

# Qijie Liang

## List of Publications by Year in descending order

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42  
papers

3,972  
citations

172457

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276875

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docs citations

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times ranked

5923  
citing authors

#	ARTICLE	IF	CITATIONS
1	$\text{I}^{\pm}\text{-Fe}_2\text{O}_3/\text{Reduced Graphene Oxide Composites}$ as Cost-Effective Counter Electrode for Dye-Sensitized Solar Cells. <i>Catalysts</i> , 2022, 12, 645.	3.5	3
2	Carbon-Coatings Improve Performance of Li-Ion Battery. <i>Nanomaterials</i> , 2022, 12, 1936.	4.1	16
3	Pentagonal 2D Transition Metal Dichalcogenides: $\text{PdSe}_2$ and Beyond. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	16
4	Shadow enhanced self-charging power system for wave and solar energy harvesting from the ocean. <i>Nature Communications</i> , 2021, 12, 616.	12.8	69
5	Emerging Technologies for Green Energy Conversion and Storage. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000152.	5.3	17
6	All in One, Self-Powered Bionic Artificial Nerve Based on a Triboelectric Nanogenerator. <i>Advanced Science</i> , 2021, 8, 2004727.	11.2	26
7	Observation of Anisotropic Magnetoresistance in Layered Nonmagnetic Semiconducting $\text{PdSe}_2$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37527-37534.	8.0	9
8	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7752-7760.	4.6	28
9	Advanced materials and devices for medical applications. <i>APL Materials</i> , 2021, 9, .	5.1	0
10	Defect Engineering of Two-Dimensional Transition-Metal Dichalcogenides: Applications, Challenges, and Opportunities. <i>ACS Nano</i> , 2021, 15, 2165-2181.	14.6	217
11	Optoelectronic Properties of a van der Waals $\text{WS}_2$ Monolayer/2D Perovskite Vertical Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45235-45242.	8.0	49
12	Oxygen-induced controllable p-type doping in 2D semiconductor transition metal dichalcogenides. <i>Nano Research</i> , 2020, 13, 3439-3444.	10.4	47
13	Water-soluble energy harvester as a promising power solution for temporary electronic implants. <i>APL Materials</i> , 2020, 8, .	5.1	13
14	Exchange Bias in van der Waals $\text{CrCl}_3/\text{Fe}_3\text{GeTe}_2$ Heterostructures. <i>Nano Letters</i> , 2020, 20, 5030-5035.	9.1	78
15	Performance Improvement by Ozone Treatment of 2D $\text{PdSe}_2$ . <i>ACS Nano</i> , 2020, 14, 5668-5677.	14.6	54
16	Energy harvesting from shadow-effect. <i>Energy and Environmental Science</i> , 2020, 13, 2404-2413.	30.8	29
17	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019, 19, 5595-5603.	9.1	41
18	High-Performance, Room Temperature, Ultra-Broadband Photodetectors Based on Air-Stable $\text{PdSe}_2$ . <i>Advanced Materials</i> , 2019, 31, e1807609.	21.0	223

#	ARTICLE	IF	CITATIONS
19	Green hybrid power system based on triboelectric nanogenerator for wearable/portable electronics. <i>Nano Energy</i> , 2019, 55, 151-163.	16.0	129
20	Electromagnetic Shielding Hybrid Nanogenerator for Health Monitoring and Protection. <i>Advanced Functional Materials</i> , 2018, 28, 1703801.	14.9	178
21	An Amphiphobic Hydraulic Triboelectric Nanogenerator for a Self-Cleaning and Self-Charging Power System. <i>Advanced Functional Materials</i> , 2018, 28, 1803117.	14.9	94
22	Flexible, Cuttable, and Self-Waterproof Bending Strain Sensors Using Microcracked Gold Nanofilms@Paper Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4151-4158.	8.0	107
23	Service Behavior of Multifunctional Triboelectric Nanogenerators. <i>Advanced Materials</i> , 2017, 29, 1606703.	21.0	106
24	Recyclable and Green Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2017, 29, 1604961.	21.0	141
25	A Highly Stretchable ZnO@Fiber-Based Multifunctional Nanosensor for Strain/Temperature/UV Detection. <i>Advanced Functional Materials</i> , 2016, 26, 3074-3081.	14.9	239
26	Band alignment engineering for improved performance and stability of ZnFe <sub>2</sub> O <sub>4</sub> modified CdS/ZnO nanostructured photoanode for PEC water splitting. <i>Nano Energy</i> , 2016, 24, 25-31.	16.0	196
27	Integrated multi-unit transparent triboelectric nanogenerator harvesting rain power for driving electronics. <i>Nano Energy</i> , 2016, 25, 18-25.	16.0	91
28	Flexible and printable paper-based strain sensors for wearable and large-area green electronics. <i>Nanoscale</i> , 2016, 8, 13025-13032.	5.6	154
29	The enhanced performance of piezoelectric nanogenerator via suppressing screening effect with Au particles/ZnO nanoarrays Schottky junction. <i>Nano Research</i> , 2016, 9, 372-379.	10.4	60
30	Novel Piezoelectric Paper-Based Flexible Nanogenerators Composed of BaTiO <sub>3</sub> Nanoparticles and Bacterial Cellulose. <i>Advanced Science</i> , 2016, 3, 1500257.	11.2	152
31	Temperature-dependent electrochemical capacitive performance of the $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> hollow nanoshuttles as supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 291-296.	9.4	94
32	Integrated active sensor system for real time vibration monitoring. <i>Scientific Reports</i> , 2015, 5, 16063.	3.3	23
33	Self-Recovering Triboelectric Nanogenerator as Active Multifunctional Sensors. <i>Advanced Functional Materials</i> , 2015, 25, 6489-6494.	14.9	63
34	Au-Embedded ZnO/NiO Hybrid with Excellent Electrochemical Performance as Advanced Electrode Materials for Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2480-2485.	8.0	114
35	Influence of the carrier concentration on the piezotronic effect in a ZnO/Au Schottky junction. <i>Nanoscale</i> , 2015, 7, 4461-4467.	5.6	27
36	Flexible and Highly Sensitive Strain Sensors Fabricated by Pencil Drawn for Wearable Monitor. <i>Advanced Functional Materials</i> , 2015, 25, 2395-2401.	14.9	439

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37	Multi-unit hydroelectric generator based on contact electrification and its service behavior. <i>Nano Energy</i> , 2015, 16, 329-338.	16.0	39
38	Highly transparent triboelectric nanogenerator for harvesting water-related energy reinforced by antireflection coating. <i>Scientific Reports</i> , 2015, 5, 9080.	3.3	165
39	High output piezoelectric nanocomposite generators composed of oriented BaTiO <sub>3</sub> NPs@PVDF. <i>Nano Energy</i> , 2015, 11, 719-727.	16.0	237
40	Influence of piezoelectric effect on dissolving behavior and stability of ZnO micro/nanowires in solution. <i>RSC Advances</i> , 2015, 5, 3365-3369.	3.6	8
41	Functional triboelectric generator as self-powered vibration sensor with contact mode and non-contact mode. <i>Nano Energy</i> , 2015, 14, 209-216.	16.0	76
42	Piezotronic Interface Engineering on ZnO/Au-Based Schottky Junction for Enhanced Photoresponse of a Flexible Self-Powered UV Detector. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14116-14122.	8.0	105