

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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154
docs citations

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times ranked

4894
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Advanced reduction process to achieve efficient degradation of pyridine. <i>Chemosphere</i> , 2022, 287, 132240. | 8.2 | 11 |
| 5 | Rational design of biogenic Pd _x Au _y nanoparticles with enhanced catalytic performance for electrocatalysis and azo dyes degradation. <i>Environmental Research</i> , 2022, 204, 112086. | 7.5 | 11 |
| 6 | Microbial community shifts association with physicochemical parameters: Visualizing onset bacterial wilt from different states of onset health. <i>Journal of Environmental Management</i> , 2022, 302, 114084. | 7.8 | 3 |
| 7 | 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 |
| 8 | 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 |
| 9 | Challenges of pathogen inactivation in animal manure through anaerobic digestion: a short review. <i>Bioengineered</i> , 2022, 13, 1149-1161. | 3.2 | 20 |
| 10 | 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 |
| 11 | The removal of selenite and cadmium by immobilized biospheres: Efficiency, mechanisms and bacterial community. <i>Environmental Research</i> , 2022, 211, 113025. | 7.5 | 7 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Response of anaerobic digestion of waste activated sludge to residual ferric ions. <i>Bioresource Technology</i> , 2021, 322, 124536. | 9.6 | 53 |

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|----|--|------|-----------|
| 19 | Editorial perspective: Viruses in wastewater: Wading into the knowns and unknowns. <i>Environmental Research</i> , 2021, 196, 110255. | 7.5 | 7 |
| 20 | 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 |
| 21 | 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 |
| 22 | Resorcinol as a highly efficient aromatic electron donor in bioelectrochemical system. <i>Journal of Hazardous Materials</i> , 2021, 408, 124416. | 12.4 | 7 |
| 23 | Fate of antibiotic resistance genes during temperature-changed psychrophilic anaerobic digestion of municipal sludge. <i>Water Research</i> , 2021, 194, 116926. | 11.3 | 25 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Effect of preferential UV photolysis on the source control of antibiotic resistance during subsequent biological treatment systems. <i>Journal of Hazardous Materials</i> , 2021, 414, 125484. | 12.4 | 12 |
| 29 | 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 |
| 30 | 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 |
| 31 | Optimal control towards sustainable wastewater treatment plants based on multi-agent reinforcement learning. <i>Chemosphere</i> , 2021, 279, 130498. | 8.2 | 42 |
| 32 | Sessile methanogens dominated cathodic biofilm: Distribution and network in physiological transitions. <i>Science of the Total Environment</i> , 2021, 795, 148724. | 8.0 | 5 |
| 33 | 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 |
| 34 | 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 |
| 35 | Tropical and temperate wastewater treatment plants assemble different and diverse microbiomes. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 853-867. | 3.6 | 5 |
| 36 | Mutual effect between electrochemically active bacteria (EAB) and azo dye in bio-electrochemical system (BES). <i>Chemosphere</i> , 2020, 239, 124787. | 8.2 | 29 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | Mixed dye wastewater treatment in a bioelectrochemical system-centered process. <i>Bioresource Technology</i> , 2020, 297, 122420. | 9.6 | 35 |
| 39 | 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 |
| 40 | 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 |
| 41 | Fate, risk and removal of triclocarban: A critical review. <i>Journal of Hazardous Materials</i> , 2020, 387, 121944. | 12.4 | 54 |
| 42 | Palladium/iron nanoparticles stimulate tetrabromobisphenol a microbial reductive debromination and further mineralization in sediment. <i>Environment International</i> , 2020, 135, 105353. | 10.0 | 26 |
| 43 | 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 |
| 44 | 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 |
| 45 | Bacteria-affinity aminated carbon nanotubes bridging reduced graphene oxide for highly efficient microbial electrocatalysis. <i>Environmental Research</i> , 2020, 191, 110212. | 7.5 | 7 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Succession of functional bacteria in a denitrification desulphurisation system under mixotrophic conditions. <i>Environmental Research</i> , 2020, 188, 109708. | 7.5 | 13 |
| 51 | 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 |
| 52 | 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 |
| 53 | Rift Valley Lake as a potential magnesium source to recover phosphorus from urine. <i>Environmental Research</i> , 2020, 184, 109363. | 7.5 | 7 |
| 54 | 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 |

