

Xiaobin Liao

List of Publications by Year in descending order

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papers

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706676

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29
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1216
citing authors

#	ARTICLE	IF	CITATIONS
1	NDMA reduction mechanism of UDMH by O ₃ /PMS technology. <i>Science of the Total Environment</i> , 2022, 805, 150418.	3.9	15
2	NDMA formation during ozonation of DMAPA: Influencing factors, mechanisms, and new pathway exploration. <i>Science of the Total Environment</i> , 2022, 825, 153881.	3.9	6
3	The inactivation of bacteriophage MS2 by sodium hypochlorite in the presence of particles. <i>Chemosphere</i> , 2021, 266, 129191.	4.2	12
4	Validation of the promotion mechanism between bromide and UDMH to form NDMA during ozonation. <i>Science of the Total Environment</i> , 2021, 792, 148316.	3.9	12
5	NDMA formation during ozonation of metformin: Roles of ozone and hydroxyl radicals. <i>Science of the Total Environment</i> , 2021, 796, 149010.	3.9	21
6	Effects of pre-ozonation on the cell characteristics and N-nitrosodimethylamine formation at three growth phases of <i>Microcystis aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 873-881.	2.7	10
7	Humic acid's (HA) role in NDMA formation from daminozide (DMNZD) during ozonation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2766-2775.	1.2	4
8	THMs, HAAs and NAs production from culturable microorganisms in pipeline network by ozonation, chlorination, chloramination and joint disinfection strategies. <i>Science of the Total Environment</i> , 2020, 744, 140833.	3.9	18
9	Biomimetic degradability of linear perfluorooctanesulfonate (L-PFOS): Degradation products and pathways. <i>Chemosphere</i> , 2020, 259, 127502.	4.2	2
10	A comparative study on sulfide removal by HClO and KMnO ₄ in drinking water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2871-2880.	1.2	3
11	New perspective of Br ⁻ 's role on NDMA formation from daminozide (DMNZD) during ozonation. <i>Science of the Total Environment</i> , 2019, 696, 133892.	3.9	14
12	A comparison of trichloromethane formation from two algae species during two pre-oxidation-coagulation-chlorination processes. <i>Science of the Total Environment</i> , 2019, 656, 1063-1070.	3.9	34
13	Adsorption of perfluorinated acids onto soils: Kinetics, isotherms, and influences of soil properties. <i>Science of the Total Environment</i> , 2019, 649, 504-514.	3.9	151
14	NDMA formation from 4,4'-hexamethylenebis (HDMS) during ozonation: influencing factors and mechanisms. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1584-1594.	2.7	13
15	Anaerobic biodegradation of 8:2 fluorotelomer alcohol in anaerobic activated sludge: Metabolic products and pathways. <i>Chemosphere</i> , 2018, 200, 124-132.	4.2	45
16	Reduction of N-nitrosodimethylamine formation from ranitidine by ozonation preceding chloramination: influencing factors and mechanisms. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13489-13498.	2.7	27
17	Evaluating the biosafety of conventional and O ₃ -BAC process and its relationship with NOM characteristics. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 221-230.	1.2	15
18	Characterizing the correlation between dephosphorization and solution pH in a calcined water treatment plant sludge. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18510-18518.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Control of Nitrosamines, THMs, and HAAs in Heavily Impacted Water with O ₃ -BAC. Journal - American Water Works Association, 2017, 109, E215.	0.2	9
20	Occurrence of nitrosamines and their precursors in drinking water systems around mainland China. Water Research, 2016, 98, 168-175.	5.3	137
21	Identification of nitrosamine precursors from urban drainage during storm events: A case study in southern China. Chemosphere, 2016, 160, 323-331.	4.2	27
22	Sorption and desorption of organic matter on solid-phase extraction media to isolate and identify N-nitrosodimethylamine precursors. Journal of Separation Science, 2016, 39, 2796-2805.	1.3	13
23	Antibiotic sulfanilamide biodegradation by acclimated microbial populations. Applied Microbiology and Biotechnology, 2016, 100, 2439-2447.	1.7	71
24	Biodegradation of antibiotic ciprofloxacin: pathways, influential factors, and bacterial community structure. Environmental Science and Pollution Research, 2016, 23, 7911-7918.	2.7	133
25	Remediation of Nitrogen-Contaminated Sediment Using Bioreactive, Thin-layer Capping with Biozeolite. Soil and Sediment Contamination, 2016, 25, 89-100.	1.1	8
26	Nitrosamine Precursor Removal by BAC: A Case Study of Adsorption Versus Biotreatment. Journal - American Water Works Association, 2015, 107, E454.	0.2	27
27	Applying the polarity rapid assessment method to characterize nitrosamine precursors and to understand their removal by drinking water treatment processes. Water Research, 2015, 87, 292-298.	5.3	47
28	Evaluation of disinfection by-product formation potential (DBPFP) during chlorination of two algae species – Blue-green <i>Microcystis aeruginosa</i> and diatom <i>Cyclotella meneghiniana</i> . Science of the Total Environment, 2015, 532, 540-547.	3.9	55