

# Shijie Li

## List of Publications by Year in descending order

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79  
papers

9,337  
citations

57719

44  
h-index

66879

78  
g-index

79  
all docs

79  
docs citations

79  
times ranked

7934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing Cd <sub>0.5</sub> Zn <sub>0.5</sub> /Bi <sub>2</sub> WO <sub>6</sub> S-scheme heterojunction for boosted photocatalytic antibiotic oxidation and Cr(VI) reduction. , 2023, 2, 100073.		158
2	In situ construction of heterostructured bimetallic sulfide/phosphide with rich interfaces for high-performance aqueous Zn-ion batteries. Science China Materials, 2022, 65, 356-363.	3.5	82
3	Facile construction of novel organic-inorganic tetra (4-carboxyphenyl) porphyrin/Bi <sub>2</sub> MoO <sub>6</sub> heterojunction for tetracycline degradation: Performance, degradation pathways, intermediate toxicity analysis and mechanism insight. Journal of Colloid and Interface Science, 2022, 605, 727-740.	5.0	176
4	Facile fabrication of TaON/Bi <sub>2</sub> MoO <sub>6</sub> core-shell S-scheme heterojunction nanofibers for boosting visible-light catalytic levofloxacin degradation and Cr(VI) reduction. Chemical Engineering Journal, 2022, 428, 131158.	6.6	203
5	Photocatalytic degradation of tetracycline antibiotic by a novel Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> /Bi <sub>2</sub> MoO <sub>6</sub> S-scheme heterojunction: Performance, mechanism insight and toxicity assessment. Chemical Engineering Journal, 2022, 429, 132519.	6.6	279
6	Visible-light photocatalytic tetracycline degradation over nanodots-assembled N-ZrO <sub>2</sub> <sup>x</sup> nanostructures: Performance, degradation pathways and mechanistic insight. Journal of Alloys and Compounds, 2022, 895, 162582.	2.8	24
7	3D structured TiO <sub>2</sub> -based aerogel photocatalyst for the high-efficiency degradation of toluene gas. New Journal of Chemistry, 2022, 46, 2272-2281.	1.4	10
8	In situ construction of a C <sub>3</sub> N <sub>5</sub> /Bi <sub>2</sub> WO <sub>6</sub> nanodot S-scheme heterojunction with enhanced structural defects for the efficient photocatalytic removal of tetracycline and Cr(VI). Inorganic Chemistry Frontiers, 2022, 9, 2479-2497.	3.0	217
9	Photocatalytic oxidation of tetracycline, reduction of hexavalent chromium and hydrogen evolution by Cu <sub>2</sub> O/g-C <sub>3</sub> N <sub>4</sub> S-scheme photocatalyst: Performance and mechanism insight. Applied Surface Science, 2022, 592, 153309.	3.1	27
10	Constructing an ohmic junction of copper@ cuprous oxide nanocomposite with plasmonic enhancement for photocatalysis. Journal of Colloid and Interface Science, 2022, 616, 163-176.	5.0	25
11	Photocatalytic reduction of CO <sub>2</sub> and degradation of Bisphenol-S by g-C <sub>3</sub> N <sub>4</sub> /Cu <sub>2</sub> O@Cu S-scheme heterojunction: Study on the photocatalytic performance and mechanism insight. Carbon, 2022, 193, 272-284.	5.4	51
12	Rationally designed tetra (4-carboxyphenyl) porphyrin/graphene quantum dots/bismuth molybdate Z-scheme heterojunction for tetracycline degradation and Cr(VI) reduction: Performance, mechanism, intermediate toxicity appraisalment. Journal of Colloid and Interface Science, 2022, 619, 307-321.	5.0	135
13	Rationally designed Ta <sub>3</sub> N <sub>5</sub> /BiOCl S-scheme heterojunction with oxygen vacancies for elimination of tetracycline antibiotic and Cr(VI): Performance, toxicity evaluation and mechanism insight. Journal of Materials Science and Technology, 2022, 123, 177-190.	5.6	232
14	Integration of plasmonic effect and S-scheme heterojunction into gold decorated carbon nitride/cuprous oxide catalyst for photocatalysis. Journal of Cleaner Production, 2022, 360, 131948.	4.6	29
15	Construction of Au and C <sub>60</sub> quantum dots modified materials of Institute Lavoisier-125(Ti) architectures for antibiotic degradation: Performance, toxicity assessment, and mechanistic insight. Journal of Colloid and Interface Science, 2022, 623, 417-431.	5.0	18
16	Rationally designed S-scheme heterojunction of C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> /carbon fiber cloth as a recyclable, macroscopic and efficient photocatalyst for wastewater treatment. Chemical Engineering Journal, 2022, 445, 136703.	6.6	46
17	Constructing Ag decorated ZnS <sub>1-x</sub> quantum dots/Ta <sub>2</sub> O <sub>5-x</sub> nanospheres for boosted tetracycline removal: Synergetic effects of structural defects, S-scheme heterojunction, and plasmonic effects. Journal of Colloid and Interface Science, 2022, 623, 1085-1100.	5.0	21
18	Designing oxygen vacancy mediated bismuth molybdate (Bi <sub>2</sub> MoO <sub>6</sub> )/N-rich carbon nitride (C <sub>3</sub> N <sub>5</sub> ) S-scheme heterojunctions for boosted photocatalytic removal of tetracycline antibiotic and Cr(VI): Intermediate toxicity and mechanism insight. Journal of Colloid and Interface Science, 2022, 624, 219-232.	5.0	155

