

Xuchun Li

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

4,418
citations

218662

26
h-index

454934

30
g-index

31
all docs

31
docs citations

31
times ranked

3362
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 11685-11691.	10.0	634
2	Removal of 2-MIB and geosmin using UV/persulfate: Contributions of hydroxyl and sulfate radicals. <i>Water Research</i> , 2015, 69, 223-233.	11.3	476
3	Strong Enhancement on Fenton Oxidation by Addition of Hydroxylamine to Accelerate the Ferric and Ferrous Iron Cycles. <i>Environmental Science & Technology</i> , 2011, 45, 3925-3930.	10.0	402
4	Comparison of the UV/chlorine and UV/H ₂ O ₂ 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.	11.3	289
5	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.	11.3	267
6	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.	12.7	251
7	Efficient Reductive Dechlorination of Monochloroacetic Acid by Sulfite/UV Process. <i>Environmental Science & Technology</i> , 2012, 46, 7342-7349.	10.0	236
8	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, 14051-14061.	10.0	224
9	Efficient degradation of sulfamethoxazole by the Fe(II)/HSO ₅ [•] process enhanced by hydroxylamine: Efficiency and mechanism. <i>Journal of Hazardous Materials</i> , 2017, 322, 461-468.	12.4	148
10	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.	11.3	145
11	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.	12.7	140
12	Production of Hydroxyl Radical via the Activation of Hydrogen Peroxide by Hydroxylamine. <i>Environmental Science & Technology</i> , 2015, 49, 10373-10379.	10.0	133
13	Chlorate Formation Mechanism in the Presence of Sulfate Radical, Chloride, Bromide and Natural Organic Matter. <i>Environmental Science & Technology</i> , 2018, 52, 6317-6325.	10.0	119
14	Kinetics and efficiency of the hydrated electron-induced dehalogenation by the sulfite/UV process. <i>Water Research</i> , 2014, 62, 220-228.	11.3	95
15	Enhanced heterogeneous Fenton-like degradation of methylene blue by reduced CuFe ₂ O ₄ . <i>RSC Advances</i> , 2018, 8, 1071-1077.	3.6	91
16	Mechanism and efficiency of contaminant reduction by hydrated electron in the sulfite/iodide/UV process. <i>Water Research</i> , 2018, 129, 357-364.	11.3	83
17	Degradation of organic pollutants by Vacuum-Ultraviolet (VUV): Kinetic model and efficiency. <i>Water Research</i> , 2018, 133, 69-78.	11.3	79
18	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.	12.4	79

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19	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.	10.0	79
20	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.	12.7	70
21	Ultraviolet Irradiation of Permanganate Enhanced the Oxidation of Micropollutants by Producing HO [•] and Reactive Manganese Species. <i>Environmental Science and Technology Letters</i> , 2018, 5, 750-756.	8.7	65
22	Degradation of metronidazole by UV/chlorine treatment: Efficiency, mechanism, pathways and DBPs formation. <i>Chemosphere</i> , 2019, 224, 228-236.	8.2	57
23	Enhanced debromination of 4-bromophenol by the UV/sulfite process: Efficiency and mechanism. <i>Journal of Environmental Sciences</i> , 2017, 54, 231-238.	6.1	51
24	Overlooked Role of Peroxides as Free Radical Precursors in Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2019, 53, 2054-2062.	10.0	48
25	Self-enhanced ozonation of benzoic acid at acidic pHs. <i>Water Research</i> , 2015, 73, 9-16.	11.3	46
26	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.	11.3	34
27	Enhanced HO production from ozonation activated by EDTA. <i>Chemical Engineering Journal</i> , 2016, 288, 562-568.	12.7	24
28	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.	12.7	23
29	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.	9.3	18
30	Thiourea Dioxide Coupled with Trace Cu(II): An Effective Process for the Reductive Degradation of Diazotriazate. <i>Environmental Science & Technology</i> , 2021, 55, 12009-12018.	10.0	11
31	Fabrication of Coral-shaped MoS ₂ @Ni(Mn)VO _x Electrocatalyst for Efficient Alkaline Hydrogen Evolution. <i>Energy Technology</i> , 0, , 2101007.	3.8	1