

Qian Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3732204/publications.pdf>

Version: 2024-02-01

24
papers

824
citations

516561

16
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of hexavalent chromium by biochar supported nZVI composite: Batch and fixed-bed column evaluations, mechanisms, and secondary contamination prevention. <i>Chemosphere</i> , 2019, 217, 85-94.	4.2	156
2	Removal mechanisms of Cr(VI) and Cr(III) by biochar supported nanosized zero-valent iron: Synergy of adsorption, reduction and transformation. <i>Environmental Pollution</i> , 2020, 265, 115018.	3.7	142
3	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. <i>Bioresource Technology</i> , 2021, 336, 125339.	4.8	61
4	Degradation of aniline in aqueous solution by dielectric barrier discharge plasma: Mechanism and degradation pathways. <i>Chemosphere</i> , 2019, 223, 416-424.	4.2	53
5	Investigating the sorption behavior of cadmium from aqueous solution by potassium permanganate-modified biochar: quantify mechanism and evaluate the modification method. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8330-8339.	2.7	51
6	Microbial community and function evaluation in the start-up period of bioaugmented SBR fed with aniline wastewater. <i>Bioresource Technology</i> , 2021, 319, 124148.	4.8	44
7	Degradation of liquid phase N,N-dimethylformamide by dielectric barrier discharge plasma: Mechanism and degradation pathways. <i>Chemosphere</i> , 2019, 236, 124401.	4.2	33
8	Adsorption of Cd(II) From Aqueous Solutions by Modified Biochars: Comparison of Modification Methods. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	31
9	Bioaugmentation of sequencing batch reactor for aniline treatment during start-up period: Investigation of microbial community structure of activated sludge. <i>Chemosphere</i> , 2020, 243, 125426.	4.2	31
10	Removal behavior and mechanisms of Cd(II) by a novel MnS loaded functional biochar: Influence of oxygenation. <i>Journal of Cleaner Production</i> , 2020, 256, 120672.	4.6	31
11	Activation of persulfate by manganese oxide-modified sludge-derived biochar to degrade Orange G in aqueous solution. <i>Environmental Pollutants and Bioavailability</i> , 2019, 31, 70-79.	1.3	30
12	Effects of dissolved oxygen concentrations on a bioaugmented sequencing batch reactor treating aniline-laden wastewater: Reactor performance, microbial dynamics and functional genes. <i>Bioresource Technology</i> , 2020, 313, 123598.	4.8	28
13	Concurrent reduction-adsorption of chromium using m-phenylenediamine-modified magnetic chitosan: kinetics, isotherm, and mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 17830-17841.	2.7	23
14	Understanding the impacts of operation mode sequences on the biological aniline degradation system: Startup phase, pollutants removal rules and microbial response. <i>Bioresource Technology</i> , 2021, 340, 125758.	4.8	20
15	Bioaugmentation with <i>Acinetobacter</i> sp. TAC-1 to enhance nitrogen removal in swine wastewater by moving bed biofilm reactor inoculated with bacteria. <i>Bioresource Technology</i> , 2022, 359, 127506.	4.8	18
16	Control of aeration time in the aniline degrading-bioreactor with the analysis of metagenomic: Aniline degradation and nitrogen metabolism. <i>Bioresource Technology</i> , 2022, 344, 126281.	4.8	17
17	Microbial community and metabolic characteristics evaluation in start-up stage of electro-enhanced SBR for aniline wastewater treatment. <i>Journal of Water Process Engineering</i> , 2022, 45, 102489.	2.6	16
18	Effect of the presence of inorganic anions on the degradation of phenol by dielectric barrier discharge plasma combined with RGO-TiO ₂ . <i>Journal of Water Process Engineering</i> , 2021, 41, 101997.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Understanding the effect of residual aluminum salt coagulant on activated sludge in sequencing batch reactor: Performance response, activity restoration and microbial community evolution. <i>Environmental Research</i> , 2022, 212, 113449.	3.7	8
20	Improvement of degradation of Orange G in aqueous solution by Fe ²⁺ added in dielectric barrier discharge plasma system. <i>Journal of Water Process Engineering</i> , 2022, 47, 102707.	2.6	6
21	Identification and Characterization of a Highly Efficient and Resistant Aniline-Degrading Strain AD4. <i>Environmental Engineering Science</i> , 2021, 38, 742-751.	0.8	4
22	Tuning the crystallinity of MnO ₂ oxidant to achieve highly efficient pollutant degradation. <i>Chinese Chemical Letters</i> , 2023, 34, 107189.	4.8	4
23	Removal of N,N-dimethylformamide by dielectric barrier discharge plasma combine with manganese activated carbon. <i>Environmental Science and Pollution Research</i> , 2021, 28, 41698-41711.	2.7	3
24	Effect of Aluminum on Full-Scale Biological Treatment System: Sludge Performance and the Microbial Community Structure. <i>Environmental Engineering Science</i> , 2022, 39, 474-483.	0.8	1