

# Lisha Zhang

## List of Publications by Year in descending order

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74  
papers

9,750  
citations

71061

41  
h-index

76872

74  
g-index

74  
all docs

74  
docs citations

74  
times ranked

10831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconductor heterojunction photocatalysts: design, construction, and photocatalytic performances. <i>Chemical Society Reviews</i> , 2014, 43, 5234.	18.7	3,257
2	Bi <sub>2</sub> WO <sub>6</sub> Nano- and Microstructures: Shape Control and Associated Visible-Light-Driven Photocatalytic Activities. <i>Small</i> , 2007, 3, 1618-1625.	5.2	566
3	Fabrication of flower-like Bi <sub>2</sub> WO <sub>6</sub> superstructures as high performance visible-light driven photocatalysts. <i>Journal of Materials Chemistry</i> , 2007, 17, 2526.	6.7	439
4	Ultrathin PEGylated W <sub>18</sub> O <sub>49</sub> Nanowires as a New 980 nm-Laser-Driven Photothermal Agent for Efficient Ablation of Cancer Cells In Vivo. <i>Advanced Materials</i> , 2013, 25, 2095-2100.	11.1	370
5	Sonochemical synthesis of nanocrystallite Bi <sub>2</sub> O <sub>3</sub> as a visible-light-driven photocatalyst. <i>Applied Catalysis A: General</i> , 2006, 308, 105-110.	2.2	356
6	A sonochemical route to visible-light-driven high-activity BiVO <sub>4</sub> photocatalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 252, 120-124.	4.8	340
7	AgBr-Ag-Bi <sub>2</sub> WO <sub>6</sub> nanojunction system: A novel and efficient photocatalyst with double visible-light active components. <i>Applied Catalysis A: General</i> , 2009, 363, 221-229.	2.2	304
8	Single-Crystalline BiVO <sub>4</sub> Microtubes with Square Cross-Sections: Microstructure, Growth Mechanism, and Photocatalytic Property. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13659-13664.	1.5	247
9	Fabrication of g-C <sub>3</sub> N <sub>4</sub> /BiOBr heterojunctions on carbon fibers as weaveable photocatalyst for degrading tetracycline hydrochloride under visible light. <i>Chemical Engineering Journal</i> , 2020, 386, 124010.	6.6	231
10	Naturally Occurring Sphalerite As a Novel Cost-Effective Photocatalyst for Bacterial Disinfection under Visible Light. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5689-5695.	4.6	202
11	Ultrasonic-assisted synthesis of visible-light-induced Bi <sub>2</sub> MO <sub>6</sub> (M=W, Mo) photocatalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 195-200.	4.8	184
12	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
13	Electrodeposited nanoporous ZnO films exhibiting enhanced performance in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2006, 51, 5870-5875.	2.6	146
14	Growth of C <sub>3</sub> N <sub>4</sub> nanosheets on carbon-fiber cloth as flexible and macroscale filter-membrane-shaped photocatalyst for degrading the flowing wastewater. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 425-431.	10.8	132
15	TiO <sub>2</sub> /BiOI p-n junction-decorated carbon fibers as weavable photocatalyst with UV-vis photoresponsive for efficiently degrading various pollutants. <i>Chemical Engineering Journal</i> , 2021, 415, 129019.	6.6	130
16	Construction of n-TiO <sub>2</sub> /p-Ag <sub>2</sub> O Junction on Carbon Fiber Cloth with Vis-NIR Photoresponse as a Filter-Membrane-Shaped Photocatalyst. <i>Advanced Fiber Materials</i> , 2020, 2, 13-23.	7.9	126
17	Bi <sub>2</sub> WO <sub>6</sub> micro/nano-structures: Synthesis, modifications and visible-light-driven photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 1-1.	10.8	110
18	Visible-light-driven photocatalytic inactivation of Escherichia coli by magnetic Fe <sub>2</sub> O <sub>3</sub> -AgBr. <i>Water Research</i> , 2016, 90, 111-118.	5.3	106

