Dan Cui

List of Publications by Year
in descending order

23 papers	1,185 citations	331670 21 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1066 citing authors

#	Article	IF	Citations
1	Efficient Reduction of Nitrobenzene to Aniline with a Biocatalyzed Cathode. Environmental Science & Technology, 2011, 45, 10186-10193.	10.0	254
2	Ultrafine palladium nanoparticles supported on 3D self-supported Ni foam for cathodic dechlorination of florfenicol. Chemical Engineering Journal, 2019, 359, 894-901.	12.7	136
3	Azo dye decolorization in an up-flow bioelectrochemical reactor with domestic wastewater as a cost-effective yet highly efficient electron donor source. Water Research, 2016, 105, 520-526.	11.3	82
4	Enhanced decolorization of azo dye in a small pilot-scale anaerobic baffled reactor coupled with biocatalyzed electrolysis system (ABRâ€“BES): A design suitable for scaling-up. Bioresource Technology, 2014, 163, 254-261.	9.6	81
5	Azo dye removal in a membrane-free up-flow biocatalyzed electrolysis reactor coupled with an aerobic bio-contact oxidation reactor. Journal of Hazardous Materials, 2012, 239-240, 257-264.	12.4	75
6	Efficient azo dye removal in bioelectrochemical system and post-aerobic bioreactor: Optimization and characterization. Chemical Engineering Journal, 2014, 243, 355-363.	12.7	55
7	A membrane-free, continuously feeding, single chamber up-flow biocatalyzed electrolysis reactor for nitrobenzene reduction. Journal of Hazardous Materials, 2012, 199-200, 401-409.	12.4	52
8	Recent advancements in azo dye decolorization in bio-electrochemical systems (BESs): Insights into decolorization mechanism and practical application. Water Research, 2021, 203, 117512.	11.3	51
9	Response of antimicrobial nitrofurazone-degrading biocathode communities to different cathode potentials. Bioresource Technology, 2017, 241, 951-958.	9.6	46
10	Analysis of electrode microbial communities in an up-flow bioelectrochemical system treating azo dye wastewater. Electrochimica Acta, 2016, 220, 252-257.	5.2	38
11	Increasing the bio-electrochemical system performance in azo dye wastewater treatment: Reduced electrode spacing for improved hydrodynamics. Bioresource Technology, 2017, 245, 962-969.	9.6	37
12	Effect of electrode position on azo dye removal in an up-flow hybrid anaerobic digestion reactor with built-in bioelectrochemical system. Scientific Reports, 2016, 6, 25223.	3.3	32
13	Mutual effect between electrochemically active bacteria (EAB) and azo dye in bio-electrochemical system (BES). Chemosphere, 2020, 239, 124787.	8.2	29
14	Corrugated stainless-steel mesh as a simple engineerable electrode module in bio-electrochemical system: Hydrodynamics and the effects on decolorization performance. Journal of Hazardous Materials, 2017, 338, 287-295.	12.4	28
15	Resourceful treatment of harsh high-nitrogen rare earth element tailings (REEs) wastewater by carbonate activated Chlorococcum sp. microalgae. Journal of Hazardous Materials, 2022, 423, 127000.	12.4	28
16	Efficient treatment of azo dye containing wastewater in a hybrid acidogenic bioreactor stimulated by biocatalyzed electrolysis. Journal of Environmental Sciences, 2016, 39, 198-207.	6.1	25
17	Comprehensive study on hybrid anaerobic reactor built-in with sleeve type bioelectrocatalyzed modules. Chemical Engineering Journal, 2017, 330, 1306-1315.	12.7	24
18	Evaluation of anaerobic sludge volume for improving azo dye decolorization in a hybrid anaerobic reactor with built-in bioelectrochemical system. Chemosphere, 2017, 169, 18-22.	8.2	24

#	Article	IF	Citations
19	Efficient azo dye decolorization in a continuous stirred tank reactor (CSTR) with built-in bioelectrochemical system. Bioresource Technology, 2016, 218, 1307-1311.	9.6	22
20	Decolorization enhancement by optimizing azo dye loading rate in an anaerobic reactor. RSC Advances, 2016, 6, 49995-50001.	3.6	22
21	Facile fabrication of carbon brush with reduced graphene oxide (rGO) for decreasing resistance and accelerating pollutants removal in bio-electrochemical systems. Journal of Hazardous Materials, 2018, 354, 244-249.	12.4	21
22	A horizontal plug-flow baffled bioelectrocatalyzed reactor for the reductive decolorization of Alizarin Yellow R. Bioresource Technology, 2015, 195, 73-77.	9.6	16
23	Bacteria-affinity aminated carbon nanotubes bridging reduced graphene oxide for highly efficient microbial electrocatalysis. Environmental Research, 2020, 191, 110212.	7.5	7