Qian Zhang

List of Publications by Year
in descending order

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		586496	685536
24	824	16	24
papers	citations	h-index	g-index

24	24	24	794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning the crystallinity of MnO2 oxidant to achieve highly efficient pollutant degradation. Chinese Chemical Letters, 2023, 34, 107189.	4.8	4
2	Control of aeration time in the aniline degrading-bioreactor with the analysis of metagenomic: Aniline degradation and nitrogen metabolism. Bioresource Technology, 2022, 344, 126281.	4.8	17
3	Microbial community and metabolic characteristics evaluation in start-up stage of electro-enhanced SBR for aniline wastewater treatment. Journal of Water Process Engineering, 2022, 45, 102489.	2.6	16
4	Effect of Aluminum on Full-Scale Biological Treatment System: Sludge Performance and the Microbial Community Structure. Environmental Engineering Science, 2022, 39, 474-483.	0.8	1
5	Improvement of degradation of Orange G in aqueous solution by Fe2+ added in dielectric barrier discharge plasma system. Journal of Water Process Engineering, 2022, 47, 102707.	2.6	6
6	Understanding the effect of residual aluminum salt coagulant on activated sludge in sequencing batch reactor: Performance response, activity restoration and microbial community evolution. Environmental Research, 2022, 212, 113449.	3.7	8
7	Bioaugmentation with Acinetobacter sp. TAC-1 to enhance nitrogen removal in swine wastewater by moving bed biofilm reactor inoculated with bacteria. Bioresource Technology, 2022, 359, 127506.	4.8	18
8	Microbial community and function evaluation in the start-up period of bioaugmented SBR fed with aniline wastewater. Bioresource Technology, 2021, 319, 124148.	4.8	44
9	Removal of N,N-dimethylformamide by dielectric barrier discharge plasma combine with manganese activated carbon. Environmental Science and Pollution Research, 2021, 28, 41698-41711.	2.7	3
10	Effect of the presence of inorganic anions on the degradation of phenol by dielectric barrier discharge plasma combined with RGO-TiO2. Journal of Water Process Engineering, 2021, 41, 101997.	2.6	13
11	Identification and Characterization of a Highly Efficient and Resistant Aniline-Degrading Strain AD4. Environmental Engineering Science, 2021, 38, 742-751.	0.8	4
12	Response of wastewater treatment performance, microbial composition and functional genes to different C/N ratios and carrier types in MBBR inoculated with heterotrophic nitrification-aerobic denitrification bacteria. Bioresource Technology, 2021, 336, 125339.	4.8	61
13	Understanding the impacts of operation mode sequences on the biological aniline degradation system: Startup phase, pollutants removal rules and microbial response. Bioresource Technology, 2021, 340, 125758.	4.8	20
14	Bioaugmentation of sequencing batch reactor for aniline treatment during start-up period: Investigation of microbial community structure of activated sludge. Chemosphere, 2020, 243, 125426.	4.2	31
15	Removal mechanisms of Cr(VI) and Cr(III) by biochar supported nanosized zero-valent iron: Synergy of adsorption, reduction and transformation. Environmental Pollution, 2020, 265, 115018.	3.7	142
16	Effects of dissolved oxygen concentrations on a bioaugmented sequencing batch rector treating aniline-laden wastewater: Reactor performance, microbial dynamics and functional genes. Bioresource Technology, 2020, 313, 123598.	4.8	28
17	Removal behavior and mechanisms of Cd(II) by a novel MnS loaded functional biochar: Influence of oxygenation. Journal of Cleaner Production, 2020, 256, 120672.	4.6	31
18	Degradation of liquid phase N,N-dimethylformamide by dielectric barrier discharge plasma: Mechanism and degradation pathways. Chemosphere, 2019, 236, 124401.	4.2	33

#	Article	IF	Citations
19	Activation of persulfate by manganese oxide-modified sludge-derived biochar to degrade Orange G in aqueous solution. Environmental Pollutants and Bioavailability, 2019, 31, 70-79.	1.3	30
20	Adsorption of Cd(II) From Aqueous Solutions by Modified Biochars: Comparison of Modification Methods. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	31
21	Degradation of aniline in aqueous solution by dielectric barrier discharge plasma: Mechanism and degradation pathways. Chemosphere, 2019, 223, 416-424.	4.2	53
22	Removal of hexavalent chromium by biochar supported nZVI composite: Batch and fixed-bed column evaluations, mechanisms, and secondary contamination prevention. Chemosphere, 2019, 217, 85-94.	4.2	156
23	Investigating the sorption behavior of cadmium from aqueous solution by potassium permanganate-modified biochar: quantify mechanism and evaluate the modification method. Environmental Science and Pollution Research, 2018, 25, 8330-8339.	2.7	51
24	Concurrent reduction-adsorption of chromium using m-phenylenediamine-modified magnetic chitosan: kinetics, isotherm, and mechanism. Environmental Science and Pollution Research, 2018, 25, 17830-17841.	2.7	23