

# Junqi Li

## List of Publications by Year in descending order

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80  
papers

1,899  
citations

218677

26  
h-index

315739

38  
g-index

81  
all docs

81  
docs citations

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times ranked

2531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Crystallinity and Defects of Layered Carbon Materials on Potassium Storage: A Review and Prediction. <i>Electrochemical Energy Reviews</i> , 2022, 5, 401-433.	25.5	65
2	Tunable oxygen deficient in $\text{MoO}_3$ / $\text{MoO}_2$ heterostructure for enhanced lithium storage properties. <i>International Journal of Energy Research</i> , 2022, 46, 5789-5799.	4.5	9
3	Removal performance and dissolved organic matter biodegradation characteristics in advection ecological permeable dam reactor. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-12.	2.2	2
4	Using machine learning to screen non-graphite carbon materials based on Na-ion storage properties. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8031-8046.	10.3	19
5	Thinking Critically through Key Issues in Improving the Effectiveness of Waterlogging Prevention and Control System in China's Historic Districts. <i>Sustainability</i> , 2022, 14, 2913.	3.2	4
6	g-C <sub>3</sub> N <sub>4</sub> -modulated bifunctional SnO <sub>2</sub> @g-C <sub>3</sub> N <sub>4</sub> @SnS <sub>2</sub> hollow nanospheres for efficient electrochemical overall water splitting. <i>Applied Surface Science</i> , 2022, 589, 153016.	6.1	17
7	Ni and CeO <sub>2</sub> Nanoparticles Anchored on Cicada-Wing-like Nitrogen-Doped Porous Carbon as Bifunctional Catalysts for Water Splitting. <i>ACS Applied Nano Materials</i> , 2022, 5, 1252-1262.	5.0	9
8	Coal gangue modified bioretention system for runoff pollutants removal and the biological characteristics. <i>Journal of Environmental Management</i> , 2022, 314, 115044.	7.8	6
9	Double functionalization of $\text{Mo}_2\text{C}$ and $\text{NiMn-LDH}$ assembling $\text{g-C}_3\text{N}_4$ as efficient bifunctional electrocatalysts for selective electrocatalytic reactions and overall water splitting. <i>International Journal of Energy Research</i> , 2022, 46, 12406-12416.	4.5	9
10	Controlling the D-band for improved oxygen evolution performance in Ni modulated ultrafine Co nanoparticles embedded in Nitrogen-doped carbon microspheres. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 44-53.	9.4	4
11	The Response of Runoff Pollution Control to Initial Runoff Volume Capture in Sponge City Construction Using SWMM. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5617.	2.5	7
12	Strong electron affinity PDI supramolecules form anion radicals for the degradation of organic pollutants via direct electrophilic attack. <i>Catalysis Science and Technology</i> , 2021, 11, 1899-1913.	4.1	7
13	Facile preparation of EDTA-functionalized magnetic chitosan for removal of co(II) from aqueous solutions. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1313-1325.	2.2	6
14	Characteristics of colloids and their affinity for heavy metals in road runoff with different traffic in Beijing, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 20082-20092.	5.3	8
15	Transferable Active Centers of Strongly Coupled $\text{MoS}_2$ @Sulfur and Molybdenum Co-doped $\text{g-C}_3\text{N}_4$ Heterostructure Electrocatalysts for Boosting Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>Inorganic Chemistry</i> , 2021, 60, 2604-2613.	4.0	22
16	The relationship between typical heavy metal content and physiological indexes of shrubs in bioretention facilities. <i>Hydrology Research</i> , 2021, 52, 1132-1142.	2.7	2
17	Tuning electronic structure of CoNi LDHs via surface Fe doping for achieving effective oxygen evolution reaction. <i>Applied Surface Science</i> , 2021, 565, 150506.	6.1	35
18	Defective TiO <sub>2</sub> -graphene heterostructures enabling in-situ electrocatalyst evolution for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021, 62, 508-515.	12.9	63

