Junqi Li

List of Publications by Year in descending order

80 papers	1,899 citations	218677 26 h-index	315739 38 g-index
81 all docs	81 docs citations	81 times ranked	2531 citing authors

#	Article	IF	Citations
1	Enhanced Electrocatalytic Performance through Body Enrichment of Coâ€Based Bimetallic Nanoparticles In Situ Embedded Porous Nâ€Doped Carbon Spheres. Small, 2019, 15, e1903395.	10.0	70
2	Performance assessment of extensive green roof runoff flow and quality control capacity based on pilot experiments. Science of the Total Environment, 2019, 687, 505-515.	8.0	67
3	Effects of Crystallinity and Defects of Layered Carbon Materials on Potassium Storage: A Review and Prediction. Electrochemical Energy Reviews, 2022, 5, 401-433.	25.5	65
4	Perpendicular growth of few-layered MoS₂ nanosheets on MoO₃ nanowires fabricated by direct anion exchange reactions for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 17764-17772.	10.3	64
5	Defective TiO2-graphene heterostructures enabling in-situ electrocatalyst evolution for lithium-sulfur batteries. Journal of Energy Chemistry, 2021, 62, 508-515.	12.9	63
6	Antimicrobial Activity of Zinc Oxideâ€“Graphene Quantum Dot Nanocomposites: Enhanced Adsorption on Bacterial Cells by Cationic Capping Polymers. ACS Sustainable Chemistry and Engineering, 2019, 7, 16264-16273.	6.7	59
7	Magnetically separable ZnFe₂O₄, Fe₂O₃/ZnFe₂O₄ and ZnO/ZnFe₂O₄ hollow nanospheres with enhanced visible photocatalytic properties. RSC Advances, 2014, 4, 51302-51308.	3.6	57
8	Construction of g-C3N4-WO3-Bi2WO6 double Z-scheme system with enhanced photoelectrochemical performance. Materials Letters, 2016, 168, 180-183.	2.6	56
9	Ag/Bi2WO6 plasmonic composites with enhanced visible photocatalytic activity. Ceramics International, 2014, 40, 6495-6501.	4.8	52
10	Biocatalyst and Colorimetric/Fluorescent Dual Biosensors of H₂O₂ Constructed via Hemoglobinâ€“Cu₃(PO₄)₂ Organic/Inorganic Hybrid Nanoflowers. ACS Applied Materials & Interfaces, 2018, 10, 30441-30450.	8.0	52
11	Preparation of flower-like BiOBrâ€“WO 3 â€“Bi 2 WO 6 ternary hybrid with enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2015, 651, 184-192.	5.5	50
12	Stable single-atom cobalt as a strong coupling bridge to promote electron transfer and separation in photoelectrocatalysis. Journal of Catalysis, 2019, 370, 176-185.	6.2	46
13	Enhanced photocatalytic activity in ZnFe2O4â€“ZnOâ€“Ag3PO4 hollow nanospheres through the cascadal electron transfer with magnetical separation. Journal of Alloys and Compounds, 2015, 636, 229-233.	5.5	45
14	Influence of Rainfall Characteristics on Total Suspended Solids in Urban Runoff: A Case Study in Beijing, China. Water (Switzerland), 2016, 8, 278.	2.7	40
15	Metallic Bi Nanocrystalâ€Modified Defective BiVO₄ Photoanodes with Exposed (040) Facets for Photoelectrochemical Water Splitting. ChemElectroChem, 2017, 4, 2852-2861.	3.4	39
16	Preparation of pâ€“n junction BiVO4/Ag2O heterogeneous nanostructures with enhanced visible-light photocatalytic activity. Materials Letters, 2015, 151, 75-78.	2.6	38
17	Hemoglobin-Mn3(PO4)2 hybrid nanoflower with opulent electroactive centers for high-performance hydrogen peroxide electrochemical biosensor. Sensors and Actuators B: Chemical, 2020, 307, 127628.	7.8	37
18	Magnetically separable ternary hybrid of ZnFe 2 O 4 â€“Fe 2 O 3 â€“Bi 2 WO 6 hollow nanospheres with enhanced visible photocatalytic property. Applied Surface Science, 2014, 320, 146-153.	6.1	35

