

Bin Xu

List of Publications by Year in descending order

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45
papers

1,435
citations

279701

23
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315616

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all docs

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docs citations

45
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress of silver-containing photocatalysts for water disinfection under visible light irradiation: A review. <i>Science of the Total Environment</i> , 2022, 804, 150024.	3.9	45
2	In vivo toxicity evaluations of halophenolic disinfection byproducts in drinking water: A multi-omics analysis of toxic mechanisms. <i>Water Research</i> , 2022, 218, 118431.	5.3	8
3	Fouling investigation of cartridge filter (CF) used as "firewall" in a nanofiltration drinking water plant. <i>Environmental Research</i> , 2022, 212, 113289.	3.7	2
4	Investigation of Molecular Mean Free Path, Molecular Kinetic Energy, and Molecular Polarity Affecting Knudsen Diffusivity along Pore Channels. <i>Separations</i> , 2022, 9, 130.	1.1	3
5	TRENDS AND PERFORMANCES OF THE ALGAL BIOFUEL: A BIBLIOMETRIC APPROACH. <i>Journal of Environmental Engineering and Landscape Management</i> , 2022, 30, 284-300.	0.4	0
6	A New Group of Heterocyclic Nitrogenous Disinfection Byproducts (DBPs) in Drinking Water: Role of Extraction pH in Unknown DBP Exploration. <i>Environmental Science & Technology</i> , 2021, 55, 6764-6772.	4.6	34
7	Parameter Identification of Main Cables of Cable Suspension Structures Based on Vibration Monitoring of Cable: Methodology and Experimental Verification. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	4
8	Intelligent parameter identification for bridge cables based on characteristic frequency equation of transverse dynamic stiffness. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 678-689.	1.3	5
9	Anion-exchange resin adsorption followed by electrolysis: A new disinfection approach to control halogenated disinfection byproducts in drinking water. <i>Water Research</i> , 2020, 168, 115144.	5.3	30
10	Detection, transformation, and toxicity of indole-derivative nonsteroidal anti-inflammatory drugs during chlorine disinfection. <i>Chemosphere</i> , 2020, 260, 127579.	4.2	16
11	Highly efficient chloramphenicol degradation by UV and UV/H ₂ O ₂ processes based on LED light source. <i>Water Environment Research</i> , 2020, 92, 2049-2059.	1.3	6
12	Effects of solid particles with various charging states and oil aerosols on the filtration characteristics of electret media. <i>Indoor and Built Environment</i> , 2020, , 1420326X2093220.	1.5	4
13	Mechanisms and performance of calcium peroxide-enhanced Fe(II) coagulation for treatment of <i>Microcystis aeruginosa</i> -laden water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1272-1285.	1.2	12
14	Enhancing trace acrylamide analysis by bromine derivatization coupled with direct-immersion solid-phase microextraction in drinking water. <i>Environmental Technology (United Kingdom)</i> , 2020, 42, 1-8.	1.2	0
15	Characterization and Risk Assessment of Particulate Matter and Volatile Organic Compounds in Metro Carriage in Shanghai, China. <i>Atmosphere</i> , 2019, 10, 302.	1.0	10
16	Fundamentals of Ornamental Plants in Removing Benzene in Indoor Air. <i>Atmosphere</i> , 2019, 10, 221.	1.0	24
17	Decomposition of ¹² N-methylamino-L-alanine (BMAA) and 2,4-diaminobutyric acid (DAB) during chlorination and consequent disinfection byproducts formation. <i>Water Research</i> , 2019, 159, 365-374.	5.3	21
18	Frequency-Domain Estimation Method for Vibration-Induced Additional Cable Tension Based on Acceleration Monitoring. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019, 141, .	1.0	3

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19	Formation and estimated toxicity of trihalomethanes, haloacetonitriles, and haloacetamides from the chlor(am)ination of acetaminophen. <i>Journal of Hazardous Materials</i> , 2018, 341, 112-119.	6.5	84
20	Degradation of acrylamide during chlorination as a precursor of haloacetonitriles and haloacetamides. <i>Science of the Total Environment</i> , 2018, 615, 38-46.	3.9	9
21	Extending the Dynamic Stixel World with B-Spline based Road Estimation for Obstacle Detection. , 2018, , .		1
22	Formation of iodinated trihalomethanes and haloacetic acids from aromatic iodinated disinfection byproducts during chloramination. <i>Water Research</i> , 2018, 147, 254-263.	5.3	48
23	New phenolic halogenated disinfection byproducts in simulated chlorinated drinking water: Identification, decomposition, and control by ozone-activated carbon treatment. <i>Water Research</i> , 2018, 146, 298-306.	5.3	55
24	The stability of chlorinated, brominated, and iodinated haloacetamides in drinking water. <i>Water Research</i> , 2018, 142, 490-500.	5.3	67
25	Detection, formation and occurrence of 13 new polar phenolic chlorinated and brominated disinfection byproducts in drinking water. <i>Water Research</i> , 2017, 112, 129-136.	5.3	89
26	Chlor(am)ination of iopamidol: Kinetics, pathways and disinfection by-products formation. <i>Chemosphere</i> , 2017, 184, 489-497.	4.2	40
27	Using stable isotope labeling to study the nitrogen metabolism in <i>Anabaena flos-aquae</i> growth and anatoxin biosynthesis. <i>Water Research</i> , 2017, 127, 223-229.	5.3	16
28	Degradation of acrylamide by the UV/chlorine advanced oxidation process. <i>Chemosphere</i> , 2017, 187, 268-276.	4.2	38
29	Iodinated trihalomethane formation during chloramination of iodate-containing waters in the presence of zero valent iron. <i>Water Research</i> , 2017, 124, 219-226.	5.3	36
30	Transformation among Aromatic Iodinated Disinfection Byproducts in the Presence of Monochloramine: From Monoiodophenol to Triiodophenol and Diiodonitrophenol. <i>Environmental Science & Technology</i> , 2017, 51, 10562-10571.	4.6	72
31	Air quality inside subway metro indoor environment worldwide: A review. <i>Environment International</i> , 2017, 107, 33-46.	4.8	101
32	Health risk assessment and personal exposure to Volatile Organic Compounds (VOCs) in metro carriages – A case study in Shanghai, China. <i>Science of the Total Environment</i> , 2017, 574, 1432-1438.	3.9	112
33	Formation of iodinated trihalomethanes during UV/chloramination with iodate as the iodine source. <i>Water Research</i> , 2016, 98, 199-205.	5.3	39
34	A study of ambient fine particles at Tianjin International Airport, China. <i>Science of the Total Environment</i> , 2016, 556, 126-135.	3.9	33
35	Formation of organic chloramines during chlor(am)ination and UV/chlor(am)ination of algae organic matter in drinking water. <i>Water Research</i> , 2016, 103, 189-196.	5.3	64
36	Zero valent iron produces dichloroacetamide from chloramphenicol antibiotics in the absence of chlorine and chloramines. <i>Water Research</i> , 2016, 104, 254-261.	5.3	35

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37	Commuters' 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
38	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
39	A PSO Driven Intelligent Model Updating and Parameter Identification Scheme for Cable-Damper System. Shock and Vibration, 2015, 2015, 1-14.	0.3	5
40	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
41	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
42	Ametryn degradation by aqueous chlorine: Kinetics and reaction influences. Journal of Hazardous Materials, 2009, 169, 586-592.	6.5	37
43	Photochemical degradation of diethyl phthalate with UV/H2O2. Journal of Hazardous Materials, 2007, 139, 132-139.	6.5	140
44	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
45	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