

# Yuefeng F Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,584  
citations

117625

34  
h-index

206112

48  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Stability of Cyanogen Bromide and Cyanogen Iodide in Drinking Water. <i>Water (Switzerland)</i> , 2022, 14, 1662.	2.7	1
2	Using loose nanofiltration membrane for lake water treatment: A pilot study. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	20
3	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
4	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
5	Kinetics and mechanism of haloacetaldehyde formation from the reaction of acetaldehyde and chlorine. <i>Chemosphere</i> , 2021, 283, 131253.	8.2	3
6	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
7	A Facile and Scalable Fabrication Procedure for Thin-Film Composite Membranes: Integration of Phase Inversion and Interfacial Polymerization. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1946-1954.	10.0	56
8	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
9	Porous organic polymer embedded thin-film nanocomposite membranes for enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 602, 117982.	8.2	47
10	Electric field-based ionic control of selective separation layers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4244-4251.	10.3	40
11	The importance of system configuration for distributed direct potable water reuse. <i>Nature Sustainability</i> , 2020, 3, 548-555.	23.7	38
12	Formation of disinfection by-products under influence of shale gas produced water. <i>Science of the Total Environment</i> , 2019, 647, 744-751.	8.0	20
13	Mechanism of ozonation enhanced formation of haloacetaldehydes during subsequent chlorination. <i>Chemosphere</i> , 2019, 236, 124361.	8.2	7
14	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
15	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
16	Impacts of Metal-Organic Frameworks on Structure and Performance of Polyamide Thin-Film Nanocomposite Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13724-13734.	8.0	100
17	Oxidation of isoprothiolane by ozone and chlorine: Reaction kinetics and mechanism. <i>Chemosphere</i> , 2019, 232, 516-525.	8.2	13
18	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

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19	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
20	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
21	Comparison of chlorination behaviors between norfloxacin and ofloxacin: Reaction kinetics, oxidation products and reaction pathways. <i>Chemosphere</i> , 2019, 215, 124-132.	8.2	26
22	Adsorption of pharmaceuticals onto isolated polyamide active layer of NF/RO membranes. <i>Chemosphere</i> , 2018, 200, 36-47.	8.2	50
23	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
24	A comparison of genotoxicity change in reclaimed wastewater from different disinfection processes. <i>Chemosphere</i> , 2018, 191, 335-341.	8.2	27
25	Role of adsorption in combined membrane fouling by biopolymers coexisting with inorganic particles. <i>Chemosphere</i> , 2018, 191, 226-234.	8.2	22
26	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
27	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
28	Impacts of shale gas production wastewater on disinfection byproduct formation: An investigation from a non-bromide perspective. <i>Water Research</i> , 2018, 144, 656-664.	11.3	16
29	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
30	Azo compound degradation kinetics and halonitromethane formation kinetics during chlorination. <i>Chemosphere</i> , 2017, 174, 110-116.	8.2	13
31	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
32	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
33	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
34	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
35	Chlorination of oxybenzone: Kinetics, transformation, disinfection byproducts formation, and genotoxicity changes. <i>Chemosphere</i> , 2016, 154, 521-527.	8.2	35
36	Characterization of haloacetaldehyde and trihalomethane formation potentials during drinking water treatment. <i>Chemosphere</i> , 2016, 159, 378-384.	8.2	35

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37	Effect of oxidation on nitro-based pharmaceutical degradation and trichloronitromethane formation. <i>Chemosphere</i> , 2016, 146, 154-161.	8.2	7
38	Effect of capacitive deionization on disinfection by-product precursors. <i>Science of the Total Environment</i> , 2016, 568, 19-25.	8.0	32
39	Pathway fraction of bromate formation during O <sub>3</sub> and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> processes in drinking water treatment. <i>Chemosphere</i> , 2016, 144, 2436-2442.	8.2	22
40	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
41	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
42	Assessment of the hindered transport model in predicting the rejection of trace organic compounds by nanofiltration. <i>Journal of Membrane Science</i> , 2016, 498, 57-66.	8.2	25
43	Effect of oxidation on amine-based pharmaceutical degradation and N-Nitrosodimethylamine formation. <i>Water Research</i> , 2015, 87, 403-411.	11.3	44
44	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
45	Drinking water safety: science, technology, engineering and policy. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 2-2.	6.0	4
46	Fabrication and anti-biofouling properties of alumina and zeolite nanoparticle embedded ultrafiltration membranes. <i>Desalination</i> , 2015, 365, 70-78.	8.2	81
47	Effect of dissolved oxygen concentration on iron efficiency: Removal of three chloroacetic acids. <i>Water Research</i> , 2015, 73, 342-352.	11.3	48
48	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
49	The influence of chlorinated aromatics' structure on their adsorption characteristics on activated carbon to tackle chemical spills in drinking water source. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 138-146.	6.0	17
50	Concentration levels of disinfection by-products in 14 swimming pools of China. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 995-1003.	6.0	21
51	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
52	Trihalomethane hydrolysis in drinking water at elevated temperatures. <i>Water Research</i> , 2015, 78, 18-27.	11.3	40
53	Filterability and structure of the fouling layers of biopolymer coexisting with ferric iron in ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2015, 495, 81-90.	8.2	19
54	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

