Bin Xu

List of Publications by Year
in descending order

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45 papers	1,435 citations	279701 23 h-index	315616 38 g-index
45 all docs	45 docs citations	45 times ranked	1523 citing authors

#	Article	IF	Citations
1	Photochemical degradation of diethyl phthalate with UV/H2O2. Journal of Hazardous Materials, 2007, 139, 132-139.	6.5	140
2	Health risk assessment and personal exposure to Volatile Organic Compounds (VOCs) in metro carriages â€" A case study in Shanghai, China. Science of the Total Environment, 2017, 574, 1432-1438.	3.9	112
3	Air quality inside subway metro indoor environment worldwide: A review. Environment International, 2017, 107, 33-46.	4.8	101
4	Detection, formation and occurrence of 13 new polar phenolic chlorinated and brominated disinfection byproducts in drinking water. Water Research, 2017, 112, 129-136.	5.3	89
5	Formation and estimated toxicity of trihalomethanes, haloacetonitriles, and haloacetamides from the chlor(am)ination of acetaminophen. Journal of Hazardous Materials, 2018, 341, 112-119.	6.5	84
6	Transformation among Aromatic Iodinated Disinfection Byproducts in the Presence of Monochloramine: From Monoiodophenol to Triiodophenol and Diiodonitrophenol. Environmental Science & Technology, 2017, 51, 10562-10571.	4.6	72
7	The stability of chlorinated, brominated, and iodinated haloacetamides in drinking water. Water Research, 2018, 142, 490-500.	5.3	67
8	Formation of organic chloramines during chlor(am)ination and UV/chlor(am)ination of algae organic matter in drinking water. Water Research, 2016, 103, 189-196.	5.3	64
9	New phenolic halogenated disinfection byproducts in simulated chlorinated drinking water: Identification, decomposition, and control by ozone-activated carbon treatment. Water Research, 2018, 146, 298-306.	5.3	55
10	Formation of iodinated trihalomethanes and haloacetic acids from aromatic iodinated disinfection byproducts during chloramination. Water Research, 2018, 147, 254-263.	5.3	48
11	Recent progress of silver-containing photocatalysts for water disinfection under visible light irradiation: A review. Science of the Total Environment, 2022, 804, 150024.	3.9	45
12	Chlor(am)ination of iopamidol: Kinetics, pathways and disinfection by-products formation. Chemosphere, 2017, 184, 489-497.	4.2	40
13	Formation of iodinated trihalomethanes during UV/chloramination with iodate as the iodine source. Water Research, 2016, 98, 199-205.	5.3	39
14	Degradation of acrylamide by the UV/chlorine advanced oxidation process. Chemosphere, 2017, 187, 268-276.	4.2	38
15	Ametryn degradation by aqueous chlorine: Kinetics and reaction influences. Journal of Hazardous Materials, 2009, 169, 586-592.	6.5	37
16	Iodinated trihalomethane formation during chloramination of iodate-containing waters in the presence of zero valent iron. Water Research, 2017, 124, 219-226.	5.3	36
17	Zero valent iron produces dichloroacetamide from chloramphenicol antibiotics in the absence of chlorine and chloramines. Water Research, 2016, 104, 254-261.	5.3	35
18	A New Group of Heterocyclic Nitrogenous Disinfection Byproducts (DBPs) in Drinking Water: Role of Extraction pH in Unknown DBP Exploration. Environmental Science & Technology, 2021, 55, 6764-6772.	4.6	34