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19	A novel and facile procedure to decorate Bi <sub>2</sub> O <sub>3</sub> with Bi <sub>2</sub> S <sub>3</sub> nanocrystals: Composites synthesis, analyses, and photocatalytic performance assessment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125640.	2.3	14
20	Constructing a plasmonic p-n heterojunction photocatalyst of 3D Ag/Ag <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> /Bi <sub>2</sub> MoO <sub>6</sub> for efficiently removing broad-spectrum antibiotics. <i>Separation and Purification Technology</i> , 2021, 254, 117579.	3.9	119
21	Enhanced photocatalytic conversion of NO <sub>x</sub> with satisfactory selectivity of 3D-2D Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> -GO hierarchical structures via a facile microwave-assisted preparation. <i>Separation and Purification Technology</i> , 2021, 266, 118237.	3.9	49
22	Magnetically recyclable and remarkably efficient visible-light-driven photocatalytic hexavalent chromium removal based on plasmonic biochar/bismuth/ferroferic oxide heterojunction. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 424-435.	5.0	26
23	Photocatalytic degradation of antibiotics using a novel Ag/Ag <sub>2</sub> S/Bi <sub>2</sub> MoO <sub>6</sub> plasmonic p-n heterojunction photocatalyst: Mineralization activity, degradation pathways and boosted charge separation mechanism. <i>Chemical Engineering Journal</i> , 2021, 415, 128991.	6.6	253
24	Highly enhanced photodegradation of emerging pollutants by Ag/AgCl/Ta <sub>2</sub> O <sub>5</sub> mesocrystals. <i>Separation and Purification Technology</i> , 2021, 279, 119733.	3.9	39
25	<i>In situ</i> crystallization and growth of TiO <sub>2</sub> nanospheres between MXene layers for improved adsorption and visible light photocatalysis. <i>Catalysis Science and Technology</i> , 2021, 11, 3834-3844.	2.1	44
26	Strategizing the relation between urbanization and air pollution: Empirical evidence from global countries. <i>Journal of Cleaner Production</i> , 2020, 243, 118615.	4.6	132
27	A novel 3D Z-scheme heterojunction photocatalyst: Ag <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> anchored on flower-like Bi <sub>2</sub> WO <sub>6</sub> and its excellent photocatalytic performance for the degradation of toxic pharmaceutical antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 529-541.	3.0	121
28	Controllable Hydrothermal Synthesis and Photocatalytic Performance of Bi <sub>2</sub> MoO <sub>6</sub> Nano/Microstructures. <i>Catalysts</i> , 2020, 10, 1161.	1.6	15
29	Facile Preparation of a Novel Bi <sub>2</sub> WO <sub>6</sub> /Calcined Mussel Shell Composite Photocatalyst with Enhanced Photocatalytic Performance. <i>Catalysts</i> , 2020, 10, 1166.	1.6	89
30	Plasmonic p-n heterojunction of Ag/Ag <sub>2</sub> S/Ag <sub>2</sub> MoO <sub>4</sub> with enhanced Vis-NIR photocatalytic activity for purifying wastewater. <i>Separation and Purification Technology</i> , 2020, 251, 117347.	3.9	52
31	Facile construction of novel Bi <sub>2</sub> WO <sub>6</sub> /Ta <sub>3</sub> N <sub>5</sub> Z-scheme heterojunction nanofibers for efficient degradation of harmful pharmaceutical pollutants. <i>Chemical Engineering Journal</i> , 2020, 402, 126165.	6.6	277
32	BiOCOOH Microflowers Decorated with Ag/Ag <sub>2</sub> CrO <sub>4</sub> Nanoparticles as Highly Efficient Photocatalyst for the Treatment of Toxic Wastewater. <i>Catalysts</i> , 2020, 10, 93.	1.6	30
33	A facile one-pot and alkali-free synthetic procedure for binary SnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> composites with enhanced photocatalytic behavior. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105112.	1.9	18
34	In situ construction of WO <sub>3</sub> nanoparticles decorated Bi <sub>2</sub> MoO <sub>6</sub> microspheres for boosting photocatalytic degradation of refractory pollutants. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 335-344.	5.0	219
35	Coupling analysis of urbanization and energy-environment efficiency: Evidence from Guangdong province. <i>Applied Energy</i> , 2019, 254, 113650.	5.1	137
36	Socioeconomic driving forces and scenario simulation of CO <sub>2</sub> emissions for a fast-developing region in China. <i>Journal of Cleaner Production</i> , 2019, 216, 217-229.	4.6	66

