

Lisha Zhang

List of Publications by Year in descending order

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66
papers

9,345
citations

76196

40
h-index

98622

67
g-index

67
all docs

67
docs citations

67
times ranked

10424
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 ₂ WO ₆ 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 ₂ WO ₆ superstructures as high performance visible-light driven photocatalysts. <i>Journal of Materials Chemistry</i> , 2007, 17, 2526.	6.7	439
4	Ultrathin PEGylated W ₁₈ O ₄₉ 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 ₂ O ₃ 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 ₄ photocatalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 252, 120-124.	4.8	340
7	AgBr-Ag-Bi ₂ WO ₆ 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 ₄ 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 ₃ N ₄ /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	Ultrasonic-assisted synthesis of visible-light-induced Bi ₂ MO ₆ (M=W, Mo) photocatalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 195-200.	4.8	184
11	Synthesis of Ta ₃ N ₅ /Bi ₂ MoO ₆ core-shell fiber-shaped heterojunctions as efficient and easily recyclable photocatalysts. <i>Environmental Science: Nano</i> , 2017, 4, 1155-1167.	2.2	180
12	Electrodeposited nanoporous ZnO films exhibiting enhanced performance in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2006, 51, 5870-5875.	2.6	146
13	Growth of C ₃ N ₄ 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
14	TiO ₂ /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
15	Construction of n-TiO ₂ /p-Ag ₂ 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
16	Bi ₂ WO ₆ micro/nano-structures: Synthesis, modifications and visible-light-driven photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 1-1.	10.8	110
17	Visible-light-driven photocatalytic inactivation of Escherichia coli by magnetic Fe ₂ O ₃ -AgBr. <i>Water Research</i> , 2016, 90, 111-118.	5.3	106
18	Synthesis of BiOBr/WO ₃ heterojunctions with enhanced visible light photocatalytic activity. <i>CrystEngComm</i> , 2016, 18, 3856-3865.	1.3	104

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19	Preparation of Fenton reagent with H ₂ O ₂ generated by solar light-illuminated nano-Cu ₂ O/MWNTs composites. <i>Applied Catalysis A: General</i> , 2006, 299, 292-297.	2.2	95
20	High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34482-34489.	4.0	85
21	Preparation of TiO ₂ /C ₃ N ₄ heterojunctions on carbon-fiber cloth as efficient filter-membrane-shaped photocatalyst for removing various pollutants from the flowing wastewater. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 798-807.	5.0	85
22	Synthesis of flower-like Ag ₂ O/BiO ₂ COOH p-n heterojunction with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017, 397, 95-103.	3.1	81
23	Synthesis of Au nanoparticle-decorated carbon nitride nanorods with plasmon-enhanced photoabsorption and photocatalytic activity for removing various pollutants from water. <i>Journal of Hazardous Materials</i> , 2018, 344, 1188-1197.	6.5	81
24	Preparation of TiO ₂ /Bi ₂ WO ₆ nanostructured heterojunctions on carbon fibers as a weaveable visible-light photocatalyst/photoelectrode. <i>Environmental Science: Nano</i> , 2018, 5, 327-337.	2.2	80
25	Electrodeposition and characterization of nanocrystalline cuprous oxide thin films on TiO ₂ films. <i>Materials Letters</i> , 2005, 59, 434-438.	1.3	78
26	Flower-like Bi ₂ S ₃ /Bi ₂ MoO ₆ heterojunction superstructures with enhanced visible-light-driven photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 75081-75088.	1.7	78
27	980-nm Laser-Driven Photovoltaic Cells Based on Rare-Earth Up-Converting Phosphors for Biomedical Applications. <i>Advanced Functional Materials</i> , 2009, 19, 3815-3820.	7.8	75
28	Surface decoration of Bi ₂ WO ₆ superstructures with Bi ₂ O ₃ nanoparticles: an efficient method to improve visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 9011.	1.3	75
29	Low temperature cathodic electrodeposition of nanocrystalline zinc oxide thin films. <i>Thin Solid Films</i> , 2005, 492, 24-29.	0.8	63
30	Synthesis of ZnWO ₄ ^x nanorods with oxygen vacancy for efficient photocatalytic degradation of tetracycline. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 408-415.	1.8	61
31	TiO ₂ /MoS ₂ heterojunctions-decorated carbon fibers with broad-spectrum response as weaveable photocatalyst/photoelectrode. <i>Materials Research Bulletin</i> , 2019, 112, 354-362.	2.7	53
32	Ta ₃ N ₅ -Pt nonwoven cloth with hierarchical nanopores as efficient and easily recyclable macroscale photocatalysts. <i>Scientific Reports</i> , 2014, 4, 3978.	1.6	52
33	MIL-101(Fe) nanodot-induced improvement of adsorption and photocatalytic activity of carbon fiber/TiO ₂ -based weavable photocatalyst for removing pharmaceutical pollutants. <i>Journal of Cleaner Production</i> , 2021, 290, 125782.	4.6	52
34	MoS ₂ /Bi ₂ S ₃ heterojunctions-decorated carbon-fiber cloth as flexible and filter-membrane-shaped photocatalyst for the efficient degradation of flowing wastewater. <i>Journal of Alloys and Compounds</i> , 2019, 779, 599-608.	2.8	51
35	Construction of TiO ₂ /Ag ₃ PO ₄ 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
36	Synthesis of MoS ₂ /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