#	Article	IF	Citations
19	Tuning electronic structure of CoNi LDHs via surface Fe doping for achieving effective oxygen evolution reaction. Applied Surface Science, 2021, 565, 150506.	6.1	35
20	Fabrication of Cu2O/Au/BiPO4 Z-scheme photocatalyst to improve the photocatalytic activity under solar light. Journal of Molecular Catalysis A, 2015, 410, 133-139.	4.8	34
21	One-step synthesis of flower-like WO3/Bi2WO6 heterojunction with enhanced visible light photocatalytic activity. Journal of Materials Science, 2016, 51, 2112-2120.	3.7	34
22	In situ growth of Ag 3 PO 4 on N-BiPO 4 nanorod: A coreâ€“shell heterostructure for high performance photocatalyst. Journal of Colloid and Interface Science, 2016, 462, 382-388.	9.4	34
23	g-C₃N₄ modified flower-like WO₃â€“Bi₂WO₆ microspheres with enhanced photoelectrocatalytic activity. New Journal of Chemistry, 2016, 40, 9638-9647.	2.8	33
24	Photoelectrochemical performance of g-C₃N₄/Au/BiPO₄Z-scheme composites to improve the mineralization property under solar light. RSC Advances, 2016, 6, 70563-70572.	3.6	32
25	Case Studies of the Sponge City Program in China. , 2016, , .		32
26	Two-step template-free route for synthesis of TiO2 hollow spheres. Journal of Materials Science, 2011, 46, 931-937.	3.7	29
27	Integral stormwater management master plan and design in an ecological community. Journal of Environmental Sciences, 2014, 26, 1818-1823.	6.1	29
28	Factors Affecting Runoff Retention Performance of Extensive Green Roofs. Water (Switzerland), 2018, 10, 1217.	2.7	28
29	Controlling the Chemical Bonding of Highly Dispersed Co Atoms Anchored on an Ultrathin g-C₃N₄@Carbon Sphere for Enhanced Electrocatalytic Activity of the Oxygen Evolution Reaction. Inorganic Chemistry, 2019, 58, 10802-10811.	4.0	27
30	Multilayered Mo-Doped TiO₂Nanofibers and Enhanced Photocatalytic Activity. Materials and Manufacturing Processes, 2012, 27, 631-635.	4.7	25
31	Silver-modified specific (040) facet of BiVO4 with enhanced photoelectrochemical performance. Materials Letters, 2016, 170, 163-166.	2.6	25
32	A series of BCN nanosheets with enhanced photoelectrochemical performances. Chemical Physics Letters, 2017, 672, 99-104.	2.6	25
33	Exposed specific (040) and (110) facets of BiVO₄ modified with Bi₂WO₆ nanoparticles for enhanced photocatalytic performance. New Journal of Chemistry, 2017, 41, 6922-6927.	2.8	23
34	Factors affecting the ability of extensive green roofs to reduce nutrient pollutants in rainfall runoff. Science of the Total Environment, 2020, 732, 139248.	8.0	23
35	Transferable Active Centers of Strongly Coupled MoS₂@Sulfur and Molybdenum Co-doped g-C₃N₄ Heterostructure Electrocatalysts for Boosting Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. Inorganic Chemistry, 2021, 60, 2604-2613.	4.0	22
36	First-principles energy band calculation and one step synthesis of N-doped BiPO4. Journal of Alloys and Compounds, 2015, 640, 290-297.	5.5	21

