Huiyu Dong

List of Publications by Year
in descending order

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77	2,608	159573	206102
papers	citations	30 h-index	48 g-index

79	79	79	2522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Ultrafiltration Process Enhances Antibiotic Removal in the Full-Scale Advanced Treatment of Drinking Water. Engineering, 2023, 28, 16-20.	6.7	4
2	Haloarchaea, excellent candidates for removing pollutants from hypersaline wastewater. Trends in Biotechnology, 2022, 40, 226-239.	9.3	25
3	Insights into nitrogen removal from seawater-based wastewater through marine anammox bacteria under ampicillin stress: Microbial community evolution and genetic response. Journal of Hazardous Materials, 2022, 424, 127597.	12.4	10
4	Formation of halonitromethanes from methylamine in the presence of bromide during UV/Cl2 disinfection. Journal of Environmental Sciences, 2022, 117, 28-36.	6.1	7
5	Is Mn(III) a principal oxidant for trace organic contaminant abatement in permanganate/bisulfate process?. Chemical Engineering Journal, 2022, 433, 134548.	12.7	4
6	Co-occurrence of odor-causing dioxanes and dioxolanes with bis(2-chloro-1-methylethyl) ether in Huangpu River source water and fates in O3-BAC process. Journal of Hazardous Materials, 2022, 430, 128435.	12.4	8
7	Metabonomic and transcriptomic modulations of HepG2 cells induced by the CuO-catalyzed formation of disinfection byproducts from biofilm extracellular polymeric substances in copper pipes. Water Research, 2022, 216, 118318.	11.3	2
8	Unraveling the multiple roles of VUV mediated hydroxyl radical in VUV/UV/chlorine process: Kinetic simulation, mechanistic consideration and byproducts formation. Chemical Engineering Journal, 2022, 446, 137066.	12.7	14
9	Nitrogen removal mechanism of marine anammox bacteria treating nitrogen-laden saline wastewater in response to ultraviolet (UV) irradiation: High UV tolerance and microbial community shift. Bioresource Technology, 2021, 320, 124325.	9.6	13
10	Preparation of green biosorbent using rice hull to preconcentrate, remove and recover heavy metal and other metal elements from water. Chemosphere, 2021, 262, 127940.	8.2	38
11	Transformation of iopamidol and atrazine by peroxymonosulfate under catalysis of a composite iron corrosion product (Fe/Fe3O4): Electron transfer, active species and reaction pathways. Journal of Hazardous Materials, 2021, 403, 123553.	12.4	25
12	Formation of carbonaceous and nitrogenous iodinated disinfection byproducts from biofilm extracellular polymeric substances by the oxidation of iodide-containing waters with lead dioxide. Water Research, 2021, 188, 116551.	11.3	14
13	Effective abatement of 29 pesticides in full-scale advanced treatment processes of drinking water: From concentration to human exposure risk. Journal of Hazardous Materials, 2021, 403, 123986.	12.4	35
14	Insights into microbial community variability and functional genes of various Candidatus Scalindua-based anammox processes treating nitrogen-rich saline wastewater. Science of the Total Environment, 2021, 766, 142544.	8.0	6
15	Sulfate radical-based advanced oxidation processes for industrial wastewater treatment. , 2021, , 431-462.		2
16	Deciphering nitrogen removal mechanism through marine anammox bacteria treating nitrogen-laden saline wastewater under various phosphate doses: Microbial community shift and phosphate crystal. Bioresource Technology, 2021, 325, 124707.	9.6	12
17	Unraveling the nitrogen removal properties and microbial characterization of â€œCandidatus Scalinduaâ€•dominated consortia treating seawater-based wastewater. Science of the Total Environment, 2021, 786, 147470.	8.0	10
18	Removal of disinfection by-product precursors in drinking water treatment processes: Is fluorescence parallel factor analysis a promising indicator?. Journal of Hazardous Materials, 2021, 418, 126298.	12.4	16

