

Jianshe Liu

List of Publications by Year in descending order

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99
papers

7,910
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76294

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49868

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99
docs citations

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times ranked

9163
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile construction of novel organic-inorganic tetra (4-carboxyphenyl) porphyrin/Bi ₂ MoO ₆ heterojunction for tetracycline degradation: Performance, degradation pathways, intermediate toxicity analysis and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 727-740.	5.0	176
2	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
3	Performance of UV/acetylacetone process for saline dye wastewater treatment: Kinetics and mechanism. <i>Journal of Hazardous Materials</i> , 2021, 406, 124774.	6.5	17
4	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
5	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
6	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
7	Co-metabolic degradation of refractory dye: A metagenomic and metaproteomic study. <i>Environmental Pollution</i> , 2020, 256, 113456.	3.7	26
8	A novel 3D Z-scheme heterojunction photocatalyst: Ag ₆ Si ₂ O ₇ anchored on flower-like Bi ₂ WO ₆ and its excellent photocatalytic performance for the degradation of toxic pharmaceutical antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 529-541.	3.0	121
9	Is addition of reductive metals (Mo, W) a panacea for accelerating transition metals-mediated peroxydisulfate activation?. <i>Journal of Hazardous Materials</i> , 2020, 386, 121877.	6.5	44
10	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
11	Fabrication of MoS ₂ /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
12	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
13	Spatial and seasonal variations and risk assessment for heavy metals in surface sediments of the largest river-embedded reservoir in China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35556-35566.	2.7	13
14	The key factors and removal mechanisms of sulfadimethoxazole and oxytetracycline by coagulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16167-16176.	2.7	9
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	Deciphering the mechanism of carbon sources inhibiting recolorization in the removal of refractory dye: Based on an untargeted LC-MS metabolomics approach. <i>Bioresource Technology</i> , 2020, 307, 123248.	4.8	12
17	The enhanced degradation and detoxification of chlortetracycline by <i>Chlamydomonas reinhardtii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110552.	2.9	20
18	Tea Residue Boosts Dye Decolorization and Induces the Evolution of Bacterial Community. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	3

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19	Sugar sources as Co-substrates promoting the degradation of refractory dye: A comparative study. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109613.	2.9	16
20	An often-overestimated adverse effect of halides in heat/persulfate-based degradation of wastewater contaminants. <i>Environment International</i> , 2019, 130, 104918.	4.8	36
21	Unveiling the activating mechanism of tea residue for boosting the biological decolorization performance of refractory dye. <i>Chemosphere</i> , 2019, 233, 110-119.	4.2	12
22	Chlorine incorporation into dye degradation by-product (coumarin) in UV/peroxymonosulfate process: A negative case of end-of-pipe treatment. <i>Chemosphere</i> , 2019, 229, 374-382.	4.2	25
23	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
24	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
25	Fructose as an additional co-metabolite promotes refractory dye degradation: Performance and mechanism. <i>Bioresource Technology</i> , 2019, 280, 430-440.	4.8	35
26	Removal of active dyes by ultrafiltration membrane pre-deposited with a PSFM coagulant: Performance and mechanism. <i>Chemosphere</i> , 2019, 223, 204-210.	4.2	16
27	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
28	Preparation and evaluation of a hierarchical Bi ₂ MoO ₆ /MSB composite for visible-light-driven photocatalytic performance. <i>RSC Advances</i> , 2019, 9, 38280-38288.	1.7	8
29	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
30	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
31	Electroactive Modified Carbon Nanotube Filter for Simultaneous Detoxification and Sequestration of Sb(III). <i>Environmental Science & Technology</i> , 2019, 53, 1527-1535.	4.6	111
32	Performance and microbial protein expression during anaerobic treatment of alkali-decrement wastewater using a strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2019, 273, 40-48.	4.8	3
33	On peroxymonosulfate-based treatment of saline wastewater: when phosphate and chloride co-exist. <i>RSC Advances</i> , 2018, 8, 13865-13870.	1.7	26
34	Peroxymonosulfate/base process in saline wastewater treatment: The fight between alkalinity and chloride ions. <i>Chemosphere</i> , 2018, 199, 84-88.	4.2	93
35	Illumina MiSeq sequencing reveals microbial community in HA process for dyeing wastewater treatment fed with different co-substrates. <i>Chemosphere</i> , 2018, 201, 578-585.	4.2	39
36	Preparation and properties of chitosan-metal complex: Some factors influencing the adsorption capacity for dyes in aqueous solution. <i>Journal of Environmental Sciences</i> , 2018, 66, 301-309.	3.2	48

