

Ai-Jie Wang

List of Publications by Year in descending order

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151
papers

6,622
citations

50276

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88630

70
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154
all docs

154
docs citations

154
times ranked

4894
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity and species competition regulate the resilience of microbial biofilm community. <i>Molecular Ecology</i> , 2017, 26, 6170-6182.	3.9	299
2	Graphene Modified Electro-Fenton Catalytic Membrane for in Situ Degradation of Antibiotic Florfenicol. <i>Environmental Science & Technology</i> , 2018, 52, 9972-9982.	10.0	194
3	Accelerated microbial reductive dechlorination of 2,4,6-trichlorophenol by weak electrical stimulation. <i>Water Research</i> , 2019, 162, 236-245.	11.3	181
4	Temporal-Spatial Changes in Viabilities and Electrochemical Properties of Anode Biofilms. <i>Environmental Science & Technology</i> , 2015, 49, 5227-5235.	10.0	175
5	Cathodic degradation of antibiotics: Characterization and pathway analysis. <i>Water Research</i> , 2015, 72, 281-292.	11.3	166
6	Potassium ferrate addition as an alternative pre-treatment to enhance short-chain fatty acids production from waste activated sludge. <i>Bioresource Technology</i> , 2018, 247, 174-181.	9.6	122
7	Fungal pretreatment of cornstalk with <i>Phanerochaete chrysosporium</i> for enhancing enzymatic saccharification and hydrogen production. <i>Bioresource Technology</i> , 2012, 114, 365-369.	9.6	117
8	Relationship between functional bacteria in a denitrification desulfurization system under autotrophic, heterotrophic, and mixotrophic conditions. <i>Water Research</i> , 2021, 188, 116526.	11.3	117
9	Bioaugmented hydrogen production from microcrystalline cellulose using co-culture of <i>Clostridium acetobutylicum</i> X9X9 and <i>Ethanoigenens harbinense</i> B49B49. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 912-917.	7.1	113
10	Coupled Sulfur and Iron(II) Carbonate-Driven Autotrophic Denitrification for Significantly Enhanced Nitrate Removal. <i>Environmental Science & Technology</i> , 2019, 53, 1545-1554.	10.0	110
11	Biocathodic Methanogenic Community in an Integrated Anaerobic Digestion and Microbial Electrolysis System for Enhancement of Methane Production from Waste Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4913-4921.	6.7	106
12	Enhanced short-chain fatty acids production from waste activated sludge with alkaline followed by potassium ferrate treatment. <i>Bioresource Technology</i> , 2019, 289, 121642.	9.6	106
13	Bioenergy recovery from wastewater accelerated by solar power: Intermittent electro-driving regulation and capacitive storage in biomass. <i>Water Research</i> , 2020, 175, 115696.	11.3	104
14	<i>Geobacter anodireducens</i> sp. nov., an exoelectrogenic microbe in bioelectrochemical systems. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3485-3491.	1.7	103
15	Response of chloramphenicol-reducing biocathode resistome to continuous electrical stimulation. <i>Water Research</i> , 2019, 148, 398-406.	11.3	90
16	Freezing/thawing pretreatment coupled with biological process of thermophilic <i>Geobacillus</i> sp. G1: Acceleration on waste activated sludge hydrolysis and acidification. <i>Bioresource Technology</i> , 2015, 175, 509-516.	9.6	89
17	Enhanced hydrogen production in microbial electrolysis cell with 3D self-assembly nickel foam-graphene cathode. <i>Biosensors and Bioelectronics</i> , 2016, 80, 118-122.	10.1	87
18	Microbial network for waste activated sludge cascade utilization in an integrated system of microbial electrolysis and anaerobic fermentation. <i>Biotechnology for Biofuels</i> , 2016, 9, 83.	6.2	82