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19	Accelerated degradation of pharmaceuticals by ferrous ion/chlorine process: Roles of Fe(IV) and reactive chlorine species. Science of the Total Environment, 2021, 787, 147584.	8.0	15
20	Tracking spatio-temporal dynamics of fluorescence characteristics of Huangpu River, China by parallel factor analysis: Correlation with disinfection by-product precursor and pesticide level variations. Chemosphere, 2021, 283, 131198.	8.2	15
21	Insight into quorum sensing and microbial community of an anammox consortium in response to salt stress: From â€œCandaditus Brocadiaâ€•to â€œCandaditus Scalinduaâ€• Science of the Total Environment, 2021, 796, 148979.	8.0	15
22	Formation control of bromate and trihalomethanes during ozonation of bromide-containing water with chemical addition: Hydrogen peroxide or ammonia?. Journal of Environmental Sciences, 2021, 110, 111-118.	6.1	1
23	Disinfection by-product (DBP) research in China: Are we on the track?. Journal of Environmental Sciences, 2021, 110, 99-110.	6.1	28
24	Activation of organic chloramine by UV photolysis: A non-negligible oxidant for micro-pollutant abatement and disinfection by-product formation. Water Research, 2021, 207, 117795.	11.3	11
25	Impact of carrier on ammonia and organics removal from zero-discharge marine recirculating aquaculture system with sequencing batch biofilm reactor (SBBR). Environmental Science and Pollution Research, 2020, 27, 34614-34623.	5.3	6
26	Why does dissolved oxygen govern Mn(III) formation and micro-pollutant abatement in the permanganate/bisulfite process?. Chemical Engineering Journal, 2020, 391, 123556.	12.7	12
27	UV activated monochloramine promotes metribuzin degradation and disinfection by-products formation. Chemical Engineering Journal, 2020, 385, 123846.	12.7	28
28	Kinetic and mechanistic insights into the abatement of clofibric acid by integrated UV/ozone/peroxydisulfate process: A modeling and theoretical study. Water Research, 2020, 186, 116336.	11.3	37
29	Occurrences of 29 pesticides in the Huangpu River, China: Highest ecological risk identified in Shanghai metropolitan area. Chemosphere, 2020, 251, 126411.	8.2	71
30	Homogeneous activation of bisulfite by transition metals for micro-pollutant degradation: Mn(VII) versus Cr(VI). Chemical Engineering Journal, 2020, 394, 124814.	12.7	13
31	Accelerated oxidation of iopamidol by ozone/peroxymonosulfate (O3/PMS) process: Kinetics, mechanism, and simultaneous reduction of iodinated disinfection by-product formation potential. Water Research, 2020, 173, 115615.	11.3	77
32	Organic Amines Enhance the Formation of Iodinated Trihalomethanes during Chlorination of Iodide-Containing Waters. Environmental Science & Technology, 2020, 54, 4651-4657.	10.0	19
33	Effect-Directed Analysis (EDA): A Promising Tool for Nontarget Identification of Unknown Disinfection Byproducts in Drinking Water. Environmental Science & Technology, 2020, 54, 1290-1292.	10.0	39
34	Enhancement of micropollutant degradation in UV/H2O2 process via iron-containing coagulants. Water Research, 2020, 172, 115497.	11.3	18
35	Nitrogen removal performance of marine anammox bacteria treating nitrogen-rich saline wastewater under different inorganic carbon doses: High inorganic carbon tolerance and carbonate crystal formation. Bioresource Technology, 2019, 288, 121565.	9.6	21
36	Enhanced nitrogen removal through marine anammox bacteria (MAB) treating nitrogen-rich saline wastewater with Fe(III) addition: Nitrogen shock loading and community structure. Bioresource Technology, 2019, 287, 121405.	9.6	36

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37	Accelerated degradation of pesticide by permanganate oxidation: A comparison of organic and inorganic activations. Chemical Engineering Journal, 2019, 369, 1119-1128.	12.7	19
38	Formation of Iodinated Disinfection Byproducts (I-DBPs) in Drinking Water: Emerging Concerns and Current Issues. Accounts of Chemical Research, 2019, 52, 896-905.	15.6	144
39	Degradation of iodinated disinfection byproducts by VUV/UV process based on a mini-fluidic VUV/UV photoreaction system. Water Research, 2019, 158, 417-423.	11.3	36
40	Adsorption of phenolic compounds from water by a novel ethylenediamine rosin-based resin: Interaction models and adsorption mechanisms. Chemosphere, 2019, 214, 821-829.	8.2	61
41	Impacts of water quality on the corrosion of cast iron pipes for water distribution and proposed source water switch strategy. Water Research, 2018, 129, 428-435.	11.3	85
42	Effects of bromide and iodide on the chlorination of diclofenac: Accelerated chlorination and enhanced formation of disinfection by-products. Separation and Purification Technology, 2018, 193, 415-420.	7.9	16
43	Oxidation of iopamidol with ferrate (Fe(VI)): Kinetics and formation of toxic iodinated disinfection by-products. Water Research, 2018, 130, 200-207.	11.3	40
44	Enhanced performance and kinetics of marine anammox bacteria (MAB) treating nitrogen-rich saline wastewater with Mn(II) and Ni(II) addition. Bioresource Technology, 2018, 249, 1085-1091.	9.6	31
45	Deiodination of iopamidol by zero valent iron (ZVI) enhances formation of iodinated disinfection by-products during chloramination. Water Research, 2018, 129, 319-326.	11.3	31
46	Nitrogen removal through â€œCandidatus Brocadia sinicaâ€•treating high-salinity and low-temperature wastewater with glycine addition: Enhanced performance and kinetics. Bioresource Technology, 2018, 270, 755-761.	9.6	21
47	Formation of trihalomethanes in swimming pool waters using sodium dichloroisocyanurate as an alternative disinfectant. Water Science and Technology, 2018, 78, 1633-1641.	2.5	7
48	Is anammox a promising treatment process for nitrogen removal from nitrogen-rich saline wastewater?. Bioresource Technology, 2018, 270, 722-731.	9.6	84
49	Performance of anammox process treating nitrogen-rich saline wastewater: Kinetics and nitrite inhibition. Journal of Cleaner Production, 2018, 199, 493-502.	9.3	48
50	Quinone group enhances the degradation of levofloxacin by aqueous permanganate: Kinetics and mechanism. Water Research, 2018, 143, 109-116.	11.3	51
51	TRIM29 as a prognostic predictor for multiple human malignant neoplasms: a systematic review and meta-analysis. Oncotarget, 2018, 9, 12323-12332.	1.8	9
52	Accelerated degradation of iopamidol in iron activated persulfate systems: Roles of complexing agents. Chemical Engineering Journal, 2017, 316, 288-295.	12.7	85
53	Enhanced degradation of iopamidol by peroxymonosulfate catalyzed by two pipe corrosion products (CuO and Î´-MnO 2). Water Research, 2017, 112, 1-8.	11.3	123
54	Nitrogen removal performance of anaerobic ammonia oxidation (ANAMMOX) in presence of organic matter. Biodegradation, 2017, 28, 159-170.	3.0	15

