

Xinyuan Li

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

909
citations

758635

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1199166

12
g-index

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12
docs citations

12
times ranked

676
citing authors

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