

Xuchun Li

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.

31
papers

2,967
citations

24
h-index

31
g-index

31
ext. papers

3,721
ext. citations

11.1
avg, IF

5.21
L-index

#	Paper	IF	Citations
31	A critical review on chemical analysis of heavy metal complexes in water/wastewater and the mechanism of treatment methods. <i>Chemical Engineering Journal</i> , 2022 , 429, 131688	14.7	20
30	Enhanced ozonation of Cu(II)-organic complexes and simultaneous recovery of aqueous Cu(II) by cathodic reduction. <i>Journal of Cleaner Production</i> , 2021 , 298, 126837	10.3	5
29	Insights into the effects of bromide at fresh water levels on the radical chemistry in the UV/peroxydisulfate process. <i>Water Research</i> , 2021 , 197, 117042	12.5	10
28	Thiourea Dioxide Coupled with Trace Cu(II): An Effective Process for the Reductive Degradation of Diatrizoate. <i>Environmental Science & Technology</i> , 2021 , 55, 12009-12018	10.3	1
27	Overlooked role of secondary radicals in the degradation of beta-blockers and toxicity change in UV/chlorine process. <i>Chemical Engineering Journal</i> , 2020 , 391, 123606	14.7	13
26	Overlooked Role of Peroxides as Free Radical Precursors in Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2019 , 53, 2054-2062	10.3	27
25	Degradation of metronidazole by UV/chlorine treatment: Efficiency, mechanism, pathways and DBPs formation. <i>Chemosphere</i> , 2019 , 224, 228-236	8.4	34
24	Autocatalytic Decomplexation of Cu(II)-EDTA and Simultaneous Removal of Aqueous Cu(II) by UV/Chlorine. <i>Environmental Science & Technology</i> , 2019 , 53, 2036-2044	10.3	39
23	Degradation of lipid regulators by the UV/chlorine process: Radical mechanisms, chlorine oxide radical (ClO)-mediated transformation pathways and toxicity changes. <i>Water Research</i> , 2018 , 137, 242-250	12.5	108
22	Degradation of organic pollutants by Vacuum-Ultraviolet (VUV): Kinetic model and efficiency. <i>Water Research</i> , 2018 , 133, 69-78	12.5	61
21	Enhanced heterogeneous Fenton-like degradation of methylene blue by reduced CuFeO ₂ . <i>RSC Advances</i> , 2018 , 8, 1071-1077	3.7	70
20	Chlorate Formation Mechanism in the Presence of Sulfate Radical, Chloride, Bromide and Natural Organic Matter. <i>Environmental Science & Technology</i> , 2018 , 52, 6317-6325	10.3	72
19	Ultraviolet Irradiation of Permanganate Enhanced the Oxidation of Micropollutants by Producing HO ₂ and Reactive Manganese Species. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 750-756	11	33
18	Comparison of the UV/chlorine and UV/HO processes in the degradation of PPCPs in simulated drinking water and wastewater: Kinetics, radical mechanism and energy requirements. <i>Water Research</i> , 2018 , 147, 184-194	12.5	147
17	Kinetics and mechanisms of the degradation of PPCPs by zero-valent iron (Fe ⁰) activated peroxydisulfate (PDS) system in groundwater. <i>Journal of Hazardous Materials</i> , 2018 , 357, 207-216	12.8	41
16	Mechanism and efficiency of contaminant reduction by hydrated electron in the sulfite/iodide/UV process. <i>Water Research</i> , 2018 , 129, 357-364	12.5	38
15	Enhanced debromination of 4-bromophenol by the UV/sulfite process: Efficiency and mechanism. <i>Journal of Environmental Sciences</i> , 2017 , 54, 231-238	6.4	31

14	One-step removal of Cr(VI) at alkaline pH by UV/sulfite process: Reduction to Cr(III) and in situ Cr(III) precipitation. <i>Chemical Engineering Journal</i> , 2017 , 308, 791-797	14.7	158
13	Efficient degradation of sulfamethoxazole by the Fe(II)/HSO process enhanced by hydroxylamine: Efficiency and mechanism. <i>Journal of Hazardous Materials</i> , 2017 , 322, 461-468	12.8	98
12	Roles of reactive chlorine species in trimethoprim degradation in the UV/chlorine process: Kinetics and transformation pathways. <i>Water Research</i> , 2016 , 104, 272-282	12.5	192
11	Enhanced HO production from ozonation activated by EDTA. <i>Chemical Engineering Journal</i> , 2016 , 288, 562-568	14.7	20
10	Coupled Cu(II)-EDTA degradation and Cu(II) removal from acidic wastewater by ozonation: Performance, products and pathways. <i>Chemical Engineering Journal</i> , 2016 , 299, 23-29	14.7	100
9	Production of Hydroxyl Radical via the Activation of Hydrogen Peroxide by Hydroxylamine. <i>Environmental Science & Technology</i> , 2015 , 49, 10373-9	10.3	93
8	Removal of 2-MIB and geosmin using UV/persulfate: contributions of hydroxyl and sulfate radicals. <i>Water Research</i> , 2015 , 69, 223-233	12.5	350
7	Self-enhanced ozonation of benzoic acid at acidic pHs. <i>Water Research</i> , 2015 , 73, 9-16	12.5	37
6	Kinetics and efficiency of the hydrated electron-induced dehalogenation by the sulfite/UV process. <i>Water Research</i> , 2014 , 62, 220-8	12.5	64
5	Rapid acceleration of ferrous iron/peroxymonosulfate oxidation of organic pollutants by promoting Fe(III)/Fe(II) cycle with hydroxylamine. <i>Environmental Science & Technology</i> , 2013 , 47, 11685-91	10.3	465
4	Comparison of permanganate preoxidation and preozonation on algae containing water: cell integrity, characteristics, and chlorinated disinfection byproduct formation. <i>Environmental Science & Technology</i> , 2013 , 47, 14051-61	10.3	170
3	Efficient reductive dechlorination of monochloroacetic acid by sulfite/UV process. <i>Environmental Science & Technology</i> , 2012 , 46, 7342-9	10.3	175
2	Strong enhancement on fenton oxidation by addition of hydroxylamine to accelerate the ferric and ferrous iron cycles. <i>Environmental Science & Technology</i> , 2011 , 45, 3925-30	10.3	295
1	Fabrication of Coral-Shaped MoS ₂ @Ni(Mn)VO _x Electrocatalyst for Efficient Alkaline Hydrogen Evolution. <i>Energy Technology</i> , 2101007	3.5	0