

Huiyu Dong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5246264/publications.pdf>

Version: 2024-02-01

77
papers

2,608
citations

182225

30
h-index

232693

48
g-index

79
all docs

79
docs citations

79
times ranked

2760
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ultrafiltration Process Enhances Antibiotic Removal in the Full-Scale Advanced Treatment of Drinking Water. <i>Engineering</i> , 2023, 28, 16-20.	3.2	4
2	Haloarchaea, excellent candidates for removing pollutants from hypersaline wastewater. <i>Trends in Biotechnology</i> , 2022, 40, 226-239.	4.9	25
3	Insights into nitrogen removal from seawater-based wastewater through marine anammox bacteria under ampicillin stress: Microbial community evolution and genetic response. <i>Journal of Hazardous Materials</i> , 2022, 424, 127597.	6.5	10
4	Formation of halonitromethanes from methylamine in the presence of bromide during UV/Cl ₂ disinfection. <i>Journal of Environmental Sciences</i> , 2022, 117, 28-36.	3.2	7
5	Is Mn(III) a principal oxidant for trace organic contaminant abatement in permanganate/bisulfate process?. <i>Chemical Engineering Journal</i> , 2022, 433, 134548.	6.6	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 O ₃ -BAC process. <i>Journal of Hazardous Materials</i> , 2022, 430, 128435.	6.5	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. <i>Water Research</i> , 2022, 216, 118318.	5.3	2
8	Unraveling the multiple roles of VUV mediated hydroxyl radical in VUV/UV/chlorine process: Kinetic simulation, mechanistic consideration and byproducts formation. <i>Chemical Engineering Journal</i> , 2022, 446, 137066.	6.6	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. <i>Bioresource Technology</i> , 2021, 320, 124325.	4.8	13
10	Preparation of green biosorbent using rice hull to preconcentrate, remove and recover heavy metal and other metal elements from water. <i>Chemosphere</i> , 2021, 262, 127940.	4.2	38
11	Transformation of iopamidol and atrazine by peroxymonosulfate under catalysis of a composite iron corrosion product (Fe/Fe ₃ O ₄): Electron transfer, active species and reaction pathways. <i>Journal of Hazardous Materials</i> , 2021, 403, 123553.	6.5	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. <i>Water Research</i> , 2021, 188, 116551.	5.3	14
13	Effective abatement of 29 pesticides in full-scale advanced treatment processes of drinking water: From concentration to human exposure risk. <i>Journal of Hazardous Materials</i> , 2021, 403, 123986.	6.5	35
14	Insights into microbial community variability and functional genes of various <i>Candidatus Scalindua</i> -based anammox processes treating nitrogen-rich saline wastewater. <i>Science of the Total Environment</i> , 2021, 766, 142544.	3.9	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. <i>Bioresource Technology</i> , 2021, 325, 124707.	4.8	12
17	Unraveling the nitrogen removal properties and microbial characterization of <i>Candidatus Scalindua</i> -dominated consortia treating seawater-based wastewater. <i>Science of the Total Environment</i> , 2021, 786, 147470.	3.9	10
18	Removal of disinfection by-product precursors in drinking water treatment processes: Is fluorescence parallel factor analysis a promising indicator?. <i>Journal of Hazardous Materials</i> , 2021, 418, 126298.	6.5	16