#	Article	IF	Citations
37	Constructing hâ€BN/Bi₂WO₆ Quantum Dot Hybrid with Fast Charge Separation and Enhanced Photoelectrochemical Performance by using hâ€BN for Hole Transfer. ChemElectroChem, 2018, 5, 300-308.	3.4	21
38	Morphological evolution and enhanced photoelectrochemical performance of V4+ self-doped, [010] oriented BiVO4 for water splitting. Journal of Alloys and Compounds, 2019, 771, 914-923.	5.5	21
39	Influence of Rainfall, Model Parameters and Routing Methods on Stormwater Modelling. Water Resources Management, 2018, 32, 735-750.	3.9	20
40	Sulfur and molybdenum Co-doped graphitic carbon nitride as a superior water dissociation electrocatalyst for alkaline hydrogen evolution reaction. Ceramics International, 2020, 46, 14178-14187.	4.8	20
41	Biocatalyst and colorimetric biosensor of carcinoembryonic antigen constructed via chicken egg white-copper phosphate organic/inorganic hybrid nanoflowers. Journal of Colloid and Interface Science, 2021, 601, 50-59.	9.4	20
42	Using machine learning to screen non-graphite carbon materials based on Na-ion storage properties. Journal of Materials Chemistry A, 2022, 10, 8031-8046.	10.3	19
43	A novel fabrication of Cu 2 O@Cu 7 S 4 core-shell micro/nanocrystals from Cu 2 O temples and enhanced photocatalytic activities. Materials Research Bulletin, 2016, 80, 200-208.	5.2	17
44	NiFeOx nanosheets tight-coupled with Bi2WO6 nanosheets to improve the electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2019, 478, 969-980.	6.1	17
45	g-C3N4-modulated bifunctional SnO2@g-C3N4@SnS2 hollow nanospheres for efficient electrochemical overall water splitting. Applied Surface Science, 2022, 589, 153016.	6.1	17
46	Flower-like Bi2WO6 with oxygen vacancies achieving enhanced photoelectrocatalytic performance. Materials Letters, 2018, 223, 93-96.	2.6	16
47	Defective Bi₂WO₆â€Supported Cu Nanoparticles as Efficient and Stable Photoelectrocatalytic for Water Splitting in Nearâ€Neutral Media. Energy Technology, 2018, 6, 2247-2255.	3.8	16
48	Controlled synthesis and fine-tuned interface of NiS nanoparticles/Bi2WO6 nanosheets heterogeneous as electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2020, 526, 146718.	6.1	16
49	Visible-light responsive carbonâ€“anataseâ€“hematite coreâ€“shell microspheres for methylene blue photodegradation. Materials Science in Semiconductor Processing, 2014, 27, 950-957.	4.0	15
50	Synthesis of flowerâ€like WO ₃ /Bi ₂ WO ₆ heterojunction and enhanced photocatalytic degradation for Rhodamine B. Micro and Nano Letters, 2015, 10, 460-464.	1.3	13
51	Estimating Time of Concentration for Overland Flow on Pervious Surfaces by Particle Tracking Method. Water (Switzerland), 2018, 10, 379.	2.7	13
52	Effectiveness Analysis of Systematic Combined Sewer Overflow Control Schemes in the Sponge City Pilot Area of Beijing. International Journal of Environmental Research and Public Health, 2019, 16, 1503.	2.6	13
53	Ag₃PO₄/TiO₂heterostructures with enhanced photocatalytic activity. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 459-466.	1.8	12
54	Oneâ€step inâ€situ fabrication of silverâ€modified Cu ₂ O crystals with enhanced visible photocatalytic activity. Micro and Nano Letters, 2016, 11, 363-365.	1.3	12

