

Yiyong Li

List of Publications by Year in descending order

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89
papers

3,730
citations

101543

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138484

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89
times ranked

4182
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Cu ²⁺ , Cd ²⁺ and Ni ²⁺ from aqueous single metal solutions on graphene oxide membranes. <i>Journal of Hazardous Materials</i> , 2015, 297, 251-260.	12.4	295
2	Research progress on distribution, migration, transformation of antibiotics and antibiotic resistance genes (ARGs) in aquatic environment. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 1195-1208.	9.0	169
3	Shape effect on the antibacterial activity of silver nanoparticles synthesized via a microwave-assisted method. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4489-4497.	5.3	162
4	Removal of heavy metal ions from aqueous solution by zeolite synthesized from fly ash. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2778-2788.	5.3	160
5	Enhanced degradation of triclosan by cobalt manganese spinel-type oxide activated peroxymonosulfate oxidation process via sulfate radicals and singlet oxygen: Mechanisms and intermediates identification. <i>Science of the Total Environment</i> , 2020, 711, 134715.	8.0	126
6	Simultaneous nitrification and denitrification without nitrite accumulation by a novel isolated <i>Ochrobactrum anthropic</i> LJ81. <i>Bioresource Technology</i> , 2019, 272, 442-450.	9.6	116
7	Ru ²⁺ /NPC and NPC@RuO ₂ Synthesized via Environmentally Friendly and Solid-Phase Phosphating Process by <i>Saccharomyces</i> as N/P Sources and Carbon Template for Overall Water Splitting in Acid Electrolyte. <i>Advanced Functional Materials</i> , 2019, 29, 1901154.	14.9	112
8	The occurrence and abundance of microplastics in surface water and sediment of the West River downstream, in the south of China. <i>Science of the Total Environment</i> , 2021, 756, 143857.	8.0	102
9	Recovery of phosphorus and nitrogen from alkaline hydrolysis supernatant of excess sludge by magnesium ammonium phosphate. <i>Bioresource Technology</i> , 2014, 166, 1-8.	9.6	95
10	Simultaneous degradation of tetracycline and denitrification by a novel bacterium, <i>Klebsiella</i> sp. SQY5. <i>Chemosphere</i> , 2018, 209, 35-43.	8.2	92
11	Removal of tetracycline and oxytetracycline from water by magnetic Fe ₃ O ₄ @graphene. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2987-2995.	5.3	84
12	Intra/extracellular electron transfer for aerobic denitrification mediated by in-situ biosynthesis palladium nanoparticles. <i>Water Research</i> , 2021, 189, 116612.	11.3	72
13	Distribution and characteristics of microplastics in the basin of Chishui River in Renhuai, China. <i>Science of the Total Environment</i> , 2021, 773, 145591.	8.0	71
14	Bacterial effects and interfacial inactivation mechanism of nZVI/Pd on <i>Pseudomonas putida</i> strain. <i>Water Research</i> , 2017, 115, 297-308.	11.3	69
15	Sorption/desorption behavior of triclosan in sediment-water-rhamnolipid systems: Effects of pH, ionic strength, and DOM. <i>Journal of Hazardous Materials</i> , 2015, 297, 59-65.	12.4	66
16	Biodegradation of oxytetracycline and electricity generation in microbial fuel cell with in situ dual graphene modified bioelectrode. <i>Bioresource Technology</i> , 2018, 270, 482-488.	9.6	65
17	High mesoporosity phosphorus-containing biochar fabricated from <i>Camellia oleifera</i> shells: Impressive tetracycline adsorption performance and promotion of pyrophosphate-like surface functional groups (C-O-P bond). <i>Bioresource Technology</i> , 2021, 329, 124922.	9.6	63
18	Filtration and Electrochemical Disinfection Performance of PAN/PANI/AgNWs-CC Composite Nanofiber Membrane. <i>Environmental Science & Technology</i> , 2017, 51, 6395-6403.	10.0	62