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19	Azo dye decolorization in an up-flow bioelectrochemical reactor with domestic wastewater as a cost-effective yet highly efficient electron donor source. <i>Water Research</i> , 2016, 105, 520-526.	11.3	82
20	Enhanced decolorization of azo dye in a small pilot-scale anaerobic baffled reactor coupled with biocatalyzed electrolysis system (ABR&BES): A design suitable for scaling-up. <i>Bioresource Technology</i> , 2014, 163, 254-261.	9.6	81
21	Building electrode with three-dimensional macroporous interface from biocompatible polypyrrole and conductive graphene nanosheets to achieve highly efficient microbial electrocatalysis. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111444.	10.1	81
22	Functional Characterization of a Novel Amidase Involved in Biotransformation of Triclocarban and its Dehalogenated Congeners in <i>Ochrobactrum</i> sp. TCC-2. <i>Environmental Science & Technology</i> , 2017, 51, 291-300.	10.0	79
23	mcrA sequencing reveals the role of basophilic methanogens in a cathodic methanogenic community. <i>Water Research</i> , 2018, 136, 192-199.	11.3	77
24	Stimulation of oxygen to bioanode for energy recovery from recalcitrant organic matter aniline in microbial fuel cells (MFCs). <i>Water Research</i> , 2015, 81, 72-83.	11.3	76
25	Microbial community structure and function in response to the shift of sulfide/nitrate loading ratio during the denitrifying sulfide removal process. <i>Bioresource Technology</i> , 2015, 197, 227-234.	9.6	76
26	Methane production enhancement by an independent cathode in integrated anaerobic reactor with microbial electrolysis. <i>Bioresource Technology</i> , 2016, 208, 13-18.	9.6	73
27	Clarification of phosphorus fractions and phosphorus release enhancement mechanism related to pH during waste activated sludge treatment. <i>Bioresource Technology</i> , 2016, 222, 217-225.	9.6	70
28	Microbial Photoelectrotrophic Denitrification as a Sustainable and Efficient Way for Reducing Nitrate to Nitrogen. <i>Environmental Science & Technology</i> , 2017, 51, 12948-12955.	10.0	67
29	Computational and experimental analysis of organic degradation positively regulated by bioelectrochemistry in an anaerobic bioreactor system. <i>Water Research</i> , 2017, 125, 170-179.	11.3	64
30	Evaluating the health risks of heavy metals from vegetables grown on soil irrigated with untreated and treated wastewater in Arba Minch, Ethiopia. <i>Science of the Total Environment</i> , 2021, 761, 143302.	8.0	62
31	Citric acid and ethylene diamine tetra-acetic acid as effective washing agents to treat sewage sludge for agricultural reuse. <i>Waste Management</i> , 2015, 46, 440-448.	7.4	61
32	In-situ utilization of soluble microbial product (SMP) cooperated with enhancing SMP-dependent denitrification in aerobic-anoxic sequencing batch reactor. <i>Science of the Total Environment</i> , 2019, 693, 133558.	8.0	59
33	Polarity inversion of bioanode for biocathodic reduction of aromatic pollutants. <i>Journal of Hazardous Materials</i> , 2017, 331, 280-288.	12.4	58
34	Fate, risk and removal of triclocarban: A critical review. <i>Journal of Hazardous Materials</i> , 2020, 387, 121944.	12.4	54
35	UV photolysis as an efficient pretreatment method for antibiotics decomposition and their antibacterial activity elimination. <i>Journal of Hazardous Materials</i> , 2020, 392, 122321.	12.4	54
36	Micro-oxygen bioanode: An efficient strategy for enhancement of phenol degradation and current generation in mix-cultured MFCs. <i>Bioresource Technology</i> , 2018, 268, 176-182.	9.6	53