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|----|---|------|-----------|
| 55 | Shewanella oneidensis MR-1 self-assembled Pd-cells-rGO conductive composite for enhancing electrocatalysis. Environmental Research, 2020, 184, 109317. | 7.5 | 16 |
| 56 | UV photolysis as an efficient pretreatment method for antibiotics decomposition and their antibacterial activity elimination. Journal of Hazardous Materials, 2020, 392, 122321. | 12.4 | 54 |
| 57 | Florfenicol restructured the microbial interaction network for wastewater treatment by microbial electrolysis cells. Environmental Research, 2020, 183, 109145. | 7.5 | 14 |
| 58 | <i>Casimicrobium huifangae</i> gen. nov., sp. nov., a Ubiquitous "Most-Wanted" Core Bacterial Taxon from Municipal Wastewater Treatment Plants. Applied and Environmental Microbiology, 2020, 86, . | 3.1 | 26 |
| 59 | Efficient treatment of alizarin yellow R contained wastewater in an electrostimulated anaerobic-oxic integrated system. Environmental Research, 2020, 185, 109403. | 7.5 | 6 |
| 60 | Perylene pigment wastewater treatment by fenton-enhanced biological process. Environmental Research, 2020, 186, 109522. | 7.5 | 16 |
| 61 | Enhanced methane production by alleviating sulfide inhibition with a microbial electrolysis coupled anaerobic digestion reactor. Environment International, 2020, 136, 105503. | 10.0 | 42 |
| 62 | Weakened adhesion force between extracellular polymeric substances of waste activated sludge caused by rhamnolipid leading to more efficient carbon release. Science of the Total Environment, 2019, 692, 892-902. | 8.0 | 17 |
| 63 | In-situ utilization of soluble microbial product (SMP) cooperated with enhancing SMP-dependent denitrification in aerobic-anoxic sequencing batch reactor. Science of the Total Environment, 2019, 693, 133558. | 8.0 | 59 |
| 64 | Accelerated microbial reductive dechlorination of 2,4,6-trichlorophenol by weak electrical stimulation. Water Research, 2019, 162, 236-245. | 11.3 | 181 |
| 65 | 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. Bioresource Technology, 2019, 292, 122001. | 9.6 | 33 |
| 66 | Anaerobic biodegradation of trimethoprim with sulfate as an electron acceptor. Frontiers of Environmental Science and Engineering, 2019, 13, 1. | 6.0 | 24 |
| 67 | Characterization of an efficient chloramphenicol-mineralizing bacterial consortium. Chemosphere, 2019, 222, 149-155. | 8.2 | 29 |
| 68 | Electro-driven methanogenic microbial community diversity and variability in the electron abundant niche. Science of the Total Environment, 2019, 661, 178-186. | 8.0 | 26 |
| 69 | Applying rhamnolipid to enhance hydrolysis and acidogenesis of waste activated sludge: retarded methanogenic community evolution and methane production. RSC Advances, 2019, 9, 2034-2041. | 3.6 | 14 |
| 70 | Enhanced nitrate removal in an Fe ⁰ -driven autotrophic denitrification system using hydrogen-rich water. Environmental Science: Water Research and Technology, 2019, 5, 1380-1388. | 2.4 | 11 |
| 71 | Building electrode with three-dimensional macroporous interface from biocompatible polypyrrole and conductive graphene nanosheets to achieve highly efficient microbial electrocatalysis. Biosensors and Bioelectronics, 2019, 141, 111444. | 10.1 | 81 |
| 72 | Continuous sulfur biotransformation in an anaerobic-anoxic sequential batch reactor involving sulfate reduction and denitrifying sulfide oxidization. Chemosphere, 2019, 234, 568-578. | 8.2 | 16 |

