

Yuefeng F Xie

List of Publications by Year in descending order

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81
papers

2,584
citations

117625

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81
docs citations

81
times ranked

2710
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of varying piperazine concentration and post-modification on prepared nanofiltration membranes in selectively rejecting organic micropollutants and salts. <i>Journal of Membrane Science</i> , 2019, 582, 274-283.	8.2	105
2	Impacts of Metal-Organic Frameworks on Structure and Performance of Polyamide Thin-Film Nanocomposite Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13724-13734.	8.0	100
3	Disinfection byproducts in drinking water and regulatory compliance: A critical review. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 3-15.	6.0	98
4	Analyzing Haloacetic Acids Using Gas Chromatography/Mass Spectrometry. <i>Water Research</i> , 2001, 35, 1599-1602.	11.3	88
5	Preparation of nanofiltration membranes for high rejection of organic micropollutants and low rejection of divalent cations. <i>Journal of Membrane Science</i> , 2019, 572, 152-160.	8.2	88
6	Biodegradation of Haloacetic Acids by Bacterial Isolates and Enrichment Cultures from Drinking Water Systems. <i>Environmental Science & Technology</i> , 2009, 43, 3169-3175.	10.0	87
7	High-performance thin film nanocomposite membranes enabled by nanomaterials with different dimensions for nanofiltration. <i>Journal of Membrane Science</i> , 2020, 596, 117717.	8.2	86
8	Fabrication and anti-biofouling properties of alumina and zeolite nanoparticle embedded ultrafiltration membranes. <i>Desalination</i> , 2015, 365, 70-78.	8.2	81
9	Effects of conventional ozonation and electro-peroxone pretreatment of surface water on disinfection by-product formation during subsequent chlorination. <i>Water Research</i> , 2018, 130, 322-332.	11.3	77
10	Rejection of pharmaceuticals during forward osmosis and prediction by using the solution-diffusion model. <i>Journal of Membrane Science</i> , 2015, 476, 410-420.	8.2	69
11	Application of coagulation-UF hybrid process for shale gas fracturing flowback water recycling: Performance and fouling analysis. <i>Journal of Membrane Science</i> , 2017, 524, 460-469.	8.2	65
12	Crumb rubber filtration: A potential technology for ballast water treatment. <i>Marine Environmental Research</i> , 2006, 61, 410-423.	2.5	64
13	Effects of ozonation on disinfection byproduct formation and speciation during subsequent chlorination. <i>Chemosphere</i> , 2014, 117, 515-520.	8.2	63
14	Quantifying the influence of solute-membrane interactions on adsorption and rejection of pharmaceuticals by NF/RO membranes. <i>Journal of Membrane Science</i> , 2018, 551, 37-46.	8.2	58
15	Role of membrane and compound properties in affecting the rejection of pharmaceuticals by different RO/NF membranes. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	56
16	A Facile and Scalable Fabrication Procedure for Thin-Film Composite Membranes: Integration of Phase Inversion and Interfacial Polymerization. <i>Environmental Science & Technology</i> , 2020, 54, 1946-1954.	10.0	56
17	Adsorption of pharmaceuticals onto isolated polyamide active layer of NF/RO membranes. <i>Chemosphere</i> , 2018, 200, 36-47.	8.2	50
18	Effect of dissolved oxygen concentration on iron efficiency: Removal of three chloroacetic acids. <i>Water Research</i> , 2015, 73, 342-352.	11.3	48

