Ren-Li Yin

List of Publications by Citations

36 papers	1,981 citations	22 h-index	36 g-index
36 ext. papers	2,776 ext. citations	10.8 avg, IF	5.46 L-index

#	Paper	IF	Citations
36	Singlet oxygen-dominated peroxydisulfate activation by sludge-derived biochar for sulfamethoxazole degradation through a nonradical oxidation pathway: Performance and mechanism. *Chemical Engineering Journal*, **2019**, 357, 589-599	14.7	193
35	Selective degradation of sulfonamide antibiotics by peroxymonosulfate alone: Direct oxidation and nonradical mechanisms. *Chemical Engineering Journal*, **2018**, 334, 2539-2546	14.7	175
34	Enhanced peroxymonosulfate activation for sulfamethazine degradation by ultrasound irradiation: Performances and mechanisms. *Chemical Engineering Journal*, **2018**, 335, 145-153	14.7	152
33	Hydroxyl radical dominated degradation of aquatic sulfamethoxazole by Fe/bisulfite/O: Kinetics, mechanisms, and pathways. *Water Research*, **2018**, 138, 323-332	12.5	133
32	Enhancement of volatile fatty acid production by co-fermentation of food waste and excess sludge without pH control: The mechanism and microbial community analyses. *Bioresource Technology*, **2016**, 216, 653-60	11	119
31	Biochar-induced Fe(III) reduction for persulfate activation in sulfamethoxazole degradation: Insight into the electron transfer, radical oxidation and degradation pathways. *Chemical Engineering Journal*, **2019**, 362, 561-569	14.7	117
30	A review of graphene-based nanomaterials for removal of antibiotics from aqueous environments. *Environmental Pollution*, **2019**, 253, 100-110	9.3	108
29	Sulfamethoxazole degradation by ultrasound/ozone oxidation process in water: kinetics, mechanisms, and pathways. *Ultrasonics Sonochemistry*, **2015**, 22, 182-7	8.9	107
28	Adsorption of p-nitrophenols (PNP) on microalgal biochar: Analysis of high adsorption capacity and mechanism. *Bioresource Technology*, **2017**, 244, 1456-1464	11	89
27	Removal of cephalosporin antibiotics 7-ACA from wastewater during the cultivation of lipid-accumulating microalgae. *Bioresource Technology*, **2016**, 221, 284-290	11	81
26	Heteroatoms doped graphene for catalytic ozonation of sulfamethoxazole by metal-free catalysis: Performances and mechanisms. *Chemical Engineering Journal*, **2017**, 317, 632-639	14.7	79
25	Upgrading liquor-making wastewater into medium chain fatty acid: Insights into co-electron donors, key microflora, and energy harvest. *Water Research*, **2018**, 145, 650-659	12.5	74
24	In situ photoreduction of structural Fe(III) in a metal-organic framework for peroxydisulfate activation and efficient removal of antibiotics in real wastewater. *Journal of Hazardous Materials*, **2020**, 388, 121996	12.8	52
23	Near-infrared light to heat conversion in peroxydisulfate activation with MoS: A new photo-activation process for water treatment. *Water Research*, **2021**, 190, 116720	12.5	46
22	Surfactant (CTAB) assisted flower-like Bi2WO6 through hydrothermal method: Unintentional bromide ion doping and photocatalytic activity. *Catalysis Communications*, **2017**, 88, 68-72	3.2	43
21	New insight into the substituents affecting the peroxydisulfate nonradical oxidation of sulfonamides in water. *Water Research*, **2020**, 171, 115374	12.5	41
20	Enhanced amoxicillin treatment using the electro-peroxone process: key factors and degradation mechanism. *RSC Advances*, **2015**, 5, 52695-52702	3.7	37

19	Enhanced volatile fatty acid production from excess sludge by combined free nitrous acid and rhamnolipid treatment. *Bioresource Technology*, **2017**, 224, 727-732	11	37
18	Complexes of Fe(III)-organic pollutants that directly activate Fenton-like processes under visible light. *Applied Catalysis B: Environmental*, **2021**, 283, 119663	21.8	35
17	Enhanced sulfamethoxazole ozonation by noble metal-free catalysis based on magnetic Fe3O4 nanoparticles: catalytic performance and degradation mechanism. *RSC Advances*, **2016**, 6, 19265-19270	3.7	34
16	Degradation of sulfadiazine in water by a UV/O3 process: performance and degradation pathway. *RSC Advances*, **2016**, 6, 57138-57143	3.7	26
15	Enhancing sludge biodegradability and volatile fatty acid production by tetrakis hydroxymethyl phosphonium sulfate pretreatment. *Bioresource Technology*, **2017**, 239, 518-522	11	25
14	Insight into the effects of hydroxyl groups on the rates and pathways of tetracycline antibiotics degradation in the carbon black activated peroxydisulfate oxidation process. *Journal of Hazardous Materials*, **2021**, 412, 125256	12.8	19
13	Femtosecond time-resolved diffuse reflectance study on facet engineered charge-carrier dynamics in Ag3PO4 for antibiotics photodegradation. *Applied Catalysis B: Environmental*, **2021**, 281, 119479	21.8	19
12	Surface dual redox cycles of Mn(III)/Mn(IV) and Cu(I)/Cu(II) for heterogeneous peroxymonosulfate activation to degrade diclofenac: Performance, mechanism and toxicity assessment. *Journal of Hazardous Materials*, **2021**, 410, 124623	12.8	19
11	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. *Chemical Engineering Journal*, **2020**, 390, 124582	14.7	18
10	Simultaneous nutrient removal and reduction in sludge from sewage waste using an alternating anaerobic□anoxic□microaerobic□aerobic system combining ozone/ultrasound technology. *RSC Advances*, **2014**, 4, 52892-52897	3.7	16
9	Magnetic porous biochar with high specific surface area derived from microwave-assisted hydrothermal and pyrolysis treatments of water hyacinth for Cr(VI) and tetracycline adsorption from water. *Bioresource Technology*, **2021**, 340, 125692	11	16
8	Reduction of 4-chloronitrobenzene in a bioelectrochemical reactor with biocathode at ambient temperature for a long-term operation. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 46, 119-124	5.3	13
7	Biosorption of cadmium by a lipid extraction residue of lipid-rich microalgae. *RSC Advances*, **2016**, 6, 20051-20057	3.7	13
6	Mechanisms Underlying the Emergence of Post-acidosis Arrhythmia at the Tissue Level: A Theoretical Study. *Frontiers in Physiology*, **2017**, 8, 195	4.6	11
5	Consolidated 3D Co3Mn-layered double hydroxide aerogel for photo-assisted peroxymonosulfate activation in metronidazole degradation. *Chemical Engineering Journal*, **2021**, 423, 130172	14.7	11
4	Structure-dependent degradation of nitroimidazoles by cobalt-manganese layered double hydroxide catalyzed peroxymonosulfate process. *Chemosphere*, **2021**, 266, 129006	8.4	9
3	Peroxydisulfate bridged photocatalysis of covalent triazine framework for carbamazepine degradation. *Chemical Engineering Journal*, **2022**, 427, 131613	14.7	6
2	Ultrasonic-assisted ozone oxidation process for sulfamethoxazole removal: impact factors and degradation process. *Desalination and Water Treatment*, **2015**, 1-8		4

1 Molecular structure on the detoxification of fluorinated liquid crystal monomers with reactive oxidation species in the photocatalytic process. *Environmental Science and Ecotechnology*, **2022**, 9, 100141 74 4