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19	Biodegradation mechanism of tetracycline (TEC) by strain <i>Klebsiella</i> sp. SQY5 as revealed through products analysis and genomics. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109676.	6.0	56
20	Immobilization of laccase onto meso-MIL-53(Al) via physical adsorption for the catalytic conversion of triclosan. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109670.	6.0	55
21	Ultrafast Nanofiltration through Large-Area Single-Layered Graphene Membranes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9239-9244.	8.0	54
22	Bacterial community shift and improved performance induced by in situ preparing dual graphene modified bioelectrode in microbial fuel cell. <i>Bioresource Technology</i> , 2017, 238, 273-280.	9.6	53
23	Bacterial community shift and incurred performance in response to in situ microbial self-assembly graphene and polarity reversion in microbial fuel cell. <i>Bioresource Technology</i> , 2017, 241, 220-227.	9.6	50
24	Sequential decolorization of azo dye and mineralization of decolorization liquid coupled with bioelectricity generation using a pH self-neutralized photobioelectrochemical system operated with polarity reversion. <i>Journal of Hazardous Materials</i> , 2015, 289, 108-117.	12.4	49
25	Enhanced adsorption performance of MoS ₂ nanosheet-coated MIL-101 hybrids for the removal of aqueous rhodamine B. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 39-47.	9.4	49
26	Carbon selection for nitrogen degradation pathway by <i>Stenotrophomonas maltophilia</i> : Based on the balances of nitrogen, carbon and electron. <i>Bioresource Technology</i> , 2019, 294, 122114.	9.6	48
27	Micro/macrostructure and multicomponent design of catalysts by MOF-derived strategy: Opportunities for the application of nanomaterials-based advanced oxidation processes in wastewater treatment. <i>Science of the Total Environment</i> , 2022, 804, 150096.	8.0	47
28	Adsorption of Cu ²⁺ and Cd ²⁺ from aqueous solution by novel electrospun poly(vinyl alcohol)/graphene oxide nanofibers. <i>RSC Advances</i> , 2016, 6, 79641-79650.	3.6	45
29	Action of oxytetracycline (OTC) degrading bacterium and its application in Moving Bed Biofilm Reactor (MBBR) for aquaculture wastewater pre-treatment. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 833-842.	6.0	45
30	Effects of various antibiotics on aerobic nitrogen removal and antibiotic degradation performance: Mechanism, degradation pathways, and microbial community evolution. <i>Journal of Hazardous Materials</i> , 2022, 422, 126818.	12.4	45
31	Enhanced performance of microbial fuel cell with in situ preparing dual graphene modified bioelectrode. <i>Bioresource Technology</i> , 2017, 241, 735-742.	9.6	43
32	Synergistic effects in iron-copper bimetal doped mesoporous γ -Al ₂ O ₃ for Fenton-like oxidation of 4-chlorophenol: Structure, composition, electrochemical behaviors and catalytic performance. <i>Chemosphere</i> , 2018, 203, 442-449.	8.2	42
33	Application of a heavy metal-resistant <i>Achromobacter</i> sp. for the simultaneous immobilization of cadmium and degradation of sulfamethoxazole from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 402, 124032.	12.4	41
34	Simultaneous sulfamethoxazole biodegradation and nitrogen conversion by <i>Achromobacter</i> sp. JL9 using with different carbon and nitrogen sources. <i>Bioresource Technology</i> , 2019, 293, 122061.	9.6	40
35	Effectively enhanced photodegradation of Bisphenol A by in-situ g-C ₃ N ₄ -Zn/Bi ₂ WO ₆ heterojunctions and mechanism study. <i>Chemosphere</i> , 2020, 246, 125782.	8.2	40
36	Rhamnolipid-enhanced aerobic biodegradation of triclosan (TCS) by indigenous microorganisms in water-sediment systems. <i>Science of the Total Environment</i> , 2016, 571, 1304-1311.	8.0	38

