

Xinghao Wang

List of Publications by Year in descending order

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37
papers

1,661
citations

257101

24
h-index

329751

37
g-index

37
all docs

37
docs citations

37
times ranked

1825
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel electrokinetic remediation with in-situ generation of H ₂ O ₂ for soil PAHs removal. <i>Journal of Hazardous Materials</i> , 2022, 428, 128273.	6.5	16
2	Mechanistic Study of the Effects of Agricultural Amendments on Photochemical Processes in Paddy Water during Rice Growth. <i>Environmental Science & Technology</i> , 2022, 56, 4221-4230.	4.6	17
3	Oxytetracycline induced the redox of iron and promoted the oxidation of As(III). <i>Science of the Total Environment</i> , 2022, 828, 154381.	3.9	6
4	Persistent Free Radicals from Low-Molecular-Weight Organic Compounds Enhance Cross-Coupling Reactions and Toxicity of Anthracene on Amorphous Silica Surfaces under Light. <i>Environmental Science & Technology</i> , 2021, 55, 3716-3726.	4.6	27
5	Enhanced and selective phototransformation of chlorophene on aluminum hydroxide-humic complexes. <i>Water Research</i> , 2021, 193, 116904.	5.3	5
6	Two transformation pathways of Acetaminophen with Fe ³⁺ saturated clay particles in dark or light. <i>Chemosphere</i> , 2021, 278, 130399.	4.2	10
7	Visible light and fulvic acid assisted generation of Mn(III) to oxidize bisphenol A: The effect of tetrabromobisphenol A. <i>Water Research</i> , 2020, 169, 115273.	5.3	42
8	Oxidative Oligomerization of Phenolic Endocrine Disrupting Chemicals Mediated by Mn(III)-L Complexes and the Role of Phenoxyl Radicals in the Enhanced Removal: Experimental and Theoretical Studies. <i>Environmental Science & Technology</i> , 2020, 54, 1573-1582.	4.6	31
9	Removal of 4-chlorophenol, bisphenol A and nonylphenol mixtures by aqueous chlorination and formation of coupling products. <i>Chemical Engineering Journal</i> , 2020, 402, 126140.	6.6	35
10	Photochemical behavior of benzophenone sunscreens induced by nitrate in aquatic environments. <i>Water Research</i> , 2019, 153, 178-186.	5.3	66
11	Formation of hydroxylated derivatives and coupling products from the photochemical transformation of polyfluorinated dibenzo-p-dioxins (PFDDs) on silica surfaces. <i>Chemosphere</i> , 2019, 231, 72-81.	4.2	5
12	Degradation of sulfadimethoxine by permanganate in aquatic environment: Influence factors, intermediate products and theoretical study. <i>Science of the Total Environment</i> , 2019, 671, 705-713.	3.9	36
13	Ozonation of pentabromophenol in aqueous basic medium: Kinetics, pathways, mechanism, dimerization and toxicity assessment. <i>Chemosphere</i> , 2019, 220, 546-555.	4.2	42
14	Photodegradation of polychlorinated diphenyl sulfides mediated by reactive oxygen species on silica gel. <i>Chemical Engineering Journal</i> , 2019, 359, 1056-1064.	6.6	27
15	Effective degradation of fenitrothion by zero-valent iron powder (Fe ⁰) activated persulfate in aqueous solution: Kinetic study and product identification. <i>Chemical Engineering Journal</i> , 2019, 358, 1479-1488.	6.6	108
16	Oxidative degradation of chlorpyrifos using ferrate(VI): Kinetics and reaction mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 259-266.	2.9	64
17	Removal of the UV Filter Benzophenone-2 in Aqueous Solution by Ozonation: Kinetics, Intermediates, Pathways and Toxicity. <i>Ozone: Science and Engineering</i> , 2018, 40, 122-132.	1.4	18
18	Phototransformation of estrogens mediated by Mn(III), not by reactive oxygen species, in the presence of humic acids. <i>Chemosphere</i> , 2018, 201, 224-233.	4.2	41