#	Article	IF	Citations
55	Facile fabrication of magnetic phosphorylated chitosan for the removal of Co(II) in water treatment: separation properties and adsorption mechanisms. Environmental Science and Pollution Research, 2020, 27, 2588-2598.	5.3	11
56	Enhanced visibleâ€light activity of Ti ³⁺ selfâ€doped TiO ₂ with coâ€exposed {001} and {101} facets. Micro and Nano Letters, 2018, 13, 514-517.	1.3	10
57	The Effects of Rainfall Runoff Pollutants on Plant Physiology in a Bioretention System Based on Pilot Experiments. Sustainability, 2019, 11, 6402.	3.2	10
58	Tunable oxygen deficient in <scp> MoO ₃ </scp> _{â€x} / <scp> MoO ₂ </scp> heterostructure for enhanced lithium storage properties. International Journal of Energy Research, 2022, 46, 5789-5799.	4.5	9
59	Ni and CeO₂ Nanoparticles Anchored on Cicada-Wing-like Nitrogen-Doped Porous Carbon as Bifunctional Catalysts for Water Splitting. ACS Applied Nano Materials, 2022, 5, 1252-1262.	5.0	9
60	Double functionalization of <scp> Mo ₂ C </scp> and <scp>NiMnâ€LDH</scp> assembling <scp> gâ€C ₃ N ₄ </scp> as efficient bifunctional electrocatalysts for selective electrocatalytic reactions and overall water splitting. International Journal of Energy Research, 2022, 46, 12406-12416.	4.5	9
61	Enhancing the photoelectrochemical performance of BiVO4 by decorating only its (040) facet with self-assembled Ag@AgCl QDs. Journal of Solid State Electrochemistry, 2018, 22, 2425-2434.	2.5	8
62	Evaluating the Road-Bioretention Strip System from a Hydraulic Perspectiveâ€"Case Studies. Water (Switzerland), 2018, 10, 1778.	2.7	8
63	Characteristics of colloids and their affinity for heavy metals in road runoff with different traffic in Beijing, China. Environmental Science and Pollution Research, 2021, 28, 20082-20092.	5.3	8
64	Fabrication of p-NiO nanoparticles/n-TiO2 nanospheres photocatalysts and their photocatalytic performance for degradation of Rh B. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	7
65	Strong electron affinity PDI supramolecules form anion radicals for the degradation of organic pollutants via direct electrophilic attack. Catalysis Science and Technology, 2021, 11, 1899-1913.	4.1	7
66	The Response of Runoff Pollution Control to Initial Runoff Volume Capture in Sponge City Construction Using SWMM. Applied Sciences (Switzerland), 2022, 12, 5617.	2.5	7
67	Zero increase in peak discharge for sustainable development. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	6
68	Facile preparation of EDTA-functionalized magnetic chitosan for removal of co(II) from aqueous solutions. Environmental Technology (United Kingdom), 2021, 42, 1313-1325.	2.2	6
69	Coal gangue modified bioretention system for runoff pollutants removal and the biological characteristics. Journal of Environmental Management, 2022, 314, 115044.	7.8	6
70	Thermal Behavior of Alumina Microfibers Precursor Prepared by Surfactant Assisted Microwave Hydrothermal. Journal of the American Ceramic Society, 2012, 95, 3638-3642.	3.8	5
71	Construction of Ti3+ self-doped TiO2/BCN heterojunction with enhanced photoelectrochemical performance for water splitting. Journal of Materials Science: Materials in Electronics, 2019, 30, 2006-2015.	2.2	5
72	Facile Preparation of hâ€WO₃/Carbon Cloth Nanocomposite and Its Electrochemical Properties for Supercapacitors. ChemistrySelect, 2020, 5, 7704-7713.	1.5	5

#	Article	IF	Citations
73	A nitrogen-rich BiVO4 nanosheet photoanode for photoelectrochemical water oxidation. Journal of Materials Science: Materials in Electronics, 2019, 30, 19984-19993.	2.2	4
74	Thinking Critically through Key Issues in Improving the Effectiveness of Waterlogging Prevention and Control System in Chinaâ€™s Historic Districts. Sustainability, 2022, 14, 2913.	3.2	4
75	Controlling the D-band for improved oxygen evolution performance in Ni modulated ultrafine Co nanoparticles embedded in Nitrogen-doped carbon microspheres. Journal of Colloid and Interface Science, 2022, 623, 44-53.	9.4	4
76	The relationship between typical heavy metal content and physiological indexes of shrubs in bioretention facilities. Hydrology Research, 2021, 52, 1132-1142.	2.7	2
77	Mixedâ€phase BiVO ₄ nanosheet achieving enhanced photoelectrocatalytic performance. Micro and Nano Letters, 2020, 15, 586-589.	1.3	2
78	Removal performance and dissolved organic matter biodegradation characteristics in advection ecological permeable dam reactor. Environmental Technology (United Kingdom), 2022, , 1-12.	2.2	2
79	Study on Clean Development Mechanism, Quantitative and Sustainable Mechanism. Advances in Meteorology, 2015, 2015, 1-9.	1.6	0
80	Influences of Weather Conditions and Daily Repeated Upstream Releases on Temperature Distributions in a River-Reservoir System. Journal of Hydrologic Engineering - ASCE, 2018, 23, 04017055.	1.9	0