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19	Association between haloacetic acid degradation and heterotrophic bacteria in water distribution systems. <i>Water Research</i> , 2009, 43, 971-978.	11.3	47
20	Porous organic polymer embedded thin-film nanocomposite membranes for enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 602, 117982.	8.2	47
21	Effect of oxidation on amine-based pharmaceutical degradation and N-Nitrosodimethylamine formation. <i>Water Research</i> , 2015, 87, 403-411.	11.3	44
22	Trihalomethane hydrolysis in drinking water at elevated temperatures. <i>Water Research</i> , 2015, 78, 18-27.	11.3	40
23	Effects of metal ions on disinfection byproduct formation during chlorination of natural organic matter and surrogates. <i>Chemosphere</i> , 2016, 144, 1074-1082.	8.2	40
24	Synergistic effects of combining ozonation, ceramic membrane filtration and biologically active carbon filtration for wastewater reclamation. <i>Journal of Hazardous Materials</i> , 2020, 382, 121091.	12.4	40
25	Electric field-based ionic control of selective separation layers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4244-4251.	10.3	40
26	Effects of organic fractions on the formation and control of N-nitrosamine precursors during conventional drinking water treatment processes. <i>Science of the Total Environment</i> , 2013, 449, 295-301.	8.0	39
27	Effects of pH and temperature on forward osmosis membrane flux using rainwater as the makeup for cooling water dilution. <i>Desalination</i> , 2014, 351, 70-76.	8.2	39
28	Enhanced organic removal for shale gas fracturing flowback water by electrocoagulation and simultaneous electro-peroxone process. <i>Chemosphere</i> , 2019, 218, 252-258.	8.2	39
29	The importance of system configuration for distributed direct potable water reuse. <i>Nature Sustainability</i> , 2020, 3, 548-555.	23.7	38
30	Disinfection by-product formation potentials in wastewater effluents and their reductions in a wastewater treatment plant. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1515.	2.1	37
31	Exploring the interactions of organic micropollutants with polyamide nanofiltration membranes: A molecular docking study. <i>Journal of Membrane Science</i> , 2019, 577, 285-293.	8.2	36
32	Chlorination of oxybenzone: Kinetics, transformation, disinfection byproducts formation, and genotoxicity changes. <i>Chemosphere</i> , 2016, 154, 521-527.	8.2	35
33	Characterization of haloacetaldehyde and trihalomethane formation potentials during drinking water treatment. <i>Chemosphere</i> , 2016, 159, 378-384.	8.2	35
34	Rejection of nine haloacetic acids and coupled reverse draw solute permeation in forward osmosis. <i>Desalination</i> , 2014, 341, 1-9.	8.2	34
35	Effect of capacitive deionization on disinfection by-product precursors. <i>Science of the Total Environment</i> , 2016, 568, 19-25.	8.0	32
36	Biologically active carbon filtration for haloacetic acid removal from swimming pool water. <i>Science of the Total Environment</i> , 2016, 541, 58-64.	8.0	31

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37	Recent Advances in Disinfection By-Product Formation, Occurrence, Control, Health Effects, and Regulations. ACS Symposium Series, 2008, , 2-19.	0.5	29
38	A rapid and simple analytical method for cyanogen chloride and cyanogen bromide in drinking water. Water Research, 1993, 27, 507-511.	11.3	27
39	A comparison of genotoxicity change in reclaimed wastewater from different disinfection processes. Chemosphere, 2018, 191, 335-341.	8.2	27
40	Haloacetic acids in swimming pool and spa water in the United States and China. Frontiers of Environmental Science and Engineering, 2014, 8, 820-824.	6.0	26
41	Comparison of chlorination behaviors between norfloxacin and ofloxacin: Reaction kinetics, oxidation products and reaction pathways. Chemosphere, 2019, 215, 124-132.	8.2	26
42	Assessment of the hindered transport model in predicting the rejection of trace organic compounds by nanofiltration. Journal of Membrane Science, 2016, 498, 57-66.	8.2	25
43	Pathway fraction of bromate formation during O ₃ and O ₃ /H ₂ O ₂ processes in drinking water treatment. Chemosphere, 2016, 144, 2436-2442.	8.2	22
44	Role of adsorption in combined membrane fouling by biopolymers coexisting with inorganic particles. Chemosphere, 2018, 191, 226-234.	8.2	22
45	Concentration levels of disinfection by-products in 14 swimming pools of China. Frontiers of Environmental Science and Engineering, 2015, 9, 995-1003.	6.0	21
46	Formation of disinfection by-products under influence of shale gas produced water. Science of the Total Environment, 2019, 647, 744-751.	8.0	20
47	Using loose nanofiltration membrane for lake water treatment: A pilot study. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	20
48	Filterability and structure of the fouling layers of biopolymer coexisting with ferric iron in ultrafiltration membrane. Journal of Membrane Science, 2015, 495, 81-90.	8.2	19
49	Isolation and characterization of haloacetic acid-degrading <i>Afipia</i> spp. from drinking water. FEMS Microbiology Letters, 2009, 297, 203-208.	1.8	18
50	The influence of chlorinated aromatics' structure on their adsorption characteristics on activated carbon to tackle chemical spills in drinking water source. Frontiers of Environmental Science and Engineering, 2015, 9, 138-146.	6.0	17
51	The Effects of Various Factors on Ballast Water Treatment Using Crumb Rubber Filtration: Statistic Analysis. Environmental Engineering Science, 2006, 23, 561-569.	1.6	16
52	Impacts of shale gas production wastewater on disinfection byproduct formation: An investigation from a non-bromide perspective. Water Research, 2018, 144, 656-664.	11.3	16
53	Identification of trihaloacetaldehydes in ozonated and chlorinated fulvic acid solutions. Analyst, The, 1993, 118, 71.	3.5	13
54	Azo compound degradation kinetics and halonitromethane formation kinetics during chlorination. Chemosphere, 2017, 174, 110-116.	8.2	13

