Qijie Liang

List of Publications by Year
in descending order

42 papers	3,972 citations	172207 29 h-index	276539 41 g-index
42 all docs	42 docs citations	42 times ranked	5923 citing authors

#	Article	IF	Citations
1	Î±-Fe2O3/Reduced Graphene Oxide Composites as Cost-Effective Counter Electrode for Dye-Sensitized Solar Cells. Catalysts, 2022, 12, 645.	1.6	3
2	Carbon-Coatings Improve Performance of Li-Ion Battery. Nanomaterials, 2022, 12, 1936.	1.9	16
3	Pentagonal 2D Transition Metal Dichalcogenides: PdSe₂ and Beyond. Advanced Functional Materials, 2022, 32, .	7.8	16
4	Shadow enhanced self-charging power system for wave and solar energy harvesting from the ocean. Nature Communications, 2021, 12, 616.	5.8	69
5	Emerging Technologies for Green Energy Conversion and Storage. Advanced Sustainable Systems, 2021, 5, 2000152.	2.7	17
6	All in One, Selfâ€Powered Bionic Artificial Nerve Based on a Triboelectric Nanogenerator. Advanced Science, 2021, 8, 2004727.	5.6	26
7	Observation of Anisotropic Magnetoresistance in Layered Nonmagnetic Semiconducting PdSe₂. ACS Applied Materials & Interfaces, 2021, 13, 37527-37534.	4.0	9
8	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. Journal of Physical Chemistry Letters, 2021, 12, 7752-7760.	2.1	28
9	Advanced materials and devices for medical applications. APL Materials, 2021, 9, .	2.2	0
10	Defect Engineering of Two-Dimensional Transition-Metal Dichalcogenides: Applications, Challenges, and Opportunities. ACS Nano, 2021, 15, 2165-2181.	7.3	217
11	Optoelectronic Properties of a van der Waals WS₂ Monolayer/2D Perovskite Vertical Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 45235-45242.	4.0	49
12	Oxygen-induced controllable p-type doping in 2D semiconductor transition metal dichalcogenides. Nano Research, 2020, 13, 3439-3444.	5.8	47
13	Water-soluble energy harvester as a promising power solution for temporary electronic implants. APL Materials, 2020, 8, .	2.2	13
14	Exchange Bias in van der Waals CrCl₃/Fe₃GeTe₂ Heterostructures. Nano Letters, 2020, 20, 5030-5035.	4.5	78
15	Performance Improvement by Ozone Treatment of 2D PdSe₂. ACS Nano, 2020, 14, 5668-5677.	7.3	54
16	Energy harvesting from shadow-effect. Energy and Environmental Science, 2020, 13, 2404-2413.	15.6	29
17	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. Nano Letters, 2019, 19, 5595-5603.	4.5	41
18	Highâ€Performance, Room Temperature, Ultraâ€Broadband Photodetectors Based on Airâ€Stable PdSe₂. Advanced Materials, 2019, 31, e1807609.	11.1	223

#	Article	IF	Citations
19	Green hybrid power system based on triboelectric nanogenerator for wearable/portable electronics. Nano Energy, 2019, 55, 151-163.	8.2	129
20	Electromagnetic Shielding Hybrid Nanogenerator for Health Monitoring and Protection. Advanced Functional Materials, 2018, 28, 1703801.	7.8	178
21	An Amphiphobic Hydraulic Triboelectric Nanogenerator for a Selfâ€Cleaning and Selfâ€Charging Power System. Advanced Functional Materials, 2018, 28, 1803117.	7.8	94
22	Flexible, Cuttable, and Self-Waterproof Bending Strain Sensors Using Microcracked Gold Nanofilms@Paper Substrate. ACS Applied Materials & Interfaces, 2017, 9, 4151-4158.	4.0	107
23	Service Behavior of Multifunctional Triboelectric Nanogenerators. Advanced Materials, 2017, 29, 1606703.	11.1	106
24	Recyclable and Green Triboelectric Nanogenerator. Advanced Materials, 2017, 29, 1604961.	11.1	141
25	A Highly Stretchable ZnO@Fiberâ€Based Multifunctional Nanosensor for Strain/Temperature/UV Detection. Advanced Functional Materials, 2016, 26, 3074-3081.	7.8	239
26	Band alignment engineering for improved performance and stability of ZnFe2O4 modified CdS/ZnO nanostructured photoanode for PEC water splitting. Nano Energy, 2016, 24, 25-31.	8.2	196
27	Integrated multi-unit transparent triboelectric nanogenerator harvesting rain power for driving electronics. Nano Energy, 2016, 25, 18-25.	8.2	91
28	Flexible and printable paper-based strain sensors for wearable and large-area green electronics. Nanoscale, 2016, 8, 13025-13032.	2.8	154
29	The enhanced performance of piezoelectric nanogenerator via suppressing screening effect with Au particles/ZnO nanoarrays Schottky junction. Nano Research, 2016, 9, 372-379.	5.8	60
30	Novel Piezoelectric Paperâ€Based Flexible Nanogenerators Composed of BaTiO₃ Nanoparticles and Bacterial Cellulose. Advanced Science, 2016, 3, 1500257.	5.6	152
31	Temperature-dependent electrochemical capacitive performance of the Î±-Fe2O3 hollow nanoshuttles as supercapacitor electrodes. Journal of Colloid and Interface Science, 2016, 466, 291-296.	5.0	94
32	Integrated active sensor system for real time vibration monitoring. Scientific Reports, 2015, 5, 16063.	1.6	23
33	Selfâ€Recovering Triboelectric Nanogenerator as Active Multifunctional Sensors. Advanced Functional Materials, 2015, 25, 6489-6494.	7.8	63
34	Au-Embedded ZnO/NiO Hybrid with Excellent Electrochemical Performance as Advanced Electrode Materials for Supercapacitor. ACS Applied Materials & Interfaces, 2015, 7, 2480-2485.	4.0	114
35	Influence of the carrier concentration on the piezotronic effect in a ZnO/Au Schottky junction. Nanoscale, 2015, 7, 4461-4467.	2.8	27
36	Flexible and Highly Sensitive Strain Sensors Fabricated by Pencil Drawn for Wearable Monitor. Advanced Functional Materials, 2015, 25, 2395-2401.	7.8	439

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37	Multi-unit hydroelectric generator based on contact electrification and its service behavior. Nano Energy, 2015, 16, 329-338.	8.2	39
38	Highly transparent triboelectric nanogenerator for harvesting water-related energy reinforced by antireflection coating. Scientific Reports, 2015, 5, 9080.	1.6	165
39	High output piezoelectric nanocomposite generators composed of oriented BaTiO3 NPs@PVDF. Nano Energy, 2015, 11, 719-727.	8.2	237
40	Influence of piezoelectric effect on dissolving behavior and stability of ZnO micro/nanowires in solution. RSC Advances, 2015, 5, 3365-3369.	1.7	8
41	Functional triboelectric generator as self-powered vibration sensor with contact mode and non-contact mode. Nano Energy, 2015, 14, 209-216.	8.2	76
42	Piezotronic Interface Engineering on ZnO/Au-Based Schottky Junction for Enhanced Photoresponse of a Flexible Self-Powered UV Detector. ACS Applied Materials & Interfaces, 2014, 6, 14116-14122.	4.0	105