

Dongbin Wei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4992808/publications.pdf>

Version: 2024-02-01

43
papers

1,084
citations

394286

19
h-index

414303

32
g-index

43
all docs

43
docs citations

43
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	A synthetical methodology for identifying priority pollutants in reclaimed water based on meta-analysis. <i>Journal of Environmental Sciences</i> , 2022, 112, 106-114.	3.2	9
2	Free radical-enhanced formation of toxic byproduct benzoyl benzoquinone during the combined UV-chlorine treatment on BP-1. <i>Chemical Engineering Journal</i> , 2022, 433, 134344.	6.6	6
3	Magnitude Filter Combined with Mass Filter: A Reliable Strategy to Improve the Reproducibility of ESI-FT-ICR-MS Analysis on the Fingerprint of Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2022, 94, 10643-10650.	3.2	2
4	Characterization of UV and chlorine contributions to transformation of 2,3,4-trihydroxybenzophenone under combined UV-chlorine treatment. <i>Chemosphere</i> , 2021, 263, 128310.	4.2	6
5	Free available chlorine initiated Baeyer-Villiger oxidation: A key mechanism for chloroform formation during aqueous chlorination of benzophenone UV filters. <i>Environmental Pollution</i> , 2021, 268, 115737.	3.7	5
6	Radical-promoted formation of dibenzofuran during combined UV-chlorine treatment on mono-substituted diphenyl ether. <i>Chemical Engineering Journal</i> , 2021, 420, 127620.	6.6	3
7	Bioassay- and QSAR-based screening of toxic transformation products and their formation under chlorination treatment on levofloxacin. <i>Journal of Hazardous Materials</i> , 2021, 414, 125495.	6.5	14
8	A novel risk score-based prioritization method for pollutants in reclaimed water. <i>Science of the Total Environment</i> , 2021, 795, 148833.	3.9	8
9	Bioassay: A useful tool for evaluating reclaimed water safety. <i>Journal of Environmental Sciences</i> , 2020, 88, 165-176.	3.2	30
10	Predicted no-effect concentrations determination and ecological risk assessment for benzophenone-type UV filters in aquatic environment. <i>Environmental Pollution</i> , 2020, 256, 113460.	3.7	23
11	Enhanced hydrolysis of fermentative antibiotics in production wastewater: Hydrolysis potential prediction and engineering application. <i>Chemical Engineering Journal</i> , 2020, 391, 123626.	6.6	25
12	A selective N,N-dithenoyl-rhodamine based fluorescent probe for Fe ³⁺ detection in aqueous and living cells. <i>Journal of Environmental Sciences</i> , 2020, 90, 180-188.	3.2	17
13	Formation of novel disinfection by-products chlorinated benzoquinone, phenyl benzoquinones and polycyclic aromatic hydrocarbons during chlorination treatment on UV filter 2,4-dihydroxybenzophenone in swimming pool water. <i>Journal of Hazardous Materials</i> , 2019, 367, 725-733.	6.5	25
14	Effectively remediating spiramycin from production wastewater through hydrolyzing its functional groups using solid superacid TiO ₂ /SO ₄ . <i>Environmental Research</i> , 2019, 175, 393-401.	3.7	18
15	The brominated flame retardant PBDE 99 promotes adipogenesis via regulating mitotic clonal expansion and PPAR γ expression. <i>Science of the Total Environment</i> , 2019, 670, 67-77.	3.9	25
16	Rapid thermal-acid hydrolysis of spiramycin by silicotungstic acid under microwave irradiation. <i>Environmental Pollution</i> , 2019, 249, 36-44.	3.7	10
17	Research progress of disinfection and disinfection by-products in China. <i>Journal of Environmental Sciences</i> , 2019, 81, 52-67.	3.2	66
18	The chlorination transformation characteristics of benzophenone-4 in the presence of iodide ions. <i>Journal of Environmental Sciences</i> , 2017, 58, 93-101.	3.2	6

