019, 56, 482-493.	16.0	64
4	Achieving an ultrahigh direct-current voltage of 130 V by semiconductor heterojunction power generation based on the tribovoltaic effect. <i>Energy and Environmental Science</i> , 2022, 15, 2366-2373.	30.8	52
5	Semiconductor Contact-Electrification-Dominated Tribovoltaic Effect for Ultrahigh Power Generation. <i>Advanced Materials</i> , 2022, 34, e2200146.	21.0	52
6	Power Backpack for Energy Harvesting and Reduced Load Impact. <i>ACS Nano</i> , 2021, 15, 2611-2623.	14.6	49
7	Distributed mobile ultraviolet light sources driven by ambient mechanical stimuli. <i>Nano Energy</i> , 2020, 74, 104910.	16.0	43
8	Triboelectric nanogenerators for electro-assisted cell printing. <i>Nano Energy</i> , 2020, 67, 104150.	16.0	36
9	Friction-Dominated Carrier Excitation and Transport Mechanism for GaN-Based Direct-Current Triboelectric Nanogenerators. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24020-24027.	8.0	33
10	Energy from greenhouse plastic films. <i>Nano Energy</i> , 2021, 89, 106328.	16.0	21
11	Alternating Current Electroluminescent Device Powered by Triboelectric Nanogenerator with Capacitively Driven Circuit Strategy. <i>Advanced Functional Materials</i> , 2022, 32, 2106411.	14.9	16
12	Self-Powered and Autonomous Vibrational Wake-Up System Based on Triboelectric Nanogenerators and MEMS Switch. <i>Sensors</i> , 2022, 22, 3752.	3.8	11
13	An ultraweak mechanical stimuli actuated single electrode triboelectric nanogenerator with high energy conversion efficiency. <i>Nanoscale</i> , 2022, 14, 7906-7912.	5.6	3
14	Multisource Energy Harvester with Coupling Structure and Multiplexing Mechanism. <i>Advanced Materials Interfaces</i> , 0, , 2200468.	3.7	2