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37	Smartphone-based colorimetric chiral recognition of ibuprofen using aptamers-capped gold nanoparticles. <i>Electrophoresis</i> , 2018, 39, 486-495.	1.3	22
38	Synthesis of Flower-Like AgI/BiO ₂ COOH 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
39	Facile Synthesis of Bi ₂ MoO ₆ Microspheres Decorated by CdS Nanoparticles with Efficient Photocatalytic Removal of Levofloxacin Antibiotic. <i>Catalysts</i> , 2018, 8, 477.	1.6	11
40	Iron Plaque: A Barrier Layer to the Uptake and Translocation of Copper Oxide Nanoparticles by Rice Plants. <i>Environmental Science & Technology</i> , 2018, 52, 12244-12254.	4.6	74
41	Hierarchical heterostructures of Bi ₂ MoO ₆ microflowers decorated with Ag ₂ CO ₃ nanoparticles for efficient visible-light-driven photocatalytic removal of toxic pollutants. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2297-2305.	1.5	15
42	Treatment of industrial dyeing wastewater with a pilot-scale strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2018, 264, 154-162.	4.8	63
43	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
44	Ag ₂ WO ₄ 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
45	Facile Preparation of Nano-Bi ₂ MoO ₆ /Diatomite Composite for Enhancing Photocatalytic Performance under Visible Light Irradiation. <i>Materials</i> , 2018, 11, 267.	1.3	19
46	Ag ₃ VO ₄ Nanoparticles Decorated Bi ₂ O ₂ CO ₃ 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
47	Comparative study of antiestrogenic activity of two dyes after Fenton oxidation and biological degradation. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 416-424.	2.9	31
48	Deciphering the degradation/chlorination mechanisms of maleic acid in the Fe(II)/peroxymonosulfate process: An often overlooked effect of chloride. <i>Water Research</i> , 2018, 145, 453-463.	5.3	73
49	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
50	Significantly enhanced base activation of peroxymonosulfate by polyphosphates: Kinetics and mechanism. <i>Chemosphere</i> , 2017, 173, 529-534.	4.2	96
51	Facile synthesis of Fe ₂ O ₃ nanoparticles anchored on Bi ₂ MoO ₆ microflowers with improved visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 93-101.	5.0	96
52	Facile synthesis of flower-like Ag ₃ VO ₄ /Bi ₂ WO ₆ heterojunction with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 156-163.	5.0	152
53	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
54	Trace bromide ion impurity leads to formation of chlorobromoaromatic by-products in peroxymonosulfate-based oxidation of chlorophenols. <i>Chemosphere</i> , 2017, 182, 624-629.	4.2	16

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55	On the kinetics of organic pollutant degradation with Co ²⁺ /peroxymonosulfate process: When ammonium meets chloride. <i>Chemosphere</i> , 2017, 179, 331-336.	4.2	37
56	Both degradation and AOX accumulation are significantly enhanced in UV/peroxymonosulfate/4-chlorophenol/Cl ⁻ system: two sides of the same coin?. <i>RSC Advances</i> , 2017, 7, 12318-12321.	1.7	33
57	Seawater desalination with solar-energy-integrated vacuum membrane distillation system. <i>Journal of Water Reuse and Desalination</i> , 2017, 7, 16-24.	1.2	6
58	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
59	Biopolymer-induced morphology control of brushite for enhanced defluorination of drinking water. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 207-215.	5.0	15
60	Effects of chloride on PMS-based pollutant degradation: A substantial discrepancy between dyes and their common decomposition intermediate (phthalic acid). <i>Chemosphere</i> , 2017, 187, 338-346.	4.2	45
61	Chemical instability of graphene oxide following exposure to highly reactive radicals in advanced oxidation processes. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 51-58.	5.0	20
62	Performance and microbial community structures of hydrolysis acidification process treating azo and anthraquinone dyes in different stages. <i>Environmental Science and Pollution Research</i> , 2017, 24, 252-263.	2.7	28
63	A Novel Heterostructure of BiOI Nanosheets Anchored onto MWCNTs with Excellent Visible-Light Photocatalytic Activity. <i>Nanomaterials</i> , 2017, 7, 22.	1.9	45
64	Transformation of CuO Nanoparticles in the Aquatic Environment: Influence of pH, Electrolytes and Natural Organic Matter. <i>Nanomaterials</i> , 2017, 7, 326.	1.9	89
65	Al-Doped chitosan nonwoven in a novel adsorption reactor with a cylindrical sleeve for dye removal: performance and mechanism of action. <i>RSC Advances</i> , 2016, 6, 110935-110942.	1.7	7
66	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
67	A comparison of ZnS and ZnSe passivation layers on CdS/CdSe co-sensitized quantum dot solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14773-14780.	5.2	70
68	Synthesis of BiOBr/WO ₃ heterojunctions with enhanced visible light photocatalytic activity. <i>CrystEngComm</i> , 2016, 18, 3856-3865.	1.3	104
69	Is UV/Ce(IV) process a chloride-resistant AOPs for organic pollutants decontamination?. <i>RSC Advances</i> , 2016, 6, 93558-93563.	1.7	7
70	Importance of reagent addition order in contaminant degradation in an Fe(II)/PMS system. <i>RSC Advances</i> , 2016, 6, 70271-70276.	1.7	39
71	Comparison of UV/hydrogen peroxide and UV/peroxydisulfate processes for the degradation of humic acid in the presence of halide ions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4778-4785.	2.7	42
72	Characteristics of estrogenic/antiestrogenic activities during the anoxic/aerobic biotreatment process of simulated textile dyeing wastewater. <i>RSC Advances</i> , 2016, 6, 25624-25632.	1.7	7