#	ARTICLE	IF	CITATIONS
19	Product identification and the mechanisms involved in the transformation of cefazolin by birnessite (γ - MnO_2). <i>Chemical Engineering Journal</i> , 2017, 320, 116-123.	6.6	20
20	Acute toxicity variation of hydroxyl benzophenone UV filters during photoinduced chlorination disinfection processes. <i>Journal of Environmental Sciences</i> , 2017, 54, 48-55.	3.2	8
21	Genotoxicity of quinolone antibiotics in chlorination disinfection treatment: formation and QSAR simulation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20637-20645.	2.7	11
22	Transformation pathways and acute toxicity variation of 4-hydroxyl benzophenone in chlorination disinfection process. <i>Chemosphere</i> , 2016, 154, 491-498.	4.2	16
23	Oxidation of cefazolin by potassium permanganate: Transformation products and plausible pathways. <i>Chemosphere</i> , 2016, 149, 279-285.	4.2	23
24	Predicted no-effect concentrations for mercury species and ecological risk assessment for mercury pollution in aquatic environment. <i>Journal of Environmental Sciences</i> , 2015, 28, 74-80.	3.2	19
25	Oxidative transformation of levofloxacin by γ - MnO_2 : Products, pathways and toxicity assessment. <i>Chemosphere</i> , 2015, 119, 282-288.	4.2	46
26	The potential risk assessment for different arsenic species in the aquatic environment. <i>Journal of Environmental Sciences</i> , 2015, 27, 1-8.	3.2	23
27	Formation pathways of brominated products from benzophenone-4 chlorination in the presence of bromide ions. <i>Journal of Environmental Sciences</i> , 2014, 26, 2387-2396.	3.2	15
28	Acute toxicity formation potential of benzophenone-type UV filters in chlorination disinfection process. <i>Journal of Environmental Sciences</i> , 2014, 26, 440-447.	3.2	40
29	Genotoxicity of quinolones: Substituents contribution and transformation products QSAR evaluation using 2D and 3D models. <i>Chemosphere</i> , 2014, 95, 220-226.	4.2	81
30	Distribution, possible sources, and health risk assessment of SVOC pollution in small streams in Pearl River Delta, China. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10083-10095.	2.7	30
31	A toxicity-based method for evaluating safety of reclaimed water for environmental reuses. <i>Journal of Environmental Sciences</i> , 2014, 26, 1961-1969.	3.2	23
32	Acute toxicity evaluation for quinolone antibiotics and their chlorination disinfection processes. <i>Journal of Environmental Sciences</i> , 2014, 26, 1837-1842.	3.2	36
33	Transformation mechanism of benzophenone-4 in free chlorine promoted chlorination disinfection. <i>Water Research</i> , 2013, 47, 6223-6233.	5.3	52
34	Transformation of cefazolin during chlorination process: Products, mechanism and genotoxicity assessment. <i>Journal of Hazardous Materials</i> , 2013, 262, 48-54.	6.5	71
35	Substituent contribution to the genotoxicity of benzophenone-type UV filters. <i>Ecotoxicology and Environmental Safety</i> , 2013, 95, 241-246.	2.9	39
36	Toxicity-based assessment of the treatment performance of wastewater treatment and reclamation processes. <i>Journal of Environmental Sciences</i> , 2012, 24, 969-978.	3.2	18

#	ARTICLE	IF	CITATIONS
37	Highly sensitive and selective chemosensor for Cu ²⁺ detection based on a N-propargyl rhodamine 6G-hydrazide derivative. <i>Science China Chemistry</i> , 2012, 55, 626-631.	4.2	5
38	An alternative total synthesis of solamargine. <i>Science China Chemistry</i> , 2012, 55, 1247-1251.	4.2	7
39	Design and application of Fe ³⁺ probe for "naked-eye" colorimetric detection in fully aqueous system. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1316-1321.	4.0	38
40	A biological safety evaluation on reclaimed water reused as scenic water using a bioassay battery. <i>Journal of Environmental Sciences</i> , 2011, 23, 1611-1618.	3.2	12
41	New rhodamine derivative as OFF-ON fluorescent chemosensor for detection of Cu ²⁺ . <i>Science China Chemistry</i> , 2011, 54, 1635-1639.	4.2	6
42	Application of biological safety index in two Japanese watersheds using a bioassay battery. <i>Chemosphere</i> , 2008, 72, 1303-1308.	4.2	11
43	Environmental management of pesticidal POPs in China: Past, present and future. <i>Environment International</i> , 2007, 33, 894-902.	4.8	136