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19	Biocatalyst and colorimetric biosensor of carcinoembryonic antigen constructed via chicken egg white-copper phosphate organic/inorganic hybrid nanoflowers. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 50-59.	9.4	20
20	Hemoglobin-Mn <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> hybrid nanoflower with opulent electroactive centers for high-performance hydrogen peroxide electrochemical biosensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127628.	7.8	37
21	Facile fabrication of magnetic phosphorylated chitosan for the removal of Co(II) in water treatment: separation properties and adsorption mechanisms. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2588-2598.	5.3	11
22	Facile Preparation of h <sub>2</sub> O <sub>2</sub> /Carbon Cloth Nanocomposite and Its Electrochemical Properties for Supercapacitors. <i>ChemistrySelect</i> , 2020, 5, 7704-7713.	1.5	5
23	Factors affecting the ability of extensive green roofs to reduce nutrient pollutants in rainfall runoff. <i>Science of the Total Environment</i> , 2020, 732, 139248.	8.0	23
24	Sulfur and molybdenum Co-doped graphitic carbon nitride as a superior water dissociation electrocatalyst for alkaline hydrogen evolution reaction. <i>Ceramics International</i> , 2020, 46, 14178-14187.	4.8	20
25	Controlled synthesis and fine-tuned interface of NiS nanoparticles/Bi <sub>2</sub> WO <sub>6</sub> nanosheets heterogeneous as electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2020, 526, 146718.	6.1	16
26	Mixed-phase BiVO <sub>4</sub> nanosheet achieving enhanced photoelectrocatalytic performance. <i>Micro and Nano Letters</i> , 2020, 15, 586-589.	1.3	2
27	Antimicrobial Activity of Zinc Oxide-Graphene Quantum Dot Nanocomposites: Enhanced Adsorption on Bacterial Cells by Cationic Capping Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16264-16273.	6.7	59
28	Controlling the Chemical Bonding of Highly Dispersed Co Atoms Anchored on an Ultrathin g-C <sub>3</sub> N <sub>4</sub> @Carbon Sphere for Enhanced Electrocatalytic Activity of the Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2019, 58, 10802-10811.	4.0	27
29	Enhanced Electrocatalytic Performance through Body Enrichment of Co-Based Bimetallic Nanoparticles In Situ Embedded Porous N-Doped Carbon Spheres. <i>Small</i> , 2019, 15, e1903395.	10.0	70
30	A nitrogen-rich BiVO <sub>4</sub> nanosheet photoanode for photoelectrochemical water oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19984-19993.	2.2	4
31	Fabrication of p-NiO nanoparticles/n-TiO <sub>2</sub> nanospheres photocatalysts and their photocatalytic performance for degradation of Rh B. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	7
32	Performance assessment of extensive green roof runoff flow and quality control capacity based on pilot experiments. <i>Science of the Total Environment</i> , 2019, 687, 505-515.	8.0	67
33	Effectiveness Analysis of Systematic Combined Sewer Overflow Control Schemes in the Sponge City Pilot Area of Beijing. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1503.	2.6	13
34	NiFeOx nanosheets tight-coupled with Bi <sub>2</sub> WO <sub>6</sub> nanosheets to improve the electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2019, 478, 969-980.	6.1	17
35	The Effects of Rainfall Runoff Pollutants on Plant Physiology in a Bioretention System Based on Pilot Experiments. <i>Sustainability</i> , 2019, 11, 6402.	3.2	10
36	Morphological evolution and enhanced photoelectrochemical performance of V <sup>4+</sup> self-doped, [010] oriented BiVO <sub>4</sub> for water splitting. <i>Journal of Alloys and Compounds</i> , 2019, 771, 914-923.	5.5	21