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19	Enhanced Removal of Chlorophene and 17 β -estradiol by Mn(III) in a Mixture Solution with Humic Acid: Investigation of Reaction Kinetics and Formation of Co-oligomerization Products. <i>Environmental Science & Technology</i> , 2018, 52, 13222-13230.	4.6	63
20	Photodegradation of 17 β -estradiol on silica gel and natural soil by UV treatment. <i>Environmental Pollution</i> , 2018, 242, 1236-1244.	3.7	11
21	Degradation of aqueous 2,4,4-trihydroxybenzophenone by persulfate activated with nitrogen doped carbonaceous materials and the formation of dimer products. <i>Water Research</i> , 2018, 143, 176-187.	5.3	165
22	The laccase-like reactivity of manganese oxide nanomaterials for pollutant conversion: rate analysis and cyclic voltammetry. <i>Scientific Reports</i> , 2017, 7, 7756.	1.6	31
23	Impact of carbon nanotubes on the toxicity of inorganic arsenic [AS(III) and AS(V)] to <i>Daphnia magna</i> : The role of certain arsenic species. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1852-1859.	2.2	24
24	Toxicity of Arsenic to <i>Photobacterium phosphoreum</i> , <i>Daphnia magna</i> , and <i>Danio rerio</i> at Different pH Levels. <i>Clean - Soil, Air, Water</i> , 2016, 44, 72-77.	0.7	7
25	Degradation of fluoroquinolone antibiotics by ferrate(VI): Effects of water constituents and oxidized products. <i>Water Research</i> , 2016, 103, 48-57.	5.3	206
26	Effect of different carbon nanotubes on cadmium toxicity to <i>Daphnia magna</i> : The role of catalyst impurities and adsorption capacity. <i>Environmental Pollution</i> , 2016, 208, 732-738.	3.7	57
27	Rapid Removal of Tetrabromobisphenol A by Ozonation in Water: Oxidation Products, Reaction Pathways and Toxicity Assessment. <i>PLoS ONE</i> , 2015, 10, e0139580.	1.1	49
28	Acute and chronic toxicity of tetrabromobisphenol A to three aquatic species under different pH conditions. <i>Aquatic Toxicology</i> , 2015, 164, 145-154.	1.9	25
29	Antioxidant status and Na ⁺ , K ⁺ -ATPase activity in freshwater fish <i>Carassius auratus</i> exposed to different combustion products of Nafion 117 membrane: an integrated biomarker approach. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3408-3418.	2.7	6
30	Hepatic oxidative stress and catalyst metals accumulation in goldfish exposed to carbon nanotubes under different pH levels. <i>Aquatic Toxicology</i> , 2015, 160, 142-150.	1.9	32
31	Oxidative Degradation of Decabromodiphenyl Ether (BDE 209) by Potassium Permanganate: Reaction Pathways, Kinetics, and Mechanisms Assisted by Density Functional Theory Calculations. <i>Environmental Science & Technology</i> , 2015, 49, 4209-4217.	4.6	90
32	Metal accumulation and oxidative stress biomarkers in liver of freshwater fish <i>Carassius auratus</i> following in vivo exposure to waterborne zinc under different pH values. <i>Aquatic Toxicology</i> , 2014, 150, 9-16.	1.9	113
33	Effect of water quality on mercury toxicity to <i>Photobacterium phosphoreum</i> : Model development and its application in natural waters. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 231-238.	2.9	20
34	Metal accumulation and antioxidant defenses in the freshwater fish <i>Carassius auratus</i> in response to single and combined exposure to cadmium and hydroxylated multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2014, 275, 89-98.	6.5	77
35	Antioxidant responses in <i>Carassius auratus</i> and <i>Lolium perenne</i> exposed to the laboratory pollution. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 536-542.	2.0	3
36	The toxicity of cadmium to three aquatic organisms (<i>Photobacterium phosphoreum</i> , <i>Daphnia magna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 83-90.	2.9	51

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37	Development of a model to predict the effect of water chemistry on the acute toxicity of cadmium to <i>Photobacterium phosphoreum</i> . <i>Journal of Hazardous Materials</i> , 2013, 262, 288-296.	6.5	35