

Yaping Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,320
citations

361413
20
h-index

345221
36
g-index

36
all docs

36
docs citations

36
times ranked

1705
citing authors

#	ARTICLE	IF	CITATIONS
1	Upgrading earth-abundant biomass into three-dimensional carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4217-4229.	10.3	107
2	Redox mediator enhanced simultaneous decolorization of azo dye and bioelectricity generation in air-cathode microbial fuel cell. <i>Bioresource Technology</i> , 2013, 142, 407-414.	9.6	104
3	Elimination and ecotoxicity evaluation of phthalic acid esters from textile-dyeing wastewater. <i>Environmental Pollution</i> , 2017, 231, 115-122.	7.5	83
4	The photodegradation processes and mechanisms of polyvinyl chloride and polyethylene terephthalate microplastic in aquatic environments: Important role of clay minerals. <i>Water Research</i> , 2022, 208, 117879.	11.3	82
5	Soft-template assisted synthesis of Fe/N-doped hollow carbon nanospheres as advanced electrocatalysts for the oxygen reduction reaction in microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19343-19350.	10.3	75
6	Comparison of the Fe ²⁺ /H ₂ O ₂ and Fe ²⁺ /PMS systems in simulated sludge: Removal of PAHs, migration of elements and formation of chlorination by-products. <i>Journal of Hazardous Materials</i> , 2020, 398, 122826.	12.4	67
7	Performance improvement of air-cathode single-chamber microbial fuel cell using a mesoporous carbon modified anode. <i>Journal of Power Sources</i> , 2011, 196, 7458-7464.	7.8	62
8	Degradation of polycyclic aromatic hydrocarbons (PAHs) in textile dyeing sludge with ultrasound and Fenton processes: Effect of system parameters and synergistic effect study. <i>Journal of Hazardous Materials</i> , 2016, 307, 7-16.	12.4	62
9	Carbon nanotube-coated stainless steel mesh for enhanced oxygen reduction in biocathode microbial fuel cells. <i>Journal of Power Sources</i> , 2013, 239, 169-174.	7.8	61
10	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
11	Sludge treatment by integrated ultrasound-Fenton process: Characterization of sludge organic matter and its impact on PAHs removal. <i>Journal of Hazardous Materials</i> , 2018, 343, 191-199.	12.4	49
12	Decolorization and biodegradation of the Congo red by <i>Acinetobacter baumannii</i> YNWH 226 and its polymer production's flocculation and dewatering potential. <i>Bioresource Technology</i> , 2015, 194, 233-239.	9.6	48
13	Degradation of aromatic amines in textile-dyeing sludge by combining the ultrasound technique with potassium permanganate treatment. <i>Journal of Hazardous Materials</i> , 2016, 314, 1-10.	12.4	44
14	Chlorobenzene levels, component distribution, and ambient severity in wastewater from five textile dyeing wastewater treatment plants. <i>Ecotoxicology and Environmental Safety</i> , 2020, 193, 110257.	6.0	44
15	Chlorophenols in textile dyeing sludge: Pollution characteristics and environmental risk control. <i>Journal of Hazardous Materials</i> , 2021, 416, 125721.	12.4	42
16	Electrochemical and microbial community responses of electrochemically active biofilms to copper ions in bioelectrochemical systems. <i>Chemosphere</i> , 2018, 196, 377-385.	8.2	31
17	Enhanced oxytetracycline removal coupling with increased power generation using a self-sustained photo-bioelectrochemical fuel cell. <i>Chemosphere</i> , 2019, 221, 21-29.	8.2	31
18	Enhanced dewaterability of textile dyeing sludge using micro-electrolysis pretreatment. <i>Journal of Environmental Management</i> , 2015, 161, 181-187.	7.8	27

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19	High-concentration nitrogen removal coupling with bioelectric power generation by a self-sustaining algal-bacterial biocathode photo-bioelectrochemical system under daily light/dark cycle. <i>Chemosphere</i> , 2019, 222, 797-809.	8.2	24
20	Treatment of simulated textile sludge using the Fenton/Cl [•] system: The roles of chlorine radicals and superoxide anions on PAHs removal. <i>Environmental Research</i> , 2021, 197, 110997.	7.5	22
21	Long-term effect of carbon nanotubes on electrochemical properties and microbial community of electrochemically active biofilms in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16240-16247.	7.1	19
22	Enhanced photodegradation of antibiotics based on anoxygenic photosynthetic bacteria and bacterial metabolites: A sustainably green strategy for the removal of high-risk organics from secondary effluent. <i>Journal of Hazardous Materials</i> , 2022, 430, 128350.	12.4	19
23	Inhibitory effect of cadmium(II) ion on anodic electrochemically active biofilms performance in bioelectrochemical systems. <i>Chemosphere</i> , 2018, 211, 202-209.	8.2	18
24	Solar Photothermal Electrodes for Highly Efficient Microbial Energy Harvesting at Low Ambient Temperatures. <i>ChemSusChem</i> , 2018, 11, 4071-4076.	6.8	17
25	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
26	Effect of K ₂ FeO ₄ /US treatment on textile dyeing sludge disintegration and dewaterability. <i>Journal of Environmental Management</i> , 2015, 162, 81-86.	7.8	14
27	Enhanced production of microalgae-originated photosensitizer by integrating photosynthetic electrons extraction and antibiotic induction towards photocatalytic degradation of antibiotic: A novel complementary treatment process for antibiotic removal from effluent of conventional biological wastewater treatment. <i>Journal of Environmental Management</i> , 2022, 308, 114527.	7.8	14
28	Degradation of polycyclic aromatic hydrocarbons (PAHs) in textile dyeing sludge by O ₃ /H ₂ O ₂ treatment. <i>RSC Advances</i> , 2015, 5, 38021-38029.	3.6	12
29	Enhanced bioelectricity generation and azo dye treatment in a reversible photo-bioelectrochemical cell by using novel anthraquinone-2,6-disulfonate (AQDS)/MnO _x -doped polypyrrole film electrodes. <i>Bioresource Technology</i> , 2017, 225, 40-47.	9.6	12
30	Integrating solar photovoltaic capacitor into algal-bacterial photo-bioelectrochemical system towards all-weather synchronous enhanced antibiotic and nitrogen removal from wastewater. <i>Journal of Cleaner Production</i> , 2020, 272, 122661.	9.3	12
31	Effect of copper ions on glucose fermentation pathways in bioelectrochemical system. <i>Chemosphere</i> , 2021, 272, 129627.	8.2	12
32	Analysis of the Metabolites of Indole Degraded by an Isolated <i>Acinetobacter pittii</i> L1. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	11
33	Enhanced removal of veterinary antibiotic from wastewater by photoelectroactive biofilm of purple anoxygenic phototroph through photosynthetic electron uptake. <i>Science of the Total Environment</i> , 2020, 713, 136605.	8.0	11
34	Enhancing the performance of photo-bioelectrochemical fuel cell using graphene oxide/cobalt/polypyrrole composite modified photo-biocathode in the presence of antibiotic. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1919-1929.	7.1	9
35	Treatment of 3,3'-dimethoxybenzidine in sludge by advance oxidation process: Degradation products and toxicity evaluation. <i>Journal of Environmental Management</i> , 2019, 238, 102-109.	7.8	7
36	Enhancement and analysis of Anthracene degradation by Tween 80 in LMS-HOBt. <i>Scientific Reports</i> , 2021, 11, 13121.	3.3	3