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37	Construction of Ti <sup>3+</sup> self-doped TiO <sub>2</sub> /BCN heterojunction with enhanced photoelectrochemical performance for water splitting. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2006-2015.	2.2	5
38	Stable single-atom cobalt as a strong coupling bridge to promote electron transfer and separation in photoelectrocatalysis. <i>Journal of Catalysis</i> , 2019, 370, 176-185.	6.2	46
39	Flower-like Bi <sub>2</sub> WO <sub>6</sub> with oxygen vacancies achieving enhanced photoelectrocatalytic performance. <i>Materials Letters</i> , 2018, 223, 93-96.	2.6	16
40	Enhancing the photoelectrochemical performance of BiVO <sub>4</sub> by decorating only its (040) facet with self-assembled Ag@AgCl QDs. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2425-2434.	2.5	8
41	Influence of Rainfall, Model Parameters and Routing Methods on Stormwater Modelling. <i>Water Resources Management</i> , 2018, 32, 735-750.	3.9	20
42	Influences of Weather Conditions and Daily Repeated Upstream Releases on Temperature Distributions in a River-Reservoir System. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 04017055.	1.9	0
43	Constructing h-BN/Bi <sub>2</sub> WO <sub>6</sub> Quantum Dot Hybrid with Fast Charge Separation and Enhanced Photoelectrochemical Performance by using h-BN for Hole Transfer. <i>ChemElectroChem</i> , 2018, 5, 300-308.	3.4	21
44	Evaluating the Road-Bioretention Strip System from a Hydraulic Perspective—Case Studies. <i>Water (Switzerland)</i> , 2018, 10, 1778.	2.7	8
45	Factors Affecting Runoff Retention Performance of Extensive Green Roofs. <i>Water (Switzerland)</i> , 2018, 10, 1217.	2.7	28
46	Estimating Time of Concentration for Overland Flow on Pervious Surfaces by Particle Tracking Method. <i>Water (Switzerland)</i> , 2018, 10, 379.	2.7	13
47	Defective Bi <sub>2</sub> WO <sub>6</sub> -Supported Cu Nanoparticles as Efficient and Stable Photoelectrocatalytic for Water Splitting in Near-Neutral Media. <i>Energy Technology</i> , 2018, 6, 2247-2255.	3.8	16
48	Enhanced visible-light activity of Ti <sup>3+</sup> self-doped TiO <sub>2</sub> with co-exposed {001} and {101} facets. <i>Micro and Nano Letters</i> , 2018, 13, 514-517.	1.3	10
49	Biocatalyst and Colorimetric/Fluorescent Dual Biosensors of H <sub>2</sub> O <sub>2</sub> Constructed via Hemoglobin@Cu <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> Organic/Inorganic Hybrid Nanoflowers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30441-30450.	8.0	52
50	A series of BCN nanosheets with enhanced photoelectrochemical performances. <i>Chemical Physics Letters</i> , 2017, 672, 99-104.	2.6	25
51	Exposed specific (040) and (110) facets of BiVO <sub>4</sub> modified with Bi <sub>2</sub> WO <sub>6</sub> nanoparticles for enhanced photocatalytic performance. <i>New Journal of Chemistry</i> , 2017, 41, 6922-6927.	2.8	23
52	Metallic Bi Nanocrystal-Modified Defective BiVO <sub>4</sub> Photoanodes with Exposed (040) Facets for Photoelectrochemical Water Splitting. <i>ChemElectroChem</i> , 2017, 4, 2852-2861.	3.4	39
53	Zero increase in peak discharge for sustainable development. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	6
54	Influence of Rainfall Characteristics on Total Suspended Solids in Urban Runoff: A Case Study in Beijing, China. <i>Water (Switzerland)</i> , 2016, 8, 278.	2.7	40