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19	Synthesis of BiOBr/WO <sub>3</sub> p-n heterojunctions with enhanced visible light photocatalytic activity. CrystEngComm, 2016, 18, 3856-3865.	1.3	104
20	Preparation of Fenton reagent with H <sub>2</sub> O <sub>2</sub> generated by solar light-illuminated nano-Cu <sub>2</sub> O/MWNTs composites. Applied Catalysis A: General, 2006, 299, 292-297.	2.2	95
21	High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. ACS Applied Materials & Interfaces, 2016, 8, 34482-34489.	4.0	85
22	Preparation of TiO <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> heterojunctions on carbon-fiber cloth as efficient filter-membrane-shaped photocatalyst for removing various pollutants from the flowing wastewater. Journal of Colloid and Interface Science, 2018, 532, 798-807.	5.0	85
23	Synthesis of flower-like Ag <sub>2</sub> O/BiO <sub>2</sub> COOH p-n heterojunction with enhanced visible light photocatalytic activity. Applied Surface Science, 2017, 397, 95-103.	3.1	81
24	Synthesis of Au nanoparticle-decorated carbon nitride nanorods with plasmon-enhanced photoabsorption and photocatalytic activity for removing various pollutants from water. Journal of Hazardous Materials, 2018, 344, 1188-1197.	6.5	81
25	Preparation of TiO <sub>2</sub> /Bi <sub>2</sub> WO <sub>6</sub> nanostructured heterojunctions on carbon fibers as a weaveable visible-light photocatalyst/photoelectrode. Environmental Science: Nano, 2018, 5, 327-337.	2.2	80
26	Electrodeposition and characterization of nanocrystalline cuprous oxide thin films on TiO <sub>2</sub> films. Materials Letters, 2005, 59, 434-438.	1.3	78
27	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
28	980-nm Laser-Driven Photovoltaic Cells Based on Rare-Earth Up-Converting Phosphors for Biomedical Applications. Advanced Functional Materials, 2009, 19, 3815-3820.	7.8	75
29	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
30	Low temperature cathodic electrodeposition of nanocrystalline zinc oxide thin films. Thin Solid Films, 2005, 492, 24-29.	0.8	63
31	Synthesis of ZnWO <sub>4</sub> nanorods with oxygen vacancy for efficient photocatalytic degradation of tetracycline. Progress in Natural Science: Materials International, 2018, 28, 408-415.	1.8	61
32	Adsorption of nicotine and tar from the mainstream smoke of cigarettes by oxidized carbon nanotubes. Applied Surface Science, 2006, 252, 2933-2937.	3.1	55
33	TiO <sub>2</sub> /MoS <sub>2</sub> heterojunctions-decorated carbon fibers with broad-spectrum response as weaveable photocatalyst/photoelectrode. Materials Research Bulletin, 2019, 112, 354-362.	2.7	53
34	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
35	MIL-101(Fe) nanodot-induced improvement of adsorption and photocatalytic activity of carbon fiber/TiO <sub>2</sub> -based weavable photocatalyst for removing pharmaceutical pollutants. Journal of Cleaner Production, 2021, 290, 125782.	4.6	52
36	MoS <sub>2</sub> /Bi <sub>2</sub> S <sub>3</sub> heterojunctions-decorated carbon-fiber cloth as flexible and filter-membrane-shaped photocatalyst for the efficient degradation of flowing wastewater. Journal of Alloys and Compounds, 2019, 779, 599-608.	2.8	51