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|----|--|------|-----------|
| 73 | Enhanced treatment of coal gasification wastewater in a membraneless sleeve-type bioelectrochemical system. <i>Bioelectrochemistry</i> , 2019, 129, 154-161. | 4.6 | 18 |
| 74 | 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 |
| 75 | Bioelectrochemical assisted dechlorination of tetrachloroethylene and 1,2-dichloroethane by acclimation of anaerobic sludge. <i>Chemosphere</i> , 2019, 227, 514-521. | 8.2 | 33 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | Response of chloramphenicol-reducing biocathode resistome to continuous electrical stimulation. <i>Water Research</i> , 2019, 148, 398-406. | 11.3 | 90 |
| 80 | A novel bioelectrochemical method for real-time nitrate monitoring. <i>Bioelectrochemistry</i> , 2019, 125, 33-37. | 4.6 | 13 |
| 81 | mcrA sequencing reveals the role of basophilic methanogens in a cathodic methanogenic community. <i>Water Research</i> , 2018, 136, 192-199. | 11.3 | 77 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | Improving biocathode community multifunctionality by polarity inversion for simultaneous bioelectroreduction processes in domestic wastewater. <i>Chemosphere</i> , 2018, 194, 553-561. | 8.2 | 43 |
| 89 | Elevated CO ₂ and Warming Altered Grassland Microbial Communities in Soil Top-Layers. <i>Frontiers in Microbiology</i> , 2018, 9, 1790. | 3.5 | 51 |
| 90 | 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 |

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|-----|---|------|-----------|
| 91 | 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 |
| 92 | 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 |
| 93 | 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 |
| 94 | 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 |
| 95 | Kinetic competition between microbial anode respiration and nitrate respiration in a bioelectrochemical system. <i>Bioelectrochemistry</i> , 2018, 123, 241-247. | 4.6 | 20 |
| 96 | 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 |
| 97 | 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 |
| 98 | Polarity inversion of bioanode for biocathodic reduction of aromatic pollutants. <i>Journal of Hazardous Materials</i> , 2017, 331, 280-288. | 12.4 | 58 |
| 99 | 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | Response of antimicrobial nitrofurazone-degrading biocathode communities to different cathode potentials. <i>Bioresource Technology</i> , 2017, 241, 951-958. | 9.6 | 46 |
| 103 | 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 |
| 104 | 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 |
| 105 | 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 |
| 106 | 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 |
| 107 | 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 |
| 108 | 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 |

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|-----|---|------|-----------|
| 109 | Biodiversity and species competition regulate the resilience of microbial biofilm community. <i>Molecular Ecology</i> , 2017, 26, 6170-6182. | 3.9 | 299 |
| 110 | Activating electrochemical catalytic activity of bio-palladium by hybridizing with carbon nanotube as a "Bridge". <i>Scientific Reports</i> , 2017, 7, 16588. | 3.3 | 13 |
| 111 | Bio-immobilization of dark fermentative bacteria for enhancing continuous hydrogen production from cornstarch hydrolysate. <i>Bioresource Technology</i> , 2017, 243, 548-555. | 9.6 | 41 |
| 112 | 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 |
| 113 | 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 |
| 114 | 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 |
| 115 | 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 |
| 116 | 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 |
| 117 | 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 |
| 118 | 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 |
| 119 | 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 |
| 120 | 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 |
| 121 | Response of anodic bacterial community to the polarity inversion for chloramphenicol reduction. <i>Bioresource Technology</i> , 2016, 221, 666-670. | 9.6 | 42 |
| 122 | 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 |
| 123 | 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 |
| 124 | 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 |
| 125 | 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 |
| 126 | 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 |

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|-----|--|------|-----------|
| 127 | 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 |
| 128 | Investigation of colloidal biogenic sulfur flocculation: Optimization using response surface analysis. <i>Journal of Environmental Sciences</i> , 2016, 42, 227-235. | 6.1 | 31 |
| 129 | Effects of temperature on hydrolysis performance and short-chain fatty acids production during thermophilic micro-aerobic fermentation of waste activated sludge. <i>Desalination and Water Treatment</i> , 2016, 57, 13183-13189. | 1.0 | 3 |
| 130 | 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 |
| 131 | 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 |
| 132 | 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 |
| 133 | Cathodic degradation of antibiotics: Characterization and pathway analysis. <i>Water Research</i> , 2015, 72, 281-292. | 11.3 | 166 |
| 134 | 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 |
| 135 | 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 |
| 136 | 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 |
| 137 | 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 |
| 138 | Temporal-Spatial Changes in Viabilities and Electrochemical Properties of Anode Biofilms. <i>Environmental Science & Technology</i> , 2015, 49, 5227-5235. | 10.0 | 175 |
| 139 | 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 |
| 140 | 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 |
| 141 | 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 |
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