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37	Effects of carbon source, nitrogen source, and natural algal powder-derived carbon source on biodegradation of tetracycline (TEC). <i>Bioresource Technology</i> , 2019, 288, 121567.	9.6	37
38	Bioaugmentation of Moving Bed Biofilm Reactor (MBBR) with <i>Achromobacter</i> JL9 for enhanced sulfamethoxazole (SMX) degradation in aquaculture wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111258.	6.0	37
39	Treatment of Ni-EDTA containing wastewater by electrocoagulation using iron scraps packed-bed anode. <i>Chemosphere</i> , 2016, 164, 304-313.	8.2	36
40	Simultaneous Cr(VI) reduction and electricity generation in Plant-Sediment Microbial Fuel Cells (P-SMFCs): Synthesis of non-bonding Co ₃ O ₄ nanowires onto cathodes. <i>Environmental Pollution</i> , 2019, 247, 647-657.	7.5	35
41	Silver nanowire-carbon fiber cloth nanocomposites synthesized by UV curing adhesive for electrochemical point-of-use water disinfection. <i>Chemosphere</i> , 2016, 154, 537-545.	8.2	34
42	Simultaneous sulfamethoxazole biodegradation and nitrogen conversion in low C/N ratio pharmaceutical wastewater by <i>Achromobacter</i> sp. JL9. <i>Science of the Total Environment</i> , 2020, 703, 135586.	8.0	34
43	Water Quality and Microbial Community Changes in an Urban River after Micro-Nano Bubble Technology in Situ Treatment. <i>Water (Switzerland)</i> , 2019, 11, 66.	2.7	33
44	Effects of an organic carbon source on the coupling of sulfur(thiosulfate)-driven denitration with Anammox process. <i>Bioresource Technology</i> , 2021, 335, 125280.	9.6	31
45	Interaction among multiple microorganisms and effects of nitrogen and carbon supplementations on lignin degradation. <i>Bioresource Technology</i> , 2014, 155, 144-151.	9.6	30
46	Enhanced performance of sulfamethoxazole degradation using <i>Achromobacter</i> sp. JL9 with in-situ generated biogenic manganese oxides. <i>Bioresource Technology</i> , 2021, 333, 125089.	9.6	30
47	Enhanced degradation of diclofenac with Ru/Fe modified anode microbial fuel cell: Kinetics, pathways and mechanisms. <i>Bioresource Technology</i> , 2020, 300, 122703.	9.6	29
48	Effect of calcination temperature on the properties of Ti/SnO ₂ -Sb anode and its performance in Ni-EDTA electrochemical degradation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11683-11693.	5.3	28
49	Comparison of Different Enhanced Coagulation Methods for Azo Dye Removal from Wastewater. <i>Sustainability</i> , 2019, 11, 4760.	3.2	28
50	Impact of microwave power on the preparation of silver nanowires via a microwave-assisted method. <i>RSC Advances</i> , 2013, 3, 8431.	3.6	26
51	Novel AgNWs-PAN/TPU membrane for point-of-use drinking water electrochemical disinfection. <i>Science of the Total Environment</i> , 2018, 637-638, 408-417.	8.0	26
52	The effects of Fe ²⁺ on sulfur-oxidizing bacteria (SOB) driven autotrophic denitriification. <i>Journal of Hazardous Materials</i> , 2019, 373, 359-366.	12.4	26
53	SWNTs-PAN/TPU/PANI composite electrospun nanofiber membrane for point-of-use efficient electrochemical disinfection: New strategy of CNT disinfection. <i>Chemosphere</i> , 2020, 251, 126286.	8.2	26
54	In-situ fabrication of ionic liquids/MIL-68(In)-NH ₂ photocatalyst for improving visible-light photocatalytic degradation of doxycycline hydrochloride. <i>Chemosphere</i> , 2022, 292, 133461.	8.2	25

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55	Electron transfer involved in bio-Pd (0) synthesis by <i>Citrobacter freundii</i> at different growth phases. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110124.	6.0	20
56	Screening pretreatment methods for sludge disintegration to selectively reclaim carbon source from surplus activated sludge. <i>Chemical Engineering Journal</i> , 2014, 255, 365-371.	12.7	19
57	Synthesis of SiO ₂ coated zero-valent iron/palladium bimetallic nanoparticles and their application in a nano-biological combined system for 2,2,4,4-tetrabromodiphenyl ether degradation. <i>RSC Advances</i> , 2016, 6, 20357-20365.	3.6	18
58	Co-N-doped MoO ₂ modified carbon felt cathode for removal of EDTA-Ni in electro-Fenton process. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22754-22765.	5.3	18
59	Positive effects of bio-nano Pd (0) toward direct electron transfer in <i>Pseudomonas putida</i> and phenol biodegradation. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 356-363.	6.0	18
60	Decomplexation efficiency and mechanism of Cu(II)-EDTA by H ₂ O ₂ coupled internal micro-electrolysis process. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1015-1025.	5.3	18
61	Prompting direct single electron transfer to produce non-radical 1O ₂ /H* by electro-activating peroxydisulfate process with core-shell cathode. <i>Journal of Environmental Management</i> , 2021, 287, 112294.	7.8	17
62	Simultaneous mineralization of 2-anilinophenylacetate and denitrification by Ru/Fe modified biocathode double-chamber microbial fuel cell. <i>Science of the Total Environment</i> , 2021, 792, 148446.	8.0	17
63	Highly efficient catalytic ozonation for ammonium in water upon γ -Al ₂ O ₃ @Fe/Mg with acidic-basic sites and oxygen vacancies. <i>Science of the Total Environment</i> , 2022, 834, 155278.	8.0	17
64	Prompting the FDH/Hases-based electron transfers during Pt(IV) reduction mediated by bio-Pd(0). <i>Journal of Hazardous Materials</i> , 2021, 417, 126090.	12.4	16
65	Biofilm evolution and viability during in situ preparation of a graphene/exoelectrogen composite biofilm electrode for a high-performance microbial fuel cell. <i>RSC Advances</i> , 2017, 7, 42172-42179.	3.6	16
66	Activation of Oxytetracycline Extracellular Degradation in <i>Bacillus megaterium</i> : Outward Transmembrane Electron Transfer and Energy Metabolism via Bio-Pd Nanoparticles. <i>ACS ES&T Water</i> , 2021, 1, 2412-2422.	4.6	15
67	Enhanced selection of micro-aerobic pentachlorophenol degrading granular sludge. <i>Journal of Hazardous Materials</i> , 2014, 280, 134-142.	12.4	14
68	Enhanced denitrification of sewage via bio-microcapsules embedding heterotrophic nitrification-aerobic denitrification bacteria <i>Acinetobacter pittii</i> SY9 and corn cob. <i>Bioresource Technology</i> , 2022, 358, 127260.	9.6	13
69	Degradation of diclofenac via sequential reduction-oxidation by Ru/Fe modified biocathode dual-chamber bioelectrochemical system: Performance, pathways and degradation mechanisms. <i>Chemosphere</i> , 2022, 291, 132881.	8.2	12
70	Selective removal and preconcentration of triclosan using a water-compatible imprinted nano-magnetic chitosan particles. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18640-18650.	5.3	11
71	Biomining of 2,2,4,4-tetrabromodiphenyl ether in a <i>Pseudomonas putida</i> and Fe/Pd nanoparticles integrated system. <i>Chemosphere</i> , 2019, 221, 301-313.	8.2	11
72	Simultaneous separation and determination of seven chelating agents using high-performance liquid chromatography based on statistics design. <i>Journal of Separation Science</i> , 2020, 43, 719-726.	2.5	11