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37	Response of anaerobic digestion of waste activated sludge to residual ferric ions. <i>Bioresource Technology</i> , 2021, 322, 124536.	9.6	53
38	Occurrence, effect, and fate of residual microplastics in anaerobic digestion of waste activated sludge: A state-of-the-art review. <i>Bioresource Technology</i> , 2021, 331, 125035.	9.6	53
39	Efficient Methane Production from Beer Wastewater in a Membraneless Microbial Electrolysis Cell with a Stacked Cathode: The Effect of the Cathode/Anode Ratio on Bioenergy Recovery. <i>Energy & Fuels</i> , 2017, 31, 615-620.	5.1	52
40	Identification of biofilm formation and exoelectrogenic population structure and function with graphene/polyaniline modified anode in microbial fuel cell. <i>Chemosphere</i> , 2019, 219, 358-364.	8.2	52
41	Intermittent electro field regulated mutualistic interspecies electron transfer away from the electrodes for bioenergy recovery from wastewater. <i>Water Research</i> , 2020, 185, 116238.	11.3	52
42	Total nitrogen removal in biochar amended non-aerated vertical flow constructed wetlands for secondary wastewater effluent with low C/N ratio: Microbial community structure and dissolved organic carbon release conditions. <i>Bioresource Technology</i> , 2021, 322, 124430.	9.6	52
43	Enhanced short chain fatty acids production from waste activated sludge conditioning with typical agricultural residues: carbon source composition regulates community functions. <i>Biotechnology for Biofuels</i> , 2015, 8, 192.	6.2	51
44	Enhanced performance and microbial community analysis of bioelectrochemical system integrated with bio-contact oxidation reactor for treatment of wastewater containing azo dye. <i>Science of the Total Environment</i> , 2018, 634, 616-627.	8.0	51
45	Elevated CO ₂ and Warming Altered Grassland Microbial Communities in Soil Top-Layers. <i>Frontiers in Microbiology</i> , 2018, 9, 1790.	3.5	51
46	Freezing-low temperature treatment facilitates short-chain fatty acids production from waste activated sludge with short-term fermentation. <i>Bioresource Technology</i> , 2022, 347, 126337.	9.6	51
47	Bioreactor performance and functional gene analysis of microbial community in a limited-oxygen fed bioreactor for co-reduction of sulfate and nitrate with high organic input. <i>Journal of Hazardous Materials</i> , 2014, 278, 250-257.	12.4	49
48	Low temperature acclimation with electrical stimulation enhance the biocathode functioning stability for antibiotics detoxification. <i>Water Research</i> , 2016, 100, 157-168.	11.3	47
49	Response of antimicrobial nitrofurazone-degrading biocathode communities to different cathode potentials. <i>Bioresource Technology</i> , 2017, 241, 951-958.	9.6	46
50	Anaerobic mineralization of 2,4,6-tribromophenol to CO ₂ by a synthetic microbial community comprising <i>Clostridium</i> , <i>Dehalobacter</i> , and <i>Desulfatiglans</i> . <i>Bioresource Technology</i> , 2015, 176, 225-232.	9.6	45
51	Bioelectrochemical system for the enhancement of methane production by anaerobic digestion of alkaline pretreated sludge. <i>Bioresource Technology</i> , 2020, 304, 123000.	9.6	45
52	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H [*] . <i>Journal of Hazardous Materials</i> , 2018, 358, 294-301.	12.4	44
53	Improving biocathode community multifunctionality by polarity inversion for simultaneous bioelectroreduction processes in domestic wastewater. <i>Chemosphere</i> , 2018, 194, 553-561.	8.2	43
54	Bioremediation of contaminated urban river sediment with methanol stimulation: Metabolic processes accompanied with microbial community changes. <i>Science of the Total Environment</i> , 2019, 653, 649-657.	8.0	43