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55	Degradation of nitro-based pharmaceuticals by UV photolysis: Kinetics and simultaneous reduction on halonitromethanes formation potential. Water Research, 2017, 119, 83-90.	11.3	32
56	Nitrogen removal performance and operation strategy of anammox process under temperature shock. Biodegradation, 2017, 28, 261-274.	3.0	41
57	Performance and kinetics of ANAMMOX granular sludge with pH shock in a sequencing batch reactor. Biodegradation, 2017, 28, 245-259.	3.0	27
58	Degradation of chloramphenicol by UV/chlorine treatment: Kinetics, mechanism and enhanced formation of halonitromethanes. Water Research, 2017, 121, 178-185.	11.3	144
59	Effect of carbon source on nitrogen removal in anaerobic ammonium oxidation (anammox) process. Journal of Bioscience and Bioengineering, 2017, 123, 497-504.	2.2	24
60	Effect of influent substrate ratio on anammox granular sludge: performance and kinetics. Biodegradation, 2017, 28, 437-452.	3.0	19
61	Formation of iodo-trihalomethanes, iodo-acetic acids, and iodo-acetamides during chloramination of iodide-containing waters: Factors influencing formation and reaction pathways. Journal of Hazardous Materials, 2017, 321, 28-36.	12.4	51
62	Promoted oxidation of diclofenac with ferrate (Fe(VI)): Role of ABTS as the electron shuttle. Journal of Hazardous Materials, 2017, 336, 65-70.	12.4	32
63	Genetic variants in RhoA and ROCK1 genes are associated with the development, progression and prognosis of prostate cancer. Oncotarget, 2017, 8, 19298-19309.	1.8	10
64	Overexpression of CAPN2 promotes cell metastasis and proliferation via AKT/mTOR signaling in renal cell carcinoma. Oncotarget, 2017, 8, 97811-97821.	1.8	23
65	Innovative photo-Fenton catalysis by PE-FeOx films leading to methylene blue (MB) degradation: Kinetics, surface properties and mechanism. Applied Catalysis A: General, 2016, 519, 68-77.	4.3	18
66	Enhanced formation of bromate and brominated disinfection byproducts during chlorination of bromide-containing waters under catalysis of copper corrosion products. Water Research, 2016, 98, 302-308.	11.3	34
67	Occurrence and removal of antibiotics in ecological and conventional wastewater treatment processes: A field study. Journal of Environmental Management, 2016, 178, 11-19.	7.8	140
68	Promoted discoloration of methyl orange in H2O2/Fe(III) Fenton system: Effects of gallic acid on iron cycling. Separation and Purification Technology, 2016, 171, 144-150.	7.9	72
69	Formation and speciation of disinfection byproducts during chlor(am)ination of aquarium seawater. Journal of Environmental Sciences, 2015, 33, 116-124.	6.1	16
70	Formation of disinfection byproducts in a recirculating mariculture system: emerging concerns. Environmental Sciences: Processes and Impacts, 2015, 17, 471-477.	3.5	10
71	Operation performance of an A/A/O process coupled with excess sludge ozonation and phosphorus recovery: A pilot-scale study. Chemical Engineering Journal, 2015, 268, 162-169.	12.7	35
72	An in vitro and in vivo study on the synergistic effect and mechanism of itraconazole or voriconazole alone and in combination with tetrandrine against Aspergillus fumigatus. Journal of Medical Microbiology, 2015, 64, 1008-1020.	1.8	7

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73	A comparison of various rural wastewater treatment processes for the removal of endocrine-disrupting chemicals (EDCs). Chemosphere, 2013, 92, 986-992.	8.2	81
74	Monitoring free chlorine and free bromine in aquarium seawater treated by ozone. Analytical Methods, 2012, 4, 3646.	2.7	16
75	Evaluation of rural wastewater treatment processes in a county of eastern China. Journal of Environmental Monitoring, 2012, 14, 1906.	2.1	31
76	Effect of artificial aeration on the performance of vertical-flow constructed wetland treating heavily polluted river water. Journal of Environmental Sciences, 2012, 24, 596-601.	6.1	129
77	Screening and degradation performances of dominant strains in high-salinity landfill leachate. Applied Microbiology and Biotechnology, 2009, 84, 357-364.	3.6	3