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55	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
56	Effects of ozonation on disinfection byproduct formation and speciation during subsequent chlorination. <i>Chemosphere</i> , 2014, 117, 515-520.	8.2	63
57	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
58	Haloacetic acids in swimming pool and spa water in the United States and China. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 820-824.	6.0	26
59	Rejection of nine haloacetic acids and coupled reverse draw solute permeation in forward osmosis. <i>Desalination</i> , 2014, 341, 1-9.	8.2	34
60	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
61	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
62	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
63	Isolation and characterization of haloacetic acid-degrading <i>Afipia</i> spp. from drinking water. <i>FEMS Microbiology Letters</i> , 2009, 297, 203-208.	1.8	18
64	Biodegradation of Haloacetic Acids by Bacterial Isolates and Enrichment Cultures from Drinking Water Systems. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3169-3175.	10.0	87
65	Association between haloacetic acid degradation and heterotrophic bacteria in water distribution systems. <i>Water Research</i> , 2009, 43, 971-978.	11.3	47
66	Odor Control for Land Application of Lime Stabilized Biosolids. <i>Water, Air and Soil Pollution</i> , 2008, 8, 369-378.	0.8	4
67	Recent Advances in Disinfection By-Product Formation, Occurrence, Control, Health Effects, and Regulations. <i>ACS Symposium Series</i> , 2008, , 2-19.	0.5	29
68	Crumb rubber filtration: A potential technology for ballast water treatment. <i>Marine Environmental Research</i> , 2006, 61, 410-423.	2.5	64
69	The Effects of Various Factors on Ballast Water Treatment Using Crumb Rubber Filtration: Statistic Analysis. <i>Environmental Engineering Science</i> , 2006, 23, 561-569.	1.6	16
70	Microbial community structure in a drinking water GAC filter. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 267-271.	2.1	2
71	Analyzing Haloacetic Acids Using Gas Chromatography/Mass Spectrometry. <i>Water Research</i> , 2001, 35, 1599-1602.	11.3	88
72	Development of a Capillary Electrophoresis Method for Haloacetic Acids. <i>ACS Symposium Series</i> , 2000, , 356-365.	0.5	3

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73	Chemical Species. <i>Water Environment Research</i> , 1999, 71, 519-530.	2.7	0
74	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
75	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 &amp; Technology</i> , 1996, 30, 720-720.	10.0	2
76	Disinfection and antimicrobial processes. <i>Water Environment Research</i> , 1995, 67, 475-481.	2.7	3
77	Formation of Halogenated Artifacts In Brominated, Chloraminated, and Chlorinated Solvents. <i>Environmental Science &amp; Technology</i> , 1994, 28, 1357-1360.	10.0	4
78	Identification of trihaloacetaldehydes in ozonated and chlorinated fulvic acid solutions. <i>Analyst</i> , 1993, 118, 71.	3.5	13
79	Spontaneous methylation of haloacetic acids in methanolic stock solutions. <i>Environmental Science &amp; Technology</i> , 1993, 27, 1232-1234.	10.0	10
80	A rapid and simple analytical method for cyanogen chloride and cyanogen bromide in drinking water. <i>Water Research</i> , 1993, 27, 507-511.	11.3	27
81	Mass spectra of synthesized mixed bromochloroacetic acids. <i>Organic Mass Spectrometry</i> , 1992, 27, 807-810.	1.3	10