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73	Sulfidation forwarding high-strength Anammox process using nitrate as electron acceptor via thiosulfate-driven nitrate denitratation. <i>Bioresource Technology</i> , 2022, 344, 126335.	9.6	11
74	Enhanced Ozone Oxidation by a Novel Fe/Mn@ γ -Al ₂ O ₃ Nanocatalyst: The Role of Hydroxyl Radical and Singlet Oxygen. <i>Water (Switzerland)</i> , 2022, 14, 19.	2.7	10
75	Oxytetracycline co-metabolism with denitrification/desulfurization in SRB mediated system. <i>Chemosphere</i> , 2022, 298, 134256.	8.2	9
76	Pd/RGO modified carbon felt cathode for electro-Fenton removing of EDTA-Ni. <i>Water Science and Technology</i> , 2016, 74, 639-646.	2.5	7
77	Experimental investigation on the water stability of amino-modified indium metal-organic frameworks. <i>RSC Advances</i> , 2016, 6, 61703-61706.	3.6	7
78	Synthesis, characterization, and debromination reactivity of cellulose-stabilized Pd/Fe nanoparticles for 2,2',4,4'-tetrabromodiphenyl ether. <i>PLoS ONE</i> , 2017, 12, e0174589.	2.5	7
79	Electro-activating non-radical $1O_2/H^+$ via single atom manganese modified cathode: The indispensable role of metal active site Mn*. <i>Journal of Hazardous Materials</i> , 2022, 426, 127794.	12.4	6
80	Effect of cations on the solubilization/deposition of triclosan in sediment-water-rhamnolipid system. <i>Chemosphere</i> , 2016, 159, 465-472.	8.2	4
81	Investigation of the accumulation of ash, heavy metals, and polycyclic aromatic hydrocarbons to assess the stability of lysis- ϵ -cryptic growth sludge reduction in sequencing batch reactor. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24147-24155.	5.3	4
82	Conversion Mechanisms of Carbon, Nitrogen, and Phosphorus in Ozone-Fixed-Bed and Membrane Bioreactors for Deep Treatment of Municipal Tail Water. <i>Environmental Engineering Science</i> , 2017, 34, 562-568.	1.6	3
83	CFD simulation of a swirling vortex cavitator and its degradation performance and pathway of tetracycline in aqueous solution. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 955-963.	1.1	3
84	Dissolving organic matter from low-organic sewage sludge for shortening the anaerobic digestion time. <i>RSC Advances</i> , 2018, 8, 36951-36958.	3.6	2
85	Catalytic Reduction of Nitrate by Pd/SnO ₂ Catalyst Using Formic Acid as Reducing Agent. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	1
86	Direct growth of a porous substrate on high-quality graphene <i>via in situ</i> phase inversion of a polymeric solution. <i>Nanoscale</i> , 2020, 12, 4953-4958.	5.6	1
87	Effects of Probiotic Fermented Kitchen Waste on the Growth and Propagation of Rotifer <i>Brachionus calyciflorus</i> . <i>Journal of Biobased Materials and Bioenergy</i> , 2021, 15, 83-89.	0.3	1
88	Enhancing Phosphorus Recovery and Dewaterability of Waste Activated Sludge for Combined Effect of Thermally Activated Peroxydisulfate and Struvite Precipitation. <i>Sustainability</i> , 2021, 13, 9700.	3.2	1
89	Production of a Novel Biofloculant by Culture of <i>Penicillium purpurogenum</i> HHE-P7 Using Confectionery Wastewater. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0