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55	Oxidation of isoprothiolane by ozone and chlorine: Reaction kinetics and mechanism. <i>Chemosphere</i> , 2019, 232, 516-525.	8.2	13
56	Bromate Control by Dosing Hydrogen Peroxide and Ammonia during Ozonation of the Yellow River Water. <i>Ozone: Science and Engineering</i> , 2015, 37, 127-133.	2.5	12
57	Mechanism and kinetics of halogenated compound removal by metallic iron: Transport in solution, diffusion and reduction within corrosion films. <i>Chemosphere</i> , 2017, 178, 119-128.	8.2	12
58	Pilot study for the treatment of sodium and fluoride-contaminated groundwater by using high-pressure membrane systems. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 155-163.	6.0	11
59	Mass spectra of synthesized mixed bromochloroacetic acids. <i>Organic Mass Spectrometry</i> , 1992, 27, 807-810.	1.3	10
60	Spontaneous methylation of haloacetic acids in methanolic stock solutions. <i>Environmental Science & Technology</i> , 1993, 27, 1232-1234.	10.0	10
61	Effect of bromide on the transformation and genotoxicity of octyl-dimethyl-p-aminobenzoic acid during chlorination. <i>Journal of Hazardous Materials</i> , 2017, 324, 626-633.	12.4	10
62	Determination of ketoacids in drinking water by DNPH derivatization and LC-ESI-MS/MS. <i>Analytical Methods</i> , 2015, 7, 6207-6212.	2.7	9
63	Organic fouling of membrane distillation for shale gas fracturing flowback water desalination: a special interest in the feed properties by pretreatment. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1339-1348.	2.4	9
64	Evaluate HAA removal in biologically active carbon filters using the ICR database. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 489-496.	0.8	8
65	Aerated Electrolysis for Reducing Impacts of Shale Gas Production Wastewater on Water Sources regarding Disinfection Byproduct Formation. <i>Environmental Science and Technology Letters</i> , 2018, 5, 681-686.	8.7	8
66	Study on the influence of operational and management processes of a water reclamation plant since COVID-19 situation. <i>Environmental Pollution</i> , 2021, 285, 117257.	7.5	8
67	Effect of oxidation on nitro-based pharmaceutical degradation and trichloronitromethane formation. <i>Chemosphere</i> , 2016, 146, 154-161.	8.2	7
68	The role of solubility on the rejection of trace organics by nanofiltration membrane: exemplified with disinfection by-products. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18400-18409.	5.3	7
69	Mechanism of ozonation enhanced formation of haloacetaldehydes during subsequent chlorination. <i>Chemosphere</i> , 2019, 236, 124361.	8.2	7
70	Development of a Method to Identify Keto Acids in Ozonated Fulvic Acid Solutions. <i>Journal of Mass Spectrometry</i> , 1997, 32, 99-102.	1.6	6
71	Formation of Halogenated Artifacts In Brominated, Chloraminated, and Chlorinated Solvents. <i>Environmental Science & Technology</i> , 1994, 28, 1357-1360.	10.0	4
72	Odor Control for Land Application of Lime Stabilized Biosolids. <i>Water, Air and Soil Pollution</i> , 2008, 8, 369-378.	0.8	4

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73	Drinking water safety: science, technology, engineering and policy. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 2-2.	6.0	4
74	Disinfection and antimicrobial processes. <i>Water Environment Research</i> , 1995, 67, 475-481.	2.7	3
75	Development of a Capillary Electrophoresis Method for Haloacetic Acids. <i>ACS Symposium Series</i> , 2000, , 356-365.	0.5	3
76	Kinetics and mechanism of haloacetaldehyde formation from the reaction of acetaldehyde and chlorine. <i>Chemosphere</i> , 2021, 283, 131253.	8.2	3
77	Comment on "Identification of Halogenated Compounds in Chlorinated Seawater and Drinking Water Produced Offshore Using n-Pentane Extraction and Open-Loop Stripping Technique". <i>Environmental Science & Technology</i> , 1996, 30, 720-720.	10.0	2
78	Optimization of ozone dosage in an ozone contact tank using a numerical model. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44987-44997.	5.3	2
79	Microbial community structure in a drinking water GAC filter. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 267-271.	2.1	2
80	Detection and Stability of Cyanogen Bromide and Cyanogen Iodide in Drinking Water. <i>Water (Switzerland)</i> , 2022, 14, 1662.	2.7	1
81	Chemical Species. <i>Water Environment Research</i> , 1999, 71, 519-530.	2.7	0