#	ARTICLE	IF	CITATIONS
19	Accelerated degradation of pharmaceuticals by ferrous ion/chlorine process: Roles of Fe(IV) and reactive chlorine species. <i>Science of the Total Environment</i> , 2021, 787, 147584.	3.9	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. <i>Chemosphere</i> , 2021, 283, 131198.	4.2	15
21	Insight into quorum sensing and microbial community of an anammox consortium in response to salt stress: From <i>Candidatus Brocadia</i> to <i>Candidatus Scalindua</i> . <i>Science of the Total Environment</i> , 2021, 796, 148979.	3.9	15
22	Formation control of bromate and trihalomethanes during ozonation of bromide-containing water with chemical addition: Hydrogen peroxide or ammonia?. <i>Journal of Environmental Sciences</i> , 2021, 110, 111-118.	3.2	1
23	Disinfection by-product (DBP) research in China: Are we on the track?. <i>Journal of Environmental Sciences</i> , 2021, 110, 99-110.	3.2	28
24	Activation of organic chloramine by UV photolysis: A non-negligible oxidant for micro-pollutant abatement and disinfection by-product formation. <i>Water Research</i> , 2021, 207, 117795.	5.3	11
25	Impact of carrier on ammonia and organics removal from zero-discharge marine recirculating aquaculture system with sequencing batch biofilm reactor (SBBR). <i>Environmental Science and Pollution Research</i> , 2020, 27, 34614-34623.	2.7	6
26	Why does dissolved oxygen govern Mn(III) formation and micro-pollutant abatement in the permanganate/bisulfite process?. <i>Chemical Engineering Journal</i> , 2020, 391, 123556.	6.6	12
27	UV activated monochloramine promotes metribuzin degradation and disinfection by-products formation. <i>Chemical Engineering Journal</i> , 2020, 385, 123846.	6.6	28
28	Kinetic and mechanistic insights into the abatement of clofibric acid by integrated UV/ozone/peroxydisulfate process: A modeling and theoretical study. <i>Water Research</i> , 2020, 186, 116336.	5.3	37
29	Occurrences of 29 pesticides in the Huangpu River, China: Highest ecological risk identified in Shanghai metropolitan area. <i>Chemosphere</i> , 2020, 251, 126411.	4.2	71
30	Homogeneous activation of bisulfite by transition metals for micro-pollutant degradation: Mn(VII) versus Cr(VI). <i>Chemical Engineering Journal</i> , 2020, 394, 124814.	6.6	13
31	Accelerated oxidation of iopamidol by ozone/peroxymonosulfate (O ₃ /PMS) process: Kinetics, mechanism, and simultaneous reduction of iodinated disinfection by-product formation potential. <i>Water Research</i> , 2020, 173, 115615.	5.3	77
32	Organic Amines Enhance the Formation of Iodinated Trihalomethanes during Chlorination of Iodide-Containing Waters. <i>Environmental Science & Technology</i> , 2020, 54, 4651-4657.	4.6	19
33	Effect-Directed Analysis (EDA): A Promising Tool for Nontarget Identification of Unknown Disinfection Byproducts in Drinking Water. <i>Environmental Science & Technology</i> , 2020, 54, 1290-1292.	4.6	39
34	Enhancement of micropollutant degradation in UV/H ₂ O ₂ process via iron-containing coagulants. <i>Water Research</i> , 2020, 172, 115497.	5.3	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. <i>Bioresource Technology</i> , 2019, 288, 121565.	4.8	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. <i>Bioresource Technology</i> , 2019, 287, 121405.	4.8	36

#	ARTICLE	IF	CITATIONS
37	Accelerated degradation of pesticide by permanganate oxidation: A comparison of organic and inorganic activations. <i>Chemical Engineering Journal</i> , 2019, 369, 1119-1128.	6.6	19
38	Formation of Iodinated Disinfection Byproducts (I-DBPs) in Drinking Water: Emerging Concerns and Current Issues. <i>Accounts of Chemical Research</i> , 2019, 52, 896-905.	7.6	144
39	Degradation of iodinated disinfection byproducts by VUV/UV process based on a mini-fluidic VUV/UV photoreaction system. <i>Water Research</i> , 2019, 158, 417-423.	5.3	36
40	Adsorption of phenolic compounds from water by a novel ethylenediamine rosin-based resin: Interaction models and adsorption mechanisms. <i>Chemosphere</i> , 2019, 214, 821-829.	4.2	61
41	Impacts of water quality on the corrosion of cast iron pipes for water distribution and proposed source water switch strategy. <i>Water Research</i> , 2018, 129, 428-435.	5.3	85
42	Effects of bromide and iodide on the chlorination of diclofenac: Accelerated chlorination and enhanced formation of disinfection by-products. <i>Separation and Purification Technology</i> , 2018, 193, 415-420.	3.9	16
43	Oxidation of iopamidol with ferrate (Fe(VI)): Kinetics and formation of toxic iodinated disinfection by-products. <i>Water Research</i> , 2018, 130, 200-207.	5.3	40
44	Enhanced performance and kinetics of marine anammox bacteria (MAB) treating nitrogen-rich saline wastewater with Mn(II) and Ni(II) addition. <i>Bioresource Technology</i> , 2018, 249, 1085-1091.	4.8	31
45	Deiodination of iopamidol by zero valent iron (ZVI) enhances formation of iodinated disinfection by-products during chloramination. <i>Water Research</i> , 2018, 129, 319-326.	5.3	31
46	Nitrogen removal through <i>Candidatus Brocadia sinica</i> treating high-salinity and low-temperature wastewater with glycine addition: Enhanced performance and kinetics. <i>Bioresource Technology</i> , 2018, 270, 755-761.	4.8	21
47	Formation of trihalomethanes in swimming pool waters using sodium dichloroisocyanurate as an alternative disinfectant. <i>Water Science and Technology</i> , 2018, 78, 1633-1641.	1.2	7
48	Is anammox a promising treatment process for nitrogen removal from nitrogen-rich saline wastewater?. <i>Bioresource Technology</i> , 2018, 270, 722-731.	4.8	84
49	Performance of anammox process treating nitrogen-rich saline wastewater: Kinetics and nitrite inhibition. <i>Journal of Cleaner Production</i> , 2018, 199, 493-502.	4.6	48
50	Quinone group enhances the degradation of levofloxacin by aqueous permanganate: Kinetics and mechanism. <i>Water Research</i> , 2018, 143, 109-116.	5.3	51
51	TRIM29 as a prognostic predictor for multiple human malignant neoplasms: a systematic review and meta-analysis. <i>Oncotarget</i> , 2018, 9, 12323-12332.	0.8	9
52	Accelerated degradation of iopamidol in iron activated persulfate systems: Roles of complexing agents. <i>Chemical Engineering Journal</i> , 2017, 316, 288-295.	6.6	85
53	Enhanced degradation of iopamidol by peroxymonosulfate catalyzed by two pipe corrosion products (CuO and γ -MnO ₂). <i>Water Research</i> , 2017, 112, 1-8.	5.3	123
54	Nitrogen removal performance of anaerobic ammonia oxidation (ANAMMOX) in presence of organic matter. <i>Biodegradation</i> , 2017, 28, 159-170.	1.5	15

