

# Zunyao Wang

## List of Publications by Year in descending order

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167  
papers

7,731  
citations

34016

52  
h-index

64668

79  
g-index

169  
all docs

169  
docs citations

169  
times ranked

6089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic degradation of diethyl phthalate in aqueous solution by persulfate activated with nano-scaled magnetic CuFe <sub>2</sub> O <sub>4</sub> /MWCNTs. <i>Chemical Engineering Journal</i> , 2016, 301, 1-11.	6.6	286
2	Degradation of flumequine in aqueous solution by persulfate activated with common methods and polyhydroquinone-coated magnetite/multi-walled carbon nanotubes catalysts. <i>Water Research</i> , 2015, 85, 1-10.	5.3	225
3	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
4	Nitrogen and sulfur co-doped CNT-COOH as an efficient metal-free catalyst for the degradation of UV filter BP-4 based on sulfate radicals. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 1-10.	10.8	200
5	Hydroxyl Radical Based Photocatalytic Degradation of Halogenated Organic Contaminants and Paraffin on Silica Gel. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7220-7229.	4.6	171
6	Oxidative degradation of triclosan by potassium permanganate: Kinetics, degradation products, reaction mechanism, and toxicity evaluation. <i>Water Research</i> , 2016, 103, 215-223.	5.3	165
7	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
8	Aryl organophosphate flame retardants induced cardiotoxicity during zebrafish embryogenesis: By disturbing expression of the transcriptional regulators. <i>Aquatic Toxicology</i> , 2015, 161, 25-32.	1.9	151
9	Metal-mediated oxidation of fluoroquinolone antibiotics in water: A review on kinetics, transformation products, and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2018, 344, 1136-1154.	6.5	138
10	Degradation of the UV-filter benzophenone-3 in aqueous solution using persulfate activated by heat, metal ions and light. <i>Chemosphere</i> , 2018, 196, 95-104.	4.2	136
11	Ozonation of indigo enhanced by carboxylated carbon nanotubes: Performance optimization, degradation products, reaction mechanism and toxicity evaluation. <i>Water Research</i> , 2015, 68, 316-327.	5.3	130
12	Enhanced degradation performance of sulfisoxazole using peroxymonosulfate activated by copper