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37	Construction of TiO <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> nanojunctions on carbon fiber cloth for photocatalytically removing various organic pollutants in static or flowing wastewater. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 213-221.	5.0	50
38	Synthesis of MoS <sub>2</sub> /CdS Heterostructures on Carbon Fiber Cloth as Filter-Membrane-Shaped Photocatalyst for Purifying the Flowing Wastewater under Visible Light Illumination. <i>ChemCatChem</i> , 2019, 11, 2855-2863.	1.8	49
39	Synthesis of BiOBr/Ag <sub>3</sub> PO <sub>4</sub> heterojunctions on carbon-fiber cloth as filter-membrane-shaped photocatalyst for treating the flowing antibiotic wastewater. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 183-193.	5.0	49
40	Fabrication of MoS <sub>2</sub> /BiOBr heterojunctions on carbon fibers as a weavable photocatalyst for tetracycline hydrochloride degradation and Cr(VI) reduction under visible light. <i>Environmental Science: Nano</i> , 2020, 7, 2708-2722.	2.2	47
41	Synthesis of polypyrrole nanoparticles for constructing full-polymer UV/NIR-shielding film. <i>RSC Advances</i> , 2015, 5, 96888-96895.	1.7	46
42	BiOBr/Ag/AgBr heterojunctions decorated carbon fiber cloth with broad-spectral photoresponse as filter-membrane-shaped photocatalyst for the efficient purification of flowing wastewater. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 633-643.	5.0	45
43	Aramid Nanofiber Reinforced Polymer Nanocomposites via Amide-Amide Hydrogen Bonding. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2934-2945.	2.0	43
44	Fabrication of NH <sub>2</sub> -MIL-125(Ti) nanodots on carbon fiber/MoS <sub>2</sub> -based weavable photocatalysts for boosting the adsorption and photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 706-717.	5.0	43
45	Construction of C <sub>3</sub> N <sub>4</sub> /CdS nanojunctions on carbon fiber cloth as a filter-membrane-shaped photocatalyst for degrading flowing wastewater. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156743.	2.8	40
46	Construction of titanium dioxide/cadmium sulfide heterojunction on carbon fibers as weavable photocatalyst for eliminating various contaminants. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 307-317.	5.0	39
47	Visible/NIR Light-Responsive Photocatalytic Activity of C <sub>3</sub> N <sub>4</sub> @Ag <sub>2</sub> O Heterojunction-Decorated Carbon Fiber Cloth as Efficient Filter-Membrane-Shaped Photocatalyst. <i>ChemCatChem</i> , 2019, 11, 1362-1373.	1.8	38
48	Boosting the adsorption and photocatalytic activity of carbon fiber/MoS <sub>2</sub> -based weavable photocatalyst by decorating UiO-66-NH <sub>2</sub> nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 417, 128112.	6.6	38
49	Synthesis of Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped Bi <sub>2</sub> WO <sub>6</sub> nanosheets with enhanced photocatalytic activity. <i>Materials Letters</i> , 2016, 163, 16-19.	1.3	36
50	3D Printing of a self-healing, high strength, and reprocessable thermoset. <i>Polymer Chemistry</i> , 2020, 11, 6441-6452.	1.9	36
51	Fe <sub>2</sub> O <sub>3</sub> @AgBr nonwoven cloth with hierarchical nanostructures as efficient and easily recyclable macroscale photocatalysts. <i>RSC Advances</i> , 2015, 5, 10951-10959.	1.7	34
52	Novel self-healing CFRP composites with high glass transition temperatures. <i>Composites Science and Technology</i> , 2018, 168, 96-103.	3.8	32
53	Hydrothermal synthesis of graphene/TiO <sub>2</sub> /CdS nanocomposites as efficient visible-light-driven photocatalysts. <i>Materials Letters</i> , 2017, 194, 172-175.	1.3	31
54	Construction of Ag/AgCl-CN heterojunctions with enhanced photocatalytic activities for degrading contaminants in wastewater. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 25-33.	5.0	31