#	ARTICLE	IF	CITATIONS
55	Degradation of nitro-based pharmaceuticals by UV photolysis: Kinetics and simultaneous reduction on halonitromethanes formation potential. <i>Water Research</i> , 2017, 119, 83-90.	5.3	32
56	Nitrogen removal performance and operation strategy of anammox process under temperature shock. <i>Biodegradation</i> , 2017, 28, 261-274.	1.5	41
57	Performance and kinetics of ANAMMOX granular sludge with pH shock in a sequencing batch reactor. <i>Biodegradation</i> , 2017, 28, 245-259.	1.5	27
58	Degradation of chloramphenicol by UV/chlorine treatment: Kinetics, mechanism and enhanced formation of halonitromethanes. <i>Water Research</i> , 2017, 121, 178-185.	5.3	144
59	Effect of carbon source on nitrogen removal in anaerobic ammonium oxidation (anammox) process. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 497-504.	1.1	24
60	Effect of influent substrate ratio on anammox granular sludge: performance and kinetics. <i>Biodegradation</i> , 2017, 28, 437-452.	1.5	19
61	Formation of iodo-trihalomethanes, iodo-acetic acids, and iodo-acetamides during chloramination of iodide-containing waters: Factors influencing formation and reaction pathways. <i>Journal of Hazardous Materials</i> , 2017, 321, 28-36.	6.5	51
62	Promoted oxidation of diclofenac with ferrate (Fe(VI)): Role of ABTS as the electron shuttle. <i>Journal of Hazardous Materials</i> , 2017, 336, 65-70.	6.5	32
63	Genetic variants in RhoA and ROCK1 genes are associated with the development, progression and prognosis of prostate cancer. <i>Oncotarget</i> , 2017, 8, 19298-19309.	0.8	10
64	Overexpression of CAPN2 promotes cell metastasis and proliferation via AKT/mTOR signaling in renal cell carcinoma. <i>Oncotarget</i> , 2017, 8, 97811-97821.	0.8	23
65	Innovative photo-Fenton catalysis by PE-FeOx films leading to methylene blue (MB) degradation: Kinetics, surface properties and mechanism. <i>Applied Catalysis A: General</i> , 2016, 519, 68-77.	2.2	18
66	Enhanced formation of bromate and brominated disinfection byproducts during chlorination of bromide-containing waters under catalysis of copper corrosion products. <i>Water Research</i> , 2016, 98, 302-308.	5.3	34
67	Occurrence and removal of antibiotics in ecological and conventional wastewater treatment processes: A field study. <i>Journal of Environmental Management</i> , 2016, 178, 11-19.	3.8	140
68	Promoted discoloration of methyl orange in H ₂ O ₂ /Fe(III) Fenton system: Effects of gallic acid on iron cycling. <i>Separation and Purification Technology</i> , 2016, 171, 144-150.	3.9	72
69	Formation and speciation of disinfection byproducts during chlor(am)ination of aquarium seawater. <i>Journal of Environmental Sciences</i> , 2015, 33, 116-124.	3.2	16
70	Formation of disinfection byproducts in a recirculating mariculture system: emerging concerns. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 471-477.	1.7	10
71	Operation performance of an A/A/O process coupled with excess sludge ozonation and phosphorus recovery: A pilot-scale study. <i>Chemical Engineering Journal</i> , 2015, 268, 162-169.	6.6	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 <i>Aspergillus fumigatus</i> . <i>Journal of Medical Microbiology</i> , 2015, 64, 1008-1020.	0.7	7

#	ARTICLE	IF	CITATIONS
73	A comparison of various rural wastewater treatment processes for the removal of endocrine-disrupting chemicals (EDCs). <i>Chemosphere</i> , 2013, 92, 986-992.	4.2	81
74	Monitoring free chlorine and free bromine in aquarium seawater treated by ozone. <i>Analytical Methods</i> , 2012, 4, 3646.	1.3	16
75	Evaluation of rural wastewater treatment processes in a county of eastern China. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1906.	2.1	31
76	Effect of artificial aeration on the performance of vertical-flow constructed wetland treating heavily polluted river water. <i>Journal of Environmental Sciences</i> , 2012, 24, 596-601.	3.2	129
77	Screening and degradation performances of dominant strains in high-salinity landfill leachate. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 357-364.	1.7	3