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55	g-C <sub>3</sub> N <sub>4</sub> modified flower-like WO <sub>3</sub> –Bi <sub>2</sub> WO <sub>6</sub> microspheres with enhanced photoelectrocatalytic activity. <i>New Journal of Chemistry</i> , 2016, 40, 9638-9647.	2.8	33
56	One-step in situ fabrication of silver-modified Cu <sub>2</sub> O crystals with enhanced visible photocatalytic activity. <i>Micro and Nano Letters</i> , 2016, 11, 363-365.	1.3	12
57	Photoelectrochemical performance of g-C <sub>3</sub> N <sub>4</sub> /Au/BiPO <sub>4</sub> Z-scheme composites to improve the mineralization property under solar light. <i>RSC Advances</i> , 2016, 6, 70563-70572.	3.6	32
58	Perpendicular growth of few-layered MoS <sub>2</sub> nanosheets on MoO <sub>3</sub> nanowires fabricated by direct anion exchange reactions for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17764-17772.	10.3	64
59	Case Studies of the Sponge City Program in China. , 2016, , .		32
60	A novel fabrication of Cu <sub>2</sub> O@Cu <sub>7</sub> S <sub>4</sub> core-shell micro/nanocrystals from Cu <sub>2</sub> O templates and enhanced photocatalytic activities. <i>Materials Research Bulletin</i> , 2016, 80, 200-208.	5.2	17
61	Construction of g-C <sub>3</sub> N <sub>4</sub> -WO <sub>3</sub> -Bi <sub>2</sub> WO <sub>6</sub> double Z-scheme system with enhanced photoelectrochemical performance. <i>Materials Letters</i> , 2016, 168, 180-183.	2.6	56
62	One-step synthesis of flower-like WO <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunction with enhanced visible light photocatalytic activity. <i>Journal of Materials Science</i> , 2016, 51, 2112-2120.	3.7	34
63	Silver-modified specific (040) facet of BiVO <sub>4</sub> with enhanced photoelectrochemical performance. <i>Materials Letters</i> , 2016, 170, 163-166.	2.6	25
64	In situ growth of Ag <sub>3</sub> PO <sub>4</sub> on N-BiPO <sub>4</sub> nanorod: A core-shell heterostructure for high performance photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 382-388.	9.4	34
65	Ag <sub>3</sub> PO <sub>4</sub> /TiO <sub>2</sub> heterostructures with enhanced photocatalytic activity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 459-466.	1.8	12
66	Study on Clean Development Mechanism, Quantitative and Sustainable Mechanism. <i>Advances in Meteorology</i> , 2015, 2015, 1-9.	1.6	0
67	Enhanced photocatalytic activity in ZnFe <sub>2</sub> O <sub>4</sub> –ZnO–Ag <sub>3</sub> PO <sub>4</sub> hollow nanospheres through the cascaded electron transfer with magnetical separation. <i>Journal of Alloys and Compounds</i> , 2015, 636, 229-233.	5.5	45
68	First-principles energy band calculation and one step synthesis of N-doped BiPO <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2015, 640, 290-297.	5.5	21
69	Preparation of p–n junction BiVO <sub>4</sub> /Ag <sub>2</sub> O heterogeneous nanostructures with enhanced visible-light photocatalytic activity. <i>Materials Letters</i> , 2015, 151, 75-78.	2.6	38
70	Synthesis of flower-like WO <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunction and enhanced photocatalytic degradation for Rhodamine B. <i>Micro and Nano Letters</i> , 2015, 10, 460-464.	1.3	13
71	Fabrication of Cu <sub>2</sub> O/Au/BiPO <sub>4</sub> Z-scheme photocatalyst to improve the photocatalytic activity under solar light. <i>Journal of Molecular Catalysis A</i> , 2015, 410, 133-139.	4.8	34
72	Preparation of flower-like BiOBr–WO <sub>3</sub> –Bi <sub>2</sub> WO <sub>6</sub> ternary hybrid with enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015, 651, 184-192.	5.5	50

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73	Ag/Bi <sub>2</sub> WO <sub>6</sub> plasmonic composites with enhanced visible photocatalytic activity. <i>Ceramics International</i> , 2014, 40, 6495-6501.	4.8	52
74	Magnetically separable ZnFe <sub>2</sub> O <sub>4</sub> , Fe <sub>2</sub> O <sub>3</sub> /ZnFe <sub>2</sub> O <sub>4</sub> and ZnO/ZnFe <sub>2</sub> O <sub>4</sub> hollow nanospheres with enhanced visible photocatalytic properties. <i>RSC Advances</i> , 2014, 4, 51302-51308.	3.6	57
75	Magnetically separable ternary hybrid of ZnFe <sub>2</sub> O <sub>4</sub> @ Fe <sub>2</sub> O <sub>3</sub> @ Bi <sub>2</sub> WO <sub>6</sub> hollow nanospheres with enhanced visible photocatalytic property. <i>Applied Surface Science</i> , 2014, 320, 146-153.	6.1	35
76	Visible-light responsive carbon@anatase@hematite core-shell microspheres for methylene blue photodegradation. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 950-957.	4.0	15
77	Integral stormwater management master plan and design in an ecological community. <i>Journal of Environmental Sciences</i> , 2014, 26, 1818-1823.	6.1	29
78	Thermal Behavior of Alumina Microfibers Precursor Prepared by Surfactant Assisted Microwave Hydrothermal. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3638-3642.	3.8	5
79	Multilayered Mo-Doped TiO <sub>2</sub> Nanofibers and Enhanced Photocatalytic Activity. <i>Materials and Manufacturing Processes</i> , 2012, 27, 631-635.	4.7	25
80	Two-step template-free route for synthesis of TiO <sub>2</sub> hollow spheres. <i>Journal of Materials Science</i> , 2011, 46, 931-937.	3.7	29