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37	Hierarchical assembly of manganese dioxide nanosheets on one-dimensional titanium nitride nanofibers for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 712-718.	5.0	25
38	Spatial Heterogeneity in the Determinants of Urban Form: An Analysis of Chinese Cities with a GWR Approach. <i>Sustainability</i> , 2019, 11, 479.	1.6	20
39	Facile construction of flower-like bismuth oxybromide/bismuth oxide formate p-n heterojunctions with significantly enhanced photocatalytic performance under visible light. <i>Journal of Colloid and Interface Science</i> , 2019, 548, 12-19.	5.0	92
40	Does modernization affect carbon dioxide emissions? A panel data analysis. <i>Science of the Total Environment</i> , 2019, 663, 426-435.	3.9	66
41	Examining the spatially varying effects of factors on PM2.5 concentrations in Chinese cities using geographically weighted regression modeling. <i>Environmental Pollution</i> , 2019, 248, 792-803.	3.7	70
42	Evaluating the energy-environment efficiency and its determinants in Guangdong using a slack-based measure with environmental undesirable outputs and panel data model. <i>Science of the Total Environment</i> , 2019, 663, 878-888.	3.9	77
43	Facile Fabrication of Flower-Like BiOI/BiOCOOH p-n Heterojunctions for Highly Efficient Visible-Light-Driven Photocatalytic Removal of Harmful Antibiotics. <i>Nanomaterials</i> , 2019, 9, 1571.	1.9	7
44	A Novel Flower-Like Ag/AgCl/BiOCOOH Ternary Heterojunction Photocatalyst: Facile Construction and Its Superior Photocatalytic Performance for the Removal of Toxic Pollutants. <i>Nanomaterials</i> , 2019, 9, 1562.	1.9	13
45	Examining the effects of socioeconomic development on China's carbon productivity: A panel data analysis. <i>Science of the Total Environment</i> , 2019, 659, 681-690.	3.9	92
46	In situ anion exchange strategy to construct flower-like BiOCl/BiOCOOH p-n heterojunctions for efficiently photocatalytic removal of aqueous toxic pollutants under solar irradiation. <i>Journal of Alloys and Compounds</i> , 2019, 781, 582-588.	2.8	91
47	What are the impacts of demographic structure on CO2 emissions? A regional analysis in China via heterogeneous panel estimates. <i>Science of the Total Environment</i> , 2019, 650, 2021-2031.	3.9	69
48	Regional inequality, spatial spillover effects, and the factors influencing city-level energy-related carbon emissions in China. <i>Journal of Chinese Geography</i> , 2018, 28, 495-513.	1.5	44
49	Construction of a novel ternary Ag/AgBr/Ag2WO4 composite for efficient photocatalytic removal of Rhodamine B dye and tetracycline hydrochloride antibiotic. <i>Materials Letters</i> , 2018, 224, 29-32.	1.3	28
50	Hierarchical architectures of bismuth molybdate nanosheets onto nickel titanate nanofibers: Facile synthesis and efficient photocatalytic removal of tetracycline hydrochloride. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 42-49.	5.0	90
51	Hierarchical hollow MnO2 nanofibers with enhanced supercapacitor performance. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 448-454.	5.0	93
52	Ag2CO3 Decorating BiOCOOH Microspheres with Enhanced Full-Spectrum Photocatalytic Activity for the Degradation of Toxic Pollutants. <i>Nanomaterials</i> , 2018, 8, 914.	1.9	14
53	Synthesis of Flower-Like AgI/BiOCOOH p-n Heterojunctions With Enhanced Visible-Light Photocatalytic Performance for the Removal of Toxic Pollutants. <i>Frontiers in Chemistry</i> , 2018, 6, 518.	1.8	18
54	Facile Synthesis of Bi2MoO6 Microspheres Decorated by CdS Nanoparticles with Efficient Photocatalytic Removal of Levofloxacin Antibiotic. <i>Catalysts</i> , 2018, 8, 477.	1.6	11