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55	Growth of TiO <sub>2</sub> nanorod bundles on carbon fibers as flexible and weaveable photocatalyst/photoelectrode. RSC Advances, 2015, 5, 102868-102876.	1.7	27
56	Construction of 980 nm laser-driven dye-sensitized photovoltaic cell with excellent performance for powering nanobiodevices implanted under the skin. Journal of Materials Chemistry, 2012, 22, 18156.	6.7	26
57	Synthesis of CuS nanoplate-containing PDMS film with excellent near-infrared shielding properties. RSC Advances, 2016, 6, 18881-18890.	1.7	26
58	Synthesis of NiTiO <sub>3</sub> @Bi <sub>2</sub> MoO <sub>6</sub> core-shell fiber-shaped heterojunctions as efficient and easily recyclable photocatalysts. New Journal of Chemistry, 2018, 42, 411-419.	1.4	24
59	Preparation of Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped BiOCl sheets as efficient visible-light-driven photocatalysts. Materials Letters, 2016, 179, 154-157.	1.3	23
60	Silver vanadium oxides nanobelts and their chemical reduction to silver nanobelts. Journal of Crystal Growth, 2006, 293, 404-408.	0.7	22
61	Flexible fiber-shaped CuInSe <sub>2</sub> solar cells with single-wire-structure: Design, construction and performance. Nano Energy, 2012, 1, 769-776.	8.2	21
62	Decoration of amine functionalized zirconium metal organic framework/silver iodide heterojunction on carbon fiber cloth as a filter- membrane-shaped photocatalyst for degrading antibiotics. Journal of Colloid and Interface Science, 2021, 603, 582-593.	5.0	20
63	Bismuth oxybromide/bismuth oxyiodide nanojunctions decorated on flexible carbon fiber cloth as easily recyclable photocatalyst for removing various pollutants from wastewater. Journal of Colloid and Interface Science, 2022, 608, 2660-2671.	5.0	17
64	Facile one-pot sonochemical synthesis of hydrophilic ultrasmall LaF <sub>3</sub> :Ce,Tb nanoparticles with green luminescence. Progress in Natural Science: Materials International, 2012, 22, 488-492.	1.8	15
65	Simultaneous control of morphology, phase and optical absorption of hydrophilic copper sulfide-based photothermal nanoagents through Cu/S precursor ratios. Journal of Alloys and Compounds, 2015, 648, 98-103.	2.8	15
66	Ultrasonic-induced growth of crystalline tellurium nanorods and related branched structures. Journal of Crystal Growth, 2006, 295, 69-74.	0.7	12
67	High service temperature, self-mendable thermosets networked by isocyanurate rings. Polymer, 2017, 114, 249-256.	1.8	12
68	Watermelon Flesh-Derived Carbon Aerogel with Hierarchical Porous Structure for Interfacial Solar Steam Generation. Solar Rrl, 2022, 6, .	3.1	12
69	Synthesis of Cu <sub>2</sub> ZnSnS <sub>4</sub> film by air-stable molecular-precursor ink for constructing thin film solar cells. RSC Advances, 2014, 4, 36046.	1.7	9
70	In situ growth of CuInS <sub>2</sub> nanocrystals on nanoporous TiO <sub>2</sub> film for constructing inorganic/organic heterojunction solar cells. Nanoscale Research Letters, 2013, 8, 354.	3.1	4
71	Synthesis of flexible and up-converting luminescent NaYF <sub>4</sub> :Yb,Er-PET composite film for constructing 980-nm laser-driven biopower. RSC Advances, 2016, 6, 42763-42769.	1.7	3
72	Synthesis of ultrathin g-C <sub>3</sub> N <sub>4</sub> /graphene nanocomposites with excellent visible-light photocatalytic performances. Functional Materials Letters, 2019, 12, 1950025.	0.7	3

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73	Isocyanurate transformation induced healing of isocyanurate-oxazolidone polymers. Journal of Applied Polymer Science, 2020, 137, 48698.	1.3	1
74	Synthesis of Cu <sub>2</sub> (OH)PO <sub>4</sub> superstructures with NIR-laser enhanced photocatalytic activity. Functional Materials Letters, 2020, 13, 2050015.	0.7	1