Linglin Zhou

List of Publications by Year
in descending order

17 papers	1,298 citations	516215 16 h-index	887659 17 g-index
17 all docs	17 docs citations	17 times ranked	707 citing authors

#	Article	IF	Citations
1	Triboelectric nanogenerators: Fundamental physics and potential applications. Friction, 2020, 8, 481-506.	3.4	224
2	Active resonance triboelectric nanogenerator for harvesting omnidirectional water-wave energy. Joule, 2021, 5, 1613-1623.	11.7	162
3	Selection rules of triboelectric materials for direct-current triboelectric nanogenerator. Nature Communications, 2021, 12, 4686.	5.8	154
4	Simultaneously Enhancing Power Density and Durability of Slidingâ€Mode Triboelectric Nanogenerator via Interface Liquid Lubrication. Advanced Energy Materials, 2020, 10, 2002920.	10.2	112
5	Structure and Dimension Effects on the Performance of Layered Triboelectric Nanogenerators in Contact-Separation Mode. ACS Nano, 2019, 13, 698-705.	7.3	100
6	A Motion Vector Sensor via Directâ€Current Triboelectric Nanogenerator. Advanced Functional Materials, 2020, 30, 2002547.	7.8	78
7	Improved Output Performance of Triboelectric Nanogenerator by Fast Accumulation Process of Surface Charges. Advanced Energy Materials, 2021, 11, 2100050.	10.2	67
8	Effective removing of hexavalent chromium from wasted water by triboelectric nanogenerator driven self-powered electrochemical system â€“ Why pulsed DC is better than continuous DC?. Nano Energy, 2019, 64, 103915.	8.2	62
9	A highly efficient constant-voltage triboelectric nanogenerator. Energy and Environmental Science, 2022, 15, 1334-1345.	15.6	62
10	Low-Cost, Environmentally Friendly, and High-Performance Triboelectric Nanogenerator Based on a Common Waste Material. ACS Applied Materials & Interfaces, 2021, 13, 30776-30784.	4.0	56
11	Longâ€Lifetime Triboelectric Nanogenerator Operated in Conjunction Modes and Low Crest Factor. Advanced Energy Materials, 2020, 10, 1903024.	10.2	53
12	Improving performance of triboelectric nanogenerators by dielectric enhancement effect. Matter, 2022, 5, 180-193.	5.0	53
13	Improving Degradation Efficiency of Organic Pollutants through a Self-Powered Alternating Current Electrocoagulation System. ACS Nano, 2021, 15, 19684-19691.	7.3	29
14	Recent Advances in Self-Powered Electrochemical Systems. Research, 2021, 2021, 4673028.	2.8	27
15	Improved Degradation Efficiency of Levofloxacin by a Self-Powered Electrochemical System with Pulsed Direct-Current. ACS Nano, 2021, 15, 5478-5485.	7.3	25
16	Carbon captured from vehicle exhaust by triboelectric particular filter as materials for energy storage. Nano Energy, 2019, 56, 792-798.	8.2	21
17	Triboelectric Nanogenerator with Low Crest Factor via Precise Phase Difference Design Realized by 3D Printing. Small Methods, 2021, 5, e2100936.	4.6	13