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55	Hierarchical heterostructures of Bi <sub>2</sub> MoO <sub>6</sub> microflowers decorated with Ag <sub>2</sub> CO <sub>3</sub> nanoparticles for efficient visible-light-driven photocatalytic removal of toxic pollutants. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2297-2305.	1.5	15
56	Facile synthesis of cerium oxide nanoparticles decorated flower-like bismuth molybdate for enhanced photocatalytic activity toward organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 171-178.	5.0	167
57	Ag <sub>2</sub> WO <sub>4</sub> nanorods decorated with AgI nanoparticles: Novel and efficient visible-light-driven photocatalysts for the degradation of water pollutants. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1308-1316.	1.5	22
58	Examining the Impacts of Urban Form on Air Pollution in Developing Countries: A Case Study of China's Megacities. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1565.	1.2	68
59	Ag <sub>3</sub> VO <sub>4</sub> Nanoparticles Decorated Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> Micro-Flowers: An Efficient Visible-Light-Driven Photocatalyst for the Removal of Toxic Contaminants. <i>Frontiers in Chemistry</i> , 2018, 6, 255.	1.8	37
60	Impacts of energy consumption structure, energy intensity, economic growth, urbanization on PM <sub>2.5</sub> concentrations in countries globally. <i>Applied Energy</i> , 2018, 230, 94-105.	5.1	155
61	Dose urban landscape pattern affect CO <sub>2</sub> emission efficiency? Empirical evidence from megacities in China. <i>Journal of Cleaner Production</i> , 2018, 203, 164-178.	4.6	53
62	MWCNTs/BiO <sub>2</sub> COOH composites with improved sunlight photocatalytic activity. <i>Materials Letters</i> , 2017, 191, 157-160.	1.3	22
63	Facile synthesis of Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored on Bi <sub>2</sub> MoO <sub>6</sub> microflowers with improved visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 93-101.	5.0	96
64	Synthesis of n-type TaON microspheres decorated by p-type Ag <sub>2</sub> O with enhanced visible light photocatalytic activity. <i>Molecular Catalysis</i> , 2017, 435, 135-143.	1.0	40
65	Facile synthesis of flower-like Ag <sub>3</sub> VO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunction with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 156-163.	5.0	152
66	Construction of fiber-shaped silver oxide/tantalum nitride p-n heterojunctions as highly efficient visible-light-driven photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 561-569.	5.0	64
67	One-pot solvothermal synthesis of Ag nanoparticles decorated BiO <sub>2</sub> COOH microflowers with enhanced visible light activity. <i>Materials Letters</i> , 2017, 196, 343-346.	1.3	25
68	Synthesis of Ta <sub>3</sub> N <sub>5</sub> /Bi <sub>2</sub> MoO <sub>6</sub> core-shell fiber-shaped heterojunctions as efficient and easily recyclable photocatalysts. <i>Environmental Science: Nano</i> , 2017, 4, 1155-1167.	2.2	180
69	Enhanced visible-light photocatalytic activity of Ag/AgI coupled Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> microspheres. <i>Materials Letters</i> , 2017, 191, 123-127.	1.3	17
70	Facile synthesis of hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanoflowers with large specific surface area for high-performance supercapacitors. <i>Materials Letters</i> , 2017, 187, 129-132.	1.3	37
71	Synthesis of flower-like Ag <sub>2</sub> O/BiO <sub>2</sub> COOH p-n heterojunction with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017, 397, 95-103.	3.1	81
72	A Novel Heterostructure of BiOI Nanosheets Anchored onto MWCNTs with Excellent Visible-Light Photocatalytic Activity. <i>Nanomaterials</i> , 2017, 7, 22.	1.9	45

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73	Synthesis of flower-like Ta <sub>3</sub> N <sub>5</sub> -Au heterojunction with enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2017, 695, 1137-1144.	2.8	26
74	Hierarchical MnO <sub>2</sub> nanosheets on electrospun NiCo <sub>2</sub> O <sub>4</sub> nanotubes as electrode materials for high rate capability and excellent cycling stability supercapacitors. Journal of Alloys and Compounds, 2016, 678, 120-125.	2.8	51
75	Flower-like MWCNTs/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> composites with enhanced photocatalytic activity under simulated solar light irradiation. Materials Letters, 2016, 185, 50-53.	1.3	14
76	Flower-like Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> MoO <sub>6</sub> heterojunction superstructures with enhanced visible-light-driven photocatalytic activity. RSC Advances, 2015, 5, 75081-75088.	1.7	78
77	Semiconductor heterojunction photocatalysts: design, construction, and photocatalytic performances. Chemical Society Reviews, 2014, 43, 5234.	18.7	3,257
78	Ta <sub>3</sub> N <sub>5</sub> -Pt nonwoven cloth with hierarchical nanopores as efficient and easily recyclable macroscale photocatalysts. Scientific Reports, 2014, 4, 3978.	1.6	52
79	Surface decoration of Bi <sub>2</sub> WO <sub>6</sub> superstructures with Bi <sub>2</sub> O <sub>3</sub> nanoparticles: an efficient method to improve visible-light-driven photocatalytic activity. CrystEngComm, 2013, 15, 9011.	1.3	75