Xinyuan Li

List of Publications by Year
in descending order

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12 papers	909 citations	758635 12 h-index	1199166 12 g-index
12 all docs	12 docs citations	12 times ranked	676 citing authors

#	Article	IF	Citations
1	A constant current triboelectric nanogenerator arising from electrostatic breakdown. Science Advances, 2019, 5, eaav6437.	4.7	237
2	A Fully Self-Powered Vibration Monitoring System Driven by Dual-Mode Triboelectric Nanogenerators. ACS Nano, 2020, 14, 2475-2482.	7.3	154
3	Structure and Dimension Effects on the Performance of Layered Triboelectric Nanogenerators in Contact-Separation Mode. ACS Nano, 2019, 13, 698-705.	7.3	100
4	A Motion Vector Sensor via Directâ€Current Triboelectric Nanogenerator. Advanced Functional Materials, 2020, 30, 2002547.	7.8	78
5	Surface charge density of triboelectric nanogenerators: Theoretical boundary and optimization methodology. Applied Materials Today, 2020, 18, 100496.	2.3	64
6	A highly efficient constant-voltage triboelectric nanogenerator. Energy and Environmental Science, 2022, 15, 1334-1345.	15.6	62
7	Longâ€Lifetime Triboelectric Nanogenerator Operated in Conjunction Modes and Low Crest Factor. Advanced Energy Materials, 2020, 10, 1903024.	10.2	53
8	Hugely Enhanced Output Power of Directâ€Current Triboelectric Nanogenerators by Using Electrostatic Breakdown Effect. Advanced Materials Technologies, 2020, 5, 2000289.	3.0	49
9	A high humidity-resistive triboelectric nanogeneratorviacoupling of dielectric material selection and surface-charge engineering. Journal of Materials Chemistry A, 2021, 9, 21357-21365.	5.2	43
10	Hydrated ruthenium dioxides @ graphene based fiber supercapacitor for wearable electronics. Journal of Power Sources, 2019, 440, 227143.	4.0	35
11	Carbon captured from vehicle exhaust by triboelectric particular filter as materials for energy storage. Nano Energy, 2019, 56, 792-798.	8.2	21
12	Triboelectric Nanogenerator with Low Crest Factor via Precise Phase Difference Design Realized by 3D Printing. Small Methods, 2021, 5, e2100936.	4.6	13