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37	Synthesis of BiOBr/Ag ₃ PO ₄ 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
38	Fabrication of MoS ₂ /BiOBr heterojunctions on carbon fibers as a weaveable photocatalyst for tetracycline hydrochloride degradation and Cr(VI) reduction under visible light. <i>Environmental Science: Nano</i> , 2020, 7, 2708-2722.	2.2	47
39	Synthesis of polypyrrole nanoparticles for constructing full-polymer UV/NIR-shielding film. <i>RSC Advances</i> , 2015, 5, 96888-96895.	1.7	46
40	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
41	Fabrication of NH ₂ -MIL-125(Ti) nanodots on carbon fiber/MoS ₂ -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
42	Construction of C ₃ N ₄ /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
43	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
44	Visible/NIR Light-Responsive Photocatalytic Activity of C ₃ N ₄ @Ag ₂ O Heterojunction-Decorated Carbon Fiber Cloth as Efficient Filter-Membrane-Shaped Photocatalyst. <i>ChemCatChem</i> , 2019, 11, 1362-1373.	1.8	38
45	Boosting the adsorption and photocatalytic activity of carbon fiber/MoS ₂ -based weavable photocatalyst by decorating UiO-66-NH ₂ nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 417, 128112.	6.6	38
46	Synthesis of Yb ³⁺ /Er ³⁺ co-doped Bi ₂ WO ₆ nanosheets with enhanced photocatalytic activity. <i>Materials Letters</i> , 2016, 163, 16-19.	1.3	36
47	Fe ₂ O ₃ @AgBr nonwoven cloth with hierarchical nanostructures as efficient and easily recyclable macroscale photocatalysts. <i>RSC Advances</i> , 2015, 5, 10951-10959.	1.7	34
48	Hydrothermal synthesis of graphene/TiO ₂ /CdS nanocomposites as efficient visible-light-driven photocatalysts. <i>Materials Letters</i> , 2017, 194, 172-175.	1.3	31
49	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
50	Growth of TiO ₂ nanorod bundles on carbon fibers as flexible and weavable photocatalyst/photoelectrode. <i>RSC Advances</i> , 2015, 5, 102868-102876.	1.7	27
51	Construction of 980 nm laser-driven dye-sensitized photovoltaic cell with excellent performance for powering nanobiodevices implanted under the skin. <i>Journal of Materials Chemistry</i> , 2012, 22, 18156.	6.7	26
52	Synthesis of CuS nanoplate-containing PDMS film with excellent near-infrared shielding properties. <i>RSC Advances</i> , 2016, 6, 18881-18890.	1.7	26
53	Synthesis of NiTiO ₃ @Bi ₂ MoO ₆ core-shell fiber-shaped heterojunctions as efficient and easily recyclable photocatalysts. <i>New Journal of Chemistry</i> , 2018, 42, 411-419.	1.4	24
54	Preparation of Yb ³⁺ /Er ³⁺ co-doped BiOCl sheets as efficient visible-light-driven photocatalysts. <i>Materials Letters</i> , 2016, 179, 154-157.	1.3	23

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55	Flexible fiber-shaped CuInSe ₂ solar cells with single-wire-structure: Design, construction and performance. <i>Nano Energy</i> , 2012, 1, 769-776.	8.2	21
56	Decoration of amine functionalized zirconium metal organic framework/silver iodide heterojunction on carbon fiber cloth as a filter- membrane-shaped photocatalyst for degrading antibiotics. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 582-593.	5.0	20
57	Bismuth oxybromide/bismuth oxyiodide nanojunctions decorated on flexible carbon fiber cloth as easily recyclable photocatalyst for removing various pollutants from wastewater. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2660-2671.	5.0	17
58	Facile one-pot sonochemical synthesis of hydrophilic ultrasmall LaF ₃ :Ce,Tb nanoparticles with green luminescence. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 488-492.	1.8	15
59	Simultaneous control of morphology, phase and optical absorption of hydrophilic copper sulfide-based photothermal nanoagents through Cu/S precursor ratios. <i>Journal of Alloys and Compounds</i> , 2015, 648, 98-103.	2.8	15
60	Watermelon Flesh-Derived Carbon Aerogel with Hierarchical Porous Structure for Interfacial Solar Steam Generation. <i>Solar Rrl</i> , 2022, 6, .	3.1	12
61	Synthesis of Cu ₂ ZnSnS ₄ film by air-stable molecular-precursor ink for constructing thin film solar cells. <i>RSC Advances</i> , 2014, 4, 36046.	1.7	9
62	Growth of Cu ₂ O Spherical Superstructures on g-C ₃ N ₄ as Efficient Visible-Light-Driven Heterojunction Photocatalysts for Degrading Various Organic Pollutants. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7355-7363.	0.9	9
63	In situ growth of CuInS ₂ nanocrystals on nanoporous TiO ₂ film for constructing inorganic/organic heterojunction solar cells. <i>Nanoscale Research Letters</i> , 2013, 8, 354.	3.1	4
64	Synthesis of flexible and up-converting luminescent NaYF ₄ :Yb,Er-PET composite film for constructing 980-nm laser-driven biopower. <i>RSC Advances</i> , 2016, 6, 42763-42769.	1.7	3
65	Synthesis of ultrathin g-C ₃ N ₄ /graphene nanocomposites with excellent visible-light photocatalytic performances. <i>Functional Materials Letters</i> , 2019, 12, 1950025.	0.7	3
66	Synthesis of Cu ₂ (OH)PO ₄ superstructures with NIR-laser enhanced photocatalytic activity. <i>Functional Materials Letters</i> , 2020, 13, 2050015.	0.7	1