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55	Response of anodic bacterial community to the polarity inversion for chloramphenicol reduction. <i>Bioresource Technology</i> , 2016, 221, 666-670.	9.6	42
56	Performance of low temperature Microbial Fuel Cells (MFCs) catalyzed by mixed bacterial consortia. <i>Journal of Environmental Sciences</i> , 2017, 52, 284-292.	6.1	42
57	Optimal control towards sustainable wastewater treatment plants based on multi-agent reinforcement learning. <i>Chemosphere</i> , 2021, 279, 130498.	8.2	42
58	Enhanced methane production by alleviating sulfide inhibition with a microbial electrolysis coupled anaerobic digestion reactor. <i>Environment International</i> , 2020, 136, 105503.	10.0	42
59	Role of extracellular polymeric substances in enhancement of phosphorus release from waste activated sludge by rhamnolipid addition. <i>Bioresource Technology</i> , 2016, 202, 59-66.	9.6	41
60	Bio-immobilization of dark fermentative bacteria for enhancing continuous hydrogen production from cornstalk hydrolysate. <i>Bioresource Technology</i> , 2017, 243, 548-555.	9.6	41
61	Effect of temperature switchover on the degradation of antibiotic chloramphenicol by biocathode bioelectrochemical system. <i>Journal of Environmental Sciences</i> , 2014, 26, 1689-1697.	6.1	37
62	Lignocellulosic saccharification by a newly isolated bacterium, <i>Ruminiclostridium thermocellum</i> M3 and cellular cellulase activities for high ratio of glucose to cellobiose. <i>Biotechnology for Biofuels</i> , 2016, 9, 172.	6.2	37
63	Efficient regulation of elemental sulfur recovery through optimizing working height of upflow anaerobic sludge blanket reactor during denitrifying sulfide removal process. <i>Bioresource Technology</i> , 2016, 200, 1019-1023.	9.6	37
64	Increasing the bio-electrochemical system performance in azo dye wastewater treatment: Reduced electrode spacing for improved hydrodynamics. <i>Bioresource Technology</i> , 2017, 245, 962-969.	9.6	37
65	Enhanced bioelectroremediation of a complexly contaminated river sediment through stimulating electroactive degraders with methanol supply. <i>Journal of Hazardous Materials</i> , 2018, 349, 168-176.	12.4	37
66	High recycling efficiency and elemental sulfur purity achieved in a biofilm formed membrane filtration reactor. <i>Water Research</i> , 2018, 130, 1-12.	11.3	37
67	Enhanced elementary sulfur recovery with sequential sulfate-reducing, denitrifying sulfide-oxidizing processes in a cylindrical-type anaerobic baffled reactor. <i>Bioresource Technology</i> , 2015, 192, 478-485.	9.6	36
68	Bioaugmentation of activated sludge with elemental sulfur producing strain <i>Thiopseudomonas denitrificans</i> X2 against nitrate shock load. <i>Bioresource Technology</i> , 2016, 220, 647-650.	9.6	35
69	Mixed dye wastewater treatment in a bioelectrochemical system-centered process. <i>Bioresource Technology</i> , 2020, 297, 122420.	9.6	35
70	Sulfur autotrophic denitrification filter and heterotrophic denitrification filter: Comparison on denitrification performance, hydrodynamic characteristics and operating cost. <i>Environmental Research</i> , 2021, 197, 111029.	7.5	35
71	Micropollutant abatement by the UV/chloramine process in potable water reuse: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127341.	12.4	35
72	Direct hydrogen production from lignocellulose by the newly isolated <i>Thermoanaerobacterium thermosaccharolyticum</i> strain DD32. <i>RSC Advances</i> , 2015, 5, 99781-99788.	3.6	34

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73	Palladized cells as suspension catalyst and electrochemical catalyst for reductively degrading aromatics contaminants: Roles of Pd size and distribution. <i>Water Research</i> , 2017, 125, 288-297.	11.3	34
74	Elemental sulfur recovery and spatial distribution of functional bacteria and expressed genes under different carbon/nitrate/sulfide loadings in up-flow anaerobic sludge blanket reactors. <i>Journal of Hazardous Materials</i> , 2017, 324, 48-53.	12.4	33
75	Efficient azo dye wastewater treatment in a hybrid anaerobic reactor with a built-in integrated bioelectrochemical system and an aerobic biofilm reactor: Evaluation of the combined forms and reflux ratio. <i>Bioresource Technology</i> , 2019, 292, 122001.	9.6	33
76	Bioelectrochemical assisted dechlorination of tetrachloroethylene and 1,2-dichloroethane by acclimation of anaerobic sludge. <i>Chemosphere</i> , 2019, 227, 514-521.	8.2	33
77	Microbial electrolysis enhanced bioconversion of waste sludge lysate for hydrogen production compared with anaerobic digestion. <i>Science of the Total Environment</i> , 2021, 767, 144344.	8.0	33
78	Consolidated bioprocessing performance of <i>Thermoanaerobacterium thermosaccharolyticum</i> M18 on fungal pretreated cornstalk for enhanced hydrogen production. <i>Biotechnology for Biofuels</i> , 2014, 7, 178.	6.2	31
79	Investigation of colloidal biogenic sulfur flocculation: Optimization using response surface analysis. <i>Journal of Environmental Sciences</i> , 2016, 42, 227-235.	6.1	31
80	Divergent Responses of Forest Soil Microbial Communities under Elevated CO ₂ in Different Depths of Upper Soil Layers. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	31
81	Enzymatic saccharification of cornstalk by onsite cellulases produced by <i>Trichoderma viride</i> for enhanced biohydrogen production. <i>GCB Bioenergy</i> , 2013, 5, 591-598.	5.6	30
82	Combined bioaugmentation with electro-biostimulation for improved bioremediation of antimicrobial triclocarban and PAHs complexly contaminated sediments. <i>Journal of Hazardous Materials</i> , 2021, 403, 123937.	12.4	30
83	Electroactive Biofilm Serving as the Green Synthesizer and Stabilizer for <i>In Situ</i> Fabricating 3D Nanopalladium Network: An Efficient Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5392-5397.	6.7	29
84	Enhanced biohydrogen production from nutrient-free anaerobic fermentation medium with edible fungal pretreated rice straw. <i>RSC Advances</i> , 2018, 8, 22924-22930.	3.6	29
85	Characterization of an efficient chloramphenicol-mineralizing bacterial consortium. <i>Chemosphere</i> , 2019, 222, 149-155.	8.2	29
86	Mutual effect between electrochemically active bacteria (EAB) and azo dye in bio-electrochemical system (BES). <i>Chemosphere</i> , 2020, 239, 124787.	8.2	29
87	Corrugated stainless-steel mesh as a simple engineerable electrode module in bio-electrochemical system: Hydrodynamics and the effects on decolorization performance. <i>Journal of Hazardous Materials</i> , 2017, 338, 287-295.	12.4	28
88	Electro-driven methanogenic microbial community diversity and variability in the electron abundant niche. <i>Science of the Total Environment</i> , 2019, 661, 178-186.	8.0	26
89	Palladium/iron nanoparticles stimulate tetrabromobisphenol a microbial reductive debromination and further mineralization in sediment. <i>Environment International</i> , 2020, 135, 105353.	10.0	26
90	<i>Casimicrobium huifangae</i> gen. nov., sp. nov., a Ubiquitous "Most-Wanted" Core Bacterial Taxon from Municipal Wastewater Treatment Plants. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	26