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73	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
74	Enhanced AOX accumulation and aquatic toxicity during 2,4,6-trichlorophenol degradation in a Co(II)/peroxymonosulfate/Cl ⁻ system. <i>Chemosphere</i> , 2016, 144, 2415-2420.	4.2	72
75	Transformations of chloro and nitro groups during the peroxymonosulfate-based oxidation of 4-chloro-2-nitrophenol. <i>Chemosphere</i> , 2015, 134, 446-451.	4.2	100
76	Coprecipitated arsenate inhibits thermal transformation of 2-line ferrihydrite: Implications for long-term stability of ferrihydrite. <i>Chemosphere</i> , 2015, 122, 88-93.	4.2	38
77	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
78	Fe-catalyzed photoreduction of Cr(VI) with dicarboxylic acid (C ₂ @C ₅): divergent reaction pathways. <i>Desalination and Water Treatment</i> , 2015, 56, 1020-1028.	1.0	7
79	Enhanced catalytic ability of chitosan@Cu@Fe bimetal complex for the removal of dyes in aqueous solution. <i>RSC Advances</i> , 2015, 5, 90731-90741.	1.7	58
80	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
81	Characteristics, Process Parameters, and Inner Components of Anaerobic Bioreactors. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	71
82	Distinct effects of oxalate versus malonate on the iron redox chemistry: Implications for the photo-Fenton reaction. <i>Chemosphere</i> , 2014, 103, 354-358.	4.2	26
83	A novel photosensitized Fenton reaction catalyzed by sandwiched iron in synthetic nontronite. <i>RSC Advances</i> , 2014, 4, 12958.	1.7	30
84	Diverse redox chemistry of photo/ferrioxalate system. <i>RSC Advances</i> , 2014, 4, 44654-44658.	1.7	22
85	Peroxymonosulfate activation by phosphate anion for organics degradation in water. <i>Chemosphere</i> , 2014, 117, 582-585.	4.2	186
86	Semiconductor heterojunction photocatalysts: design, construction, and photocatalytic performances. <i>Chemical Society Reviews</i> , 2014, 43, 5234.	18.7	3,257
87	Fenton-like Degradation of Reactive Dyes Catalyzed by Biogenic Jarosite. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	0
88	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
89	Effects of dietary Europium complex and Europium(III) on cultured pearl colour in the pearl oyster <i>Pinctada martensii</i> . <i>Aquaculture Research</i> , 2013, 44, 1300-1306.	0.9	9
90	p-Nitrophenol Enhanced Degradation in High-Voltage Pulsed Corona Discharges Combined with Ozone System. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 1053-1062.	1.1	13

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91	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
92	Bioleaching of Arsenic-Rich Gold Concentrates by Bacterial Flora before and after Mutation. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	6
93	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
94	A Highly Sensitive Electrochemical Impedance Spectroscopy Immunosensor for Determination of 1- β -Pyrenebutyric Acid Based on the Bifunctionality of Nafion/Gold Nanoparticles Composite Electrode. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1155-1162.	2.6	11
95	Electrochemical synthesis of silver nanoparticles-coated gold nanoporous film electrode and its application to amperometric detection for trace Cr(VI). <i>Science China Chemistry</i> , 2011, 54, 1004-1010.	4.2	18
96	Sensitive Voltammetric Detection of Trace Heavy Metals in Real Water Using Multi-Wall Carbon Nanotubes/Nafion Composite Film Electrode. <i>Chinese Journal of Chemistry</i> , 2011, 29, 805-812.	2.6	28
97	A Simple and Sensitive Method for the Detection of Trace Pb(II) and Cd(II) based on Nafion-coated Antimony Film Electrode. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2287-2292.	2.6	15
98	Ferrous ions inhibit Cu uptake and accumulation via inducing iron plaque and regulating the metabolism of rice plants exposed to CuO nanoparticles. <i>Environmental Science: Nano</i> , 0, , .	2.2	5
99	Insights into effect of chloride ion on the degradation of 4-bromo-2-chlorophenol by sulphate radical-based oxidation process. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-15.	1.8	1