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19	A study of ambient fine particles at Tianjin International Airport, China. Science of the Total Environment, 2016, 556, 126-135.	3.9	33
20	Commutersâ€™ exposure to PM2.5 and CO2 in metro carriages of Shanghai metro system. Transportation Research, Part D: Transport and Environment, 2016, 47, 162-170.	3.2	30
21	Anion-exchange resin adsorption followed by electrolysis: A new disinfection approach to control halogenated disinfection byproducts in drinking water. Water Research, 2020, 168, 115144.	5.3	30
22	Semi-analytical and computational investigation of different dust loading structures affecting the performance of a fibrous air filter. Particuology, 2014, 13, 60-65.	2.0	26
23	Fundamentals of Ornamental Plants in Removing Benzene in Indoor Air. Atmosphere, 2019, 10, 221.	1.0	24
24	Decomposition of Î²-N-methylamino-L-alanine (BMAA) and 2,4-diaminobutyric acid (DAB) during chlorination and consequentÂdisinfection byproducts formation. Water Research, 2019, 159, 365-374.	5.3	21
25	Using stable isotope labeling to study the nitrogen metabolism in Anabaena flos-aquae growth and anatoxin biosynthesis. Water Research, 2017, 127, 223-229.	5.3	16
26	Detection, transformation, and toxicity of indole-derivative nonsteroidal anti-inflammatory drugs during chlorine disinfection. Chemosphere, 2020, 260, 127579.	4.2	16
27	Degradation of endocrine disruptor bisphenol A in drinking water by ozone oxidation. Frontiers of Environmental Science and Engineering in China, 2007, 1, 350-356.	0.8	13
28	Mechanisms and performance of calcium peroxide-enhanced Fe(<scp>ii</scp>) coagulation for treatment of Microcystis aeruginosa-laden water. Environmental Science: Water Research and Technology, 2020, 6, 1272-1285.	1.2	12
29	Characterization and Risk Assessment of Particulate Matter and Volatile Organic Compounds in Metro Carriage in Shanghai, China. Atmosphere, 2019, 10, 302.	1.0	10
30	Commuter exposure to particle matter and carbon dioxide inside high-speed rail carriages. Transportation Research, Part D: Transport and Environment, 2013, 20, 1-6.	3.2	9
31	Research on the characteristics of transverse dynamic stiffness of an inclined shallow cable. JVC/Journal of Vibration and Control, 2016, 22, 812-825.	1.5	9
32	Degradation of acrylamide during chlorination as a precursor of haloacetonitriles and haloacetamides. Science of the Total Environment, 2018, 615, 38-46.	3.9	9
33	In vivo toxicity evaluations of halophenolic disinfection byproducts in drinking water: A multi-omics analysis of toxic mechanisms. Water Research, 2022, 218, 118431.	5.3	8
34	Highly efficient chloramphenicol degradation by UV and UV/H 2 O 2 processes based on LED light source. Water Environment Research, 2020, 92, 2049-2059.	1.3	6
35	A PSO Driven Intelligent Model Updating and Parameter Identification Scheme for Cable-Damper System. Shock and Vibration, 2015, 2015, 1-14.	0.3	5
36	Intelligent parameter identification for bridge cables based on characteristic frequency equation of transverse dynamic stiffness. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 678-689.	1.3	5

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37	Effects of solid particles with various charging states and oil aerosols on the filtration characteristics of electret media. Indoor and Built Environment, 2020, , 1420326X2093220.	1.5	4
38	Parameter Identification of Main Cables of Cable Suspension Structures Based on Vibration Monitoring of Cable: Methodology and Experimental Verification. Journal of Structural Engineering, 2021, 147, .	1.7	4
39	Frequency-Domain Estimation Method for Vibration-Induced Additional Cable Tension Based on Acceleration Monitoring. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.0	3
40	Investigation of Molecular Mean Free Path, Molecular Kinetic Energy, and Molecular Polarity Affecting Knudsen Diffusivity along Pore Channels. Separations, 2022, 9, 130.	1.1	3
41	Fouling investigation of cartridge filter (CF) used as â€œfirewallâ€•in a nanofiltration drinking water plant. Environmental Research, 2022, 212, 113289.	3.7	2
42	Extending the Dynamic Stixel World with B-Spline based Road Estimation for Obstacle Detection. , 2018, , .		1
43	The Wind-Frequency Allocation Method on Discharge Loading of Function Zones. Journal of the Air and Waste Management Association, 2002, 52, 714-718.	0.9	0
44	Enhancing trace acrylamide analysis by bromine derivatization coupled with direct-immersion solid-phase microextraction in drinking water. Environmental Technology (United Kingdom), 2020, 42, 1-8.	1.2	0
45	TRENDS AND PERFORMANCES OF THE ALGAL BIOFUEL: A BIBLIOMETRIC APPROACH. Journal of Environmental Engineering and Landscape Management, 2022, 30, 284-300.	0.4	0