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91	Efficient treatment of azo dye containing wastewater in a hybrid acidogenic bioreactor stimulated by biocatalyzed electrolysis. <i>Journal of Environmental Sciences</i> , 2016, 39, 198-207.	6.1	25
92	Bioaugmentation with <i>Thiobacillus</i> sp. H1 in an autotrophic denitrification desulfurization microbial reactor: Microbial community changes and relationship. <i>Environmental Research</i> , 2020, 189, 109927.	7.5	25
93	Fate of antibiotic resistance genes during temperature-changed psychrophilic anaerobic digestion of municipal sludge. <i>Water Research</i> , 2021, 194, 116926.	11.3	25
94	Evaluation of anaerobic sludge volume for improving azo dye decolorization in a hybrid anaerobic reactor with built-in bioelectrochemical system. <i>Chemosphere</i> , 2017, 169, 18-22.	8.2	24
95	Anaerobic biodegradation of trimethoprim with sulfate as an electron acceptor. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	24
96	Semiquantitative Detection of Hydrogen-Associated or Hydrogen-Free Electron Transfer within Methanogenic Biofilm of Microbial Electrosynthesis. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	24
97	Responses of anaerobic digestion of waste activated sludge to long-term stress of benzalkonium chlorides: Insights to extracellular polymeric substances and microbial communities. <i>Science of the Total Environment</i> , 2021, 796, 148957.	8.0	24
98	Bioaugmentation of triclocarban and its dechlorinated congeners contaminated soil with functional degraders and the bacterial community response. <i>Environmental Research</i> , 2020, 180, 108840.	7.5	23
99	Isolation and Characterization of <i>Shigella flexneri</i> G3, Capable of Effective Cellulosic Saccharification under Mesophilic Conditions. <i>Applied and Environmental Microbiology</i> , 2011, 77, 517-523.	3.1	22
100	Trehalose enhancing microbial electrolysis cell for hydrogen generation in low temperature (0°C). <i>Bioresource Technology</i> , 2014, 166, 458-463.	9.6	22
101	Efficient azo dye decolorization in a continuous stirred tank reactor (CSTR) with built-in bioelectrochemical system. <i>Bioresource Technology</i> , 2016, 218, 1307-1311.	9.6	22
102	Thiosulfate as external electron donor accelerating denitrification at low temperature condition in SO ₄ ²⁻ -based autotrophic denitrification biofilter. <i>Environmental Research</i> , 2022, 210, 113009.	7.5	22
103	Facile fabrication of carbon brush with reduced graphene oxide (rGO) for decreasing resistance and accelerating pollutants removal in bio-electrochemical systems. <i>Journal of Hazardous Materials</i> , 2018, 354, 244-249.	12.4	21
104	Utilization of electrochemical treatment and surface reconstruction to achieve long lasting catalyst for NO _x removal. <i>Journal of Hazardous Materials</i> , 2021, 401, 123440.	12.4	21
105	Integrated constructed wetland and bioelectrochemistry system approach for simultaneous enhancement of p-chloronitrobenzene and nitrogen transformations performance. <i>Water Research</i> , 2022, 217, 118433.	11.3	21
106	Kinetic competition between microbial anode respiration and nitrate respiration in a bioelectrochemical system. <i>Bioelectrochemistry</i> , 2018, 123, 241-247.	4.6	20
107	Recirculation ratio regulates denitrifying sulfide removal and elemental sulfur recovery by altering sludge characteristics and microbial community composition in an EGSB reactor. <i>Environmental Research</i> , 2020, 181, 108905.	7.5	20
108	Stepwise alkaline treatment coupled with ammonia stripping to enhance short-chain fatty acids production from waste activated sludge. <i>Bioresource Technology</i> , 2021, 341, 125824.	9.6	20

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109	Challenges of pathogen inactivation in animal manure through anaerobic digestion: a short review. <i>Bioengineered</i> , 2022, 13, 1149-1161.	3.2	20
110	Stepwise freezing-thawing treatment promotes short-chain fatty acids production from waste activated sludge. <i>Science of the Total Environment</i> , 2022, 818, 151694.	8.0	19
111	Enhanced treatment of coal gasification wastewater in a membraneless sleeve-type bioelectrochemical system. <i>Bioelectrochemistry</i> , 2019, 129, 154-161.	4.6	18
112	Cultivation of sulfide-driven partial denitrification granules for efficient nitrite generation from nitrate-sulfide-laden wastewater. <i>Science of the Total Environment</i> , 2022, 804, 150143.	8.0	18
113	Fenton pre-treatment of rice straw with citric acid as an iron chelate reagent for enhancing saccharification. <i>RSC Advances</i> , 2017, 7, 32076-32086.	3.6	17
114	Weakened adhesion force between extracellular polymeric substances of waste activated sludge caused by rhamnolipid leading to more efficient carbon release. <i>Science of the Total Environment</i> , 2019, 692, 892-902.	8.0	17
115	Insights into palladium nanoparticles produced by <i>Shewanella oneidensis</i> MR-1: Roles of NADH dehydrogenases and hydrogenases. <i>Environmental Research</i> , 2020, 191, 110196.	7.5	17
116	A horizontal plug-flow baffled bioelectrocatalyzed reactor for the reductive decolorization of Alizarin Yellow R. <i>Bioresource Technology</i> , 2015, 195, 73-77.	9.6	16
117	Enhanced Biotransformation of Triclocarban by <i>Ochrobactrum</i> sp. TCC-1 Under Anoxic Nitrate Respiration Conditions. <i>Current Microbiology</i> , 2017, 74, 491-498.	2.2	16
118	Continuous sulfur biotransformation in an anaerobic-anoxic sequential batch reactor involving sulfate reduction and denitrifying sulfide oxidization. <i>Chemosphere</i> , 2019, 234, 568-578.	8.2	16
119	Reinjection oilfield wastewater treatment using bioelectrochemical system and consequent corrosive community evolution on pipe material. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 199-205.	2.2	16
120	Wire-drawing process with graphite lubricant as an industrializable approach to prepare graphite coated stainless-steel anode for bioelectrochemical systems. <i>Environmental Research</i> , 2020, 191, 110093.	7.5	16
121	<i>Shewanella oneidensis</i> MR-1 self-assembled Pd-cells-rGO conductive composite for enhancing electrocatalysis. <i>Environmental Research</i> , 2020, 184, 109317.	7.5	16
122	Perylene pigment wastewater treatment by fenton-enhanced biological process. <i>Environmental Research</i> , 2020, 186, 109522.	7.5	16
123	Microbial fuel cell-upflow biofilter coupling system for deep denitrification and power recovery: Efficiencies, bacterial succession and interactions. <i>Environmental Research</i> , 2021, 196, 110331.	7.5	16
124	Evaluating the effect of fenton pretreated pyridine wastewater under different biological conditions: Microbial diversity and biotransformation pathways. <i>Journal of Environmental Management</i> , 2021, 287, 112297.	7.8	15
125	Applying rhamnolipid to enhance hydrolysis and acidogenesis of waste activated sludge: retarded methanogenic community evolution and methane production. <i>RSC Advances</i> , 2019, 9, 2034-2041.	3.6	14
126	Hydrodynamics of up-flow hybrid anaerobic digestion reactors with built-in bioelectrochemical system. <i>Journal of Hazardous Materials</i> , 2020, 382, 121046.	12.4	14

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127	Florfenicol restructured the microbial interaction network for wastewater treatment by microbial electrolysis cells. <i>Environmental Research</i> , 2020, 183, 109145.	7.5	14
128	Accelerated bioremediation of a complexly contaminated river sediment through ZVI-electrode combined stimulation. <i>Journal of Hazardous Materials</i> , 2021, 413, 125392.	12.4	14
129	Activating electrochemical catalytic activity of bio-palladium by hybridizing with carbon nanotube as "Bridge". <i>Scientific Reports</i> , 2017, 7, 16588.	3.3	13
130	A novel bioelectrochemical method for real-time nitrate monitoring. <i>Bioelectrochemistry</i> , 2019, 125, 33-37.	4.6	13
131	Succession of functional bacteria in a denitrification desulphurisation system under mixotrophic conditions. <i>Environmental Research</i> , 2020, 188, 109708.	7.5	13
132	Spectroscopic fingerprinting of dissolved organic matter in a constructed wetland-reservoir ecosystem for source water improvement-a case study in Yanlong project, eastern China. <i>Science of the Total Environment</i> , 2021, 770, 144791.	8.0	13
133	Effect of preferential UV photolysis on the source control of antibiotic resistome during subsequent biological treatment systems. <i>Journal of Hazardous Materials</i> , 2021, 414, 125484.	12.4	12
134	Enhanced nitrate removal in an Fe ⁰ -driven autotrophic denitrification system using hydrogen-rich water. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1380-1388.	2.4	11
135	Advanced reduction process to achieve efficient degradation of pyridine. <i>Chemosphere</i> , 2022, 287, 132240.	8.2	11
136	Rational design of biogenic PdxAu nanoparticles with enhanced catalytic performance for electrocatalysis and azo dyes degradation. <i>Environmental Research</i> , 2022, 204, 112086.	7.5	11
137	Effects of surface charge, hydrophilicity and hydrophobicity on functional biocathode catalytic efficiency and community structure. <i>Chemosphere</i> , 2018, 202, 105-110.	8.2	10
138	Complete genome sequences of the antibiotic sulfamethoxazole-mineralizing bacteria <i>Paenarthrobacter</i> sp. P27 and <i>Norcardiodes</i> sp. N27. <i>Environmental Research</i> , 2022, 204, 112013.	7.5	10
139	Natural iridoids from <i>Patrinia heterophylla</i> showing anti-inflammatory activities in vitro and in vivo. <i>Bioorganic Chemistry</i> , 2020, 104, 104331.	4.1	9
140	Extracellular electron transfer through visible light induced excited-state outer membrane C-type cytochromes of <i>Geobacter sulfurreducens</i> . <i>Bioelectrochemistry</i> , 2021, 138, 107683.	4.6	9
141	Bacteria-affinity aminated carbon nanotubes bridging reduced graphene oxide for highly efficient microbial electrocatalysis. <i>Environmental Research</i> , 2020, 191, 110212.	7.5	7
142	Rift Valley Lake as a potential magnesium source to recover phosphorus from urine. <i>Environmental Research</i> , 2020, 184, 109363.	7.5	7
143	Editorial perspective: Viruses in wastewater: Wading into the knowns and unknowns. <i>Environmental Research</i> , 2021, 196, 110255.	7.5	7
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145	The removal of selenite and cadmium by immobilized biospheres: Efficiency, mechanisms and bacterial community. <i>Environmental Research</i> , 2022, 211, 113025.	7.5	7
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