

# Qijie Liang

## List of Publications by Year in descending order

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42  
papers

3,972  
citations

172207

29  
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276539

41  
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42  
docs citations

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times ranked

5923  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and Highly Sensitive Strain Sensors Fabricated by Pencil Drawn for Wearable Monitor. <i>Advanced Functional Materials</i> , 2015, 25, 2395-2401.	7.8	439
2	A Highly Stretchable ZnO@Fiber-Based Multifunctional Nanosensor for Strain/Temperature/UV Detection. <i>Advanced Functional Materials</i> , 2016, 26, 3074-3081.	7.8	239
3	High output piezoelectric nanocomposite generators composed of oriented BaTiO <sub>3</sub> NPs@PVDF. <i>Nano Energy</i> , 2015, 11, 719-727.	8.2	237
4	High-Performance, Room Temperature, Ultra-Broadband Photodetectors Based on Air-Stable PdSe <sub>2</sub> . <i>Advanced Materials</i> , 2019, 31, e1807609.	11.1	223
5	Defect Engineering of Two-Dimensional Transition-Metal Dichalcogenides: Applications, Challenges, and Opportunities. <i>ACS Nano</i> , 2021, 15, 2165-2181.	7.3	217
6	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.	8.2	196
7	Electromagnetic Shielding Hybrid Nanogenerator for Health Monitoring and Protection. <i>Advanced Functional Materials</i> , 2018, 28, 1703801.	7.8	178
8	Highly transparent triboelectric nanogenerator for harvesting water-related energy reinforced by antireflection coating. <i>Scientific Reports</i> , 2015, 5, 9080.	1.6	165
9	Flexible and printable paper-based strain sensors for wearable and large-area green electronics. <i>Nanoscale</i> , 2016, 8, 13025-13032.	2.8	154
10	Novel Piezoelectric Paper-Based Flexible Nanogenerators Composed of BaTiO <sub>3</sub> Nanoparticles and Bacterial Cellulose. <i>Advanced Science</i> , 2016, 3, 1500257.	5.6	152
11	Recyclable and Green Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2017, 29, 1604961.	11.1	141
12	Green hybrid power system based on triboelectric nanogenerator for wearable/portable electronics. <i>Nano Energy</i> , 2019, 55, 151-163.	8.2	129
13	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.	4.0	114
14	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.	4.0	107
15	Service Behavior of Multifunctional Triboelectric Nanogenerators. <i>Advanced Materials</i> , 2017, 29, 1606703.	11.1	106
16	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.	4.0	105
17	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.	5.0	94
18	An Amphiphobic Hydraulic Triboelectric Nanogenerator for a Self-Cleaning and Self-Charging Power System. <i>Advanced Functional Materials</i> , 2018, 28, 1803117.	7.8	94

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19	Integrated multi-unit transparent triboelectric nanogenerator harvesting rain power for driving electronics. <i>Nano Energy</i> , 2016, 25, 18-25.	8.2	91
20	Exchange Bias in van der Waals CrCl <sub>3</sub> /Fe <sub>3</sub> GeTe <sub>2</sub> Heterostructures. <i>Nano Letters</i> , 2020, 20, 5030-5035.	4.5	78
21	Functional triboelectric generator as self-powered vibration sensor with contact mode and non-contact mode. <i>Nano Energy</i> , 2015, 14, 209-216.	8.2	76
22	Shadow enhanced self-charging power system for wave and solar energy harvesting from the ocean. <i>Nature Communications</i> , 2021, 12, 616.	5.8	69
23	Self-Recovering Triboelectric Nanogenerator as Active Multifunctional Sensors. <i>Advanced Functional Materials</i> , 2015, 25, 6489-6494.	7.8	63
24	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.	5.8	60
25	Performance Improvement by Ozone Treatment of 2D PdSe <sub>2</sub> . <i>ACS Nano</i> , 2020, 14, 5668-5677.	7.3	54
26	Optoelectronic Properties of a van der Waals WS <sub>2</sub> Monolayer/2D Perovskite Vertical Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45235-45242.	4.0	49
27	Oxygen-induced controllable p-type doping in 2D semiconductor transition metal dichalcogenides. <i>Nano Research</i> , 2020, 13, 3439-3444.	5.8	47
28	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019, 19, 5595-5603.	4.5	41
29	Multi-unit hydroelectric generator based on contact electrification and its service behavior. <i>Nano Energy</i> , 2015, 16, 329-338.	8.2	39
30	Energy harvesting from shadow-effect. <i>Energy and Environmental Science</i> , 2020, 13, 2404-2413.	15.6	29
31	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7752-7760.	2.1	28
32	Influence of the carrier concentration on the piezotronic effect in a ZnO/Au Schottky junction. <i>Nanoscale</i> , 2015, 7, 4461-4467.	2.8	27
33	All in One, Self-Powered Bionic Artificial Nerve Based on a Triboelectric Nanogenerator. <i>Advanced Science</i> , 2021, 8, 2004727.	5.6	26
34	Integrated active sensor system for real time vibration monitoring. <i>Scientific Reports</i> , 2015, 5, 16063.	1.6	23
35	Emerging Technologies for Green Energy Conversion and Storage. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000152.	2.7	17
36	Carbon-Coatings Improve Performance of Li-Ion Battery. <i>Nanomaterials</i> , 2022, 12, 1936.	1.9	16

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37	Pentagonal 2D Transition Metal Dichalcogenides: PdSe <sub>2</sub> and Beyond. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
38	Water-soluble energy harvester as a promising power solution for temporary electronic implants. <i>APL Materials</i> , 2020, 8, .	2.2	13
39	Observation of Anisotropic Magnetoresistance in Layered Nonmagnetic Semiconducting PdSe <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37527-37534.	4.0	9
40	Influence of piezoelectric effect on dissolving behavior and stability of ZnO micro/nanowires in solution. <i>RSC Advances</i> , 2015, 5, 3365-3369.	1.7	8
41	Î±-Fe <sub>2</sub> O <sub>3</sub> /Reduced Graphene Oxide Composites as Cost-Effective Counter Electrode for Dye-Sensitized Solar Cells. <i>Catalysts</i> , 2022, 12, 645.	1.6	3
42	Advanced materials and devices for medical applications. <i>APL Materials</i> , 2021, 9, .	2.2	0