

Kai Tang

List of Publications by Year in descending order

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25
papers

670
citations

687363

13
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

662
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological removal of pharmaceuticals from hospital wastewater in a pilot-scale staged moving bed biofilm reactor (MBBR) utilising nitrifying and denitrifying processes. <i>Bioresource Technology</i> , 2018, 267, 677-687.	9.6	98
2	Removal of pharmaceuticals in conventionally treated wastewater by a polishing moving bed biofilm reactor (MBBR) with intermittent feeding. <i>Bioresource Technology</i> , 2017, 236, 77-86.	9.6	93
3	Removal of pharmaceuticals, toxicity and natural fluorescence through the ozonation of biologically-treated hospital wastewater, with further polishing via a suspended biofilm. <i>Chemical Engineering Journal</i> , 2019, 359, 321-330.	12.7	52
4	Removal of micropollutants during biological phosphorus removal: Impact of redox conditions in MBBR. <i>Science of the Total Environment</i> , 2019, 663, 496-506.	8.0	50
5	Degradation of pharmaceuticals from wastewater in a 20-L continuous flow bio-electro-Fenton (BEF) system. <i>Science of the Total Environment</i> , 2020, 727, 138684.	8.0	49
6	Influence of humic acid addition on the degradation of pharmaceuticals by biofilms in effluent wastewater. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 604-610.	4.3	46
7	Impact of intermittent feeding on polishing of micropollutants by moving bed biofilm reactors (MBBR). <i>Journal of Hazardous Materials</i> , 2021, 403, 123536.	12.4	35
8	Removal of sulfamethoxazole (SMX) in sulfate-reducing flocculent and granular sludge systems. <i>Bioresource Technology</i> , 2019, 288, 121592.	9.6	30
9	Regeneration of Fe(II) from Fenton-derived ferric sludge using a novel biocathode. <i>Bioresource Technology</i> , 2020, 318, 124195.	9.6	29
10	An innovative microbial electrochemical ultraviolet photolysis cell (MEUC) for efficient degradation of carbamazepine. <i>Water Research</i> , 2020, 187, 116451.	11.3	29
11	Municipal wastewater treatment targeting pharmaceuticals by a pilot-scale hybrid attached biofilm and activated sludge system (Hybasã,ç). <i>Chemosphere</i> , 2020, 259, 127397.	8.2	25
12	Degradation of metoprolol from wastewater in a bio-electro-Fenton system. <i>Science of the Total Environment</i> , 2021, 771, 145385.	8.0	25
13	Oxidative Degradation of Tetracycline by Magnetite and Persulfate: Performance, Water Matrix Effect, and Reaction Mechanism. <i>Nanomaterials</i> , 2021, 11, 2292.	4.1	20
14	Polishing micropollutants in municipal wastewater, using biogenic manganese oxides in a moving bed biofilm reactor (BioMn-MBBR). <i>Journal of Hazardous Materials</i> , 2022, 427, 127889.	12.4	13
15	Selective removal of cationic organic pollutants using disulfide-linked polymer. <i>Separation and Purification Technology</i> , 2022, 288, 120522.	7.9	10
16	Cost-efficient microbial electrosynthesis of hydrogen peroxide on a facile-prepared floating electrode by entrapping oxygen. <i>Bioresource Technology</i> , 2021, 342, 125995.	9.6	9
17	When microbial electrochemistry meets UV: The applicability to high-strength real pharmaceutical industry wastewater. <i>Journal of Hazardous Materials</i> , 2022, 423, 127151.	12.4	9
18	Efficient recovery of dissolved Fe(II) from near neutral pH Fenton via microbial electrolysis. <i>Journal of Hazardous Materials</i> , 2022, 436, 129196.	12.4	9

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19	Removal of Pharmaceuticals, Toxicity and Natural Fluorescence by Ozonation in Biologically Pre-Treated Municipal Wastewater, in Comparison to Subsequent Polishing Biofilm Reactors. <i>Water</i> (Switzerland), 2020, 12, 1059.	2.7	8
20	A novel persulfate-photo-bioelectrochemical hybrid system promoting the degradation of refractory micropollutants at neutral pH. <i>Journal of Hazardous Materials</i> , 2021, 416, 125905.	12.4	8
21	Competitive Degradation of Steroid Estrogens by Potassium Permanganate Combined with Ultrasound. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15434-15448.	2.6	6
22	Elimination of recalcitrant micropollutants by medium pressure UV-catalyzed bioelectrochemical advanced oxidation process: Influencing factors, transformation pathway and toxicity assessment. <i>Science of the Total Environment</i> , 2022, 828, 154543.	8.0	6
23	Parameters on 17 β -Estradiol degradation by Ultrasound in an aqueous system. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 322-327.	3.2	5
24	Degradation of 17 β -estradiol by combined ultrasound/KMnO ₄ in an aqueous system. <i>Desalination and Water Treatment</i> , 2015, 53, 493-500.	1.0	3
25	Engineered manganese redox cycling in anaerobic-aerobic MBBRs for utilisation of biogenic manganese oxides to efficiently remove micropollutants. <i>Chemical Engineering Journal</i> , 2022, 446, 136998.	12.7	3