

# Ren-Li Yin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Molecular structure on the detoxification of fluorinated liquid crystal monomers with reactive oxidation species in the photocatalytic process. <i>Environmental Science and Ecotechnology</i> , <b>2022</b> , 9, 1001474	14.7	4
35	Peroxydisulfate bridged photocatalysis of covalent triazine framework for carbamazepine degradation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131613	14.7	6
34	Insight into the effects of hydroxyl groups on the rates and pathways of tetracycline antibiotics degradation in the carbon black activated peroxydisulfate oxidation process. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 412, 125256	12.8	19
33	Femtosecond time-resolved diffuse reflectance study on facet engineered charge-carrier dynamics in Ag <sub>3</sub> PO <sub>4</sub> for antibiotics photodegradation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 281, 119479	21.8	19
32	Complexes of Fe(III)-organic pollutants that directly activate Fenton-like processes under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 283, 119663	21.8	35
31	Structure-dependent degradation of nitroimidazoles by cobalt-manganese layered double hydroxide catalyzed peroxymonosulfate process. <i>Chemosphere</i> , <b>2021</b> , 266, 129006	8.4	9
30	Near-infrared light to heat conversion in peroxydisulfate activation with MoS <sub>2</sub> : A new photo-activation process for water treatment. <i>Water Research</i> , <b>2021</b> , 190, 116720	12.5	46
29	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. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 410, 124623	12.8	19
28	Consolidated 3D Co <sub>3</sub> Mn-layered double hydroxide aerogel for photo-assisted peroxymonosulfate activation in metronidazole degradation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 423, 130172	14.7	11
27	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. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125692	11	16
26	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124582	14.7	18
25	In situ photoreduction of structural Fe(III) in a metal-organic framework for peroxydisulfate activation and efficient removal of antibiotics in real wastewater. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 388, 121996	12.8	52
24	New insight into the substituents affecting the peroxydisulfate nonradical oxidation of sulfonamides in water. <i>Water Research</i> , <b>2020</b> , 171, 115374	12.5	41
23	A review of graphene-based nanomaterials for removal of antibiotics from aqueous environments. <i>Environmental Pollution</i> , <b>2019</b> , 253, 100-110	9.3	108
22	Biochar-induced Fe(III) reduction for persulfate activation in sulfamethoxazole degradation: Insight into the electron transfer, radical oxidation and degradation pathways. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 561-569	14.7	117
21	Singlet oxygen-dominated peroxydisulfate activation by sludge-derived biochar for sulfamethoxazole degradation through a nonradical oxidation pathway: Performance and mechanism. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 589-599	14.7	193
20	Hydroxyl radical dominated degradation of aquatic sulfamethoxazole by Fe/bisulfite/O <sub>2</sub> : Kinetics, mechanisms, and pathways. <i>Water Research</i> , <b>2018</b> , 138, 323-332	12.5	133

19	Enhanced peroxymonosulfate activation for sulfamethazine degradation by ultrasound irradiation: Performances and mechanisms. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 145-153	14.7	152
18	Upgrading liquor-making wastewater into medium chain fatty acid: Insights into co-electron donors, key microflora, and energy harvest. <i>Water Research</i> , <b>2018</b> , 145, 650-659	12.5	74
17	Selective degradation of sulfonamide antibiotics by peroxymonosulfate alone: Direct oxidation and nonradical mechanisms. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2539-2546	14.7	175
16	Heteroatoms doped graphene for catalytic ozonation of sulfamethoxazole by metal-free catalysis: Performances and mechanisms. <i>Chemical Engineering Journal</i> , <b>2017</b> , 317, 632-639	14.7	79
15	Adsorption of p-nitrophenols (PNP) on microalgal biochar: Analysis of high adsorption capacity and mechanism. <i>Bioresource Technology</i> , <b>2017</b> , 244, 1456-1464	11	89
14	Enhancing sludge biodegradability and volatile fatty acid production by tetrakis hydroxymethyl phosphonium sulfate pretreatment. <i>Bioresource Technology</i> , <b>2017</b> , 239, 518-522	11	25
13	Enhanced volatile fatty acid production from excess sludge by combined free nitrous acid and rhamnolipid treatment. <i>Bioresource Technology</i> , <b>2017</b> , 224, 727-732	11	37
12	Surfactant (CTAB) assisted flower-like Bi <sub>2</sub> WO <sub>6</sub> through hydrothermal method: Unintentional bromide ion doping and photocatalytic activity. <i>Catalysis Communications</i> , <b>2017</b> , 88, 68-72	3.2	43
11	Mechanisms Underlying the Emergence of Post-acidosis Arrhythmia at the Tissue Level: A Theoretical Study. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 195	4.6	11
10	Degradation of sulfadiazine in water by a UV/O <sub>3</sub> process: performance and degradation pathway. <i>RSC Advances</i> , <b>2016</b> , 6, 57138-57143	3.7	26
9	Enhancement of volatile fatty acid production by co-fermentation of food waste and excess sludge without pH control: The mechanism and microbial community analyses. <i>Bioresource Technology</i> , <b>2016</b> , 216, 653-60	11	119
8	Biosorption of cadmium by a lipid extraction residue of lipid-rich microalgae. <i>RSC Advances</i> , <b>2016</b> , 6, 20051-20053	3.7	34
7	Enhanced sulfamethoxazole ozonation by noble metal-free catalysis based on magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles: catalytic performance and degradation mechanism. <i>RSC Advances</i> , <b>2016</b> , 6, 19265-19270	3.7	34
6	Removal of cephalosporin antibiotics 7-ACA from wastewater during the cultivation of lipid-accumulating microalgae. <i>Bioresource Technology</i> , <b>2016</b> , 221, 284-290	11	81
5	Enhanced amoxicillin treatment using the electro-peroxone process: key factors and degradation mechanism. <i>RSC Advances</i> , <b>2015</b> , 5, 52695-52702	3.7	37
4	Ultrasonic-assisted ozone oxidation process for sulfamethoxazole removal: impact factors and degradation process. <i>Desalination and Water Treatment</i> , <b>2015</b> , 1-8		4
3	Sulfamethoxazole degradation by ultrasound/ozone oxidation process in water: kinetics, mechanisms, and pathways. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 22, 182-7	8.9	107
2	Reduction of 4-chloronitrobenzene in a bioelectrochemical reactor with biocathode at ambient temperature for a long-term operation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 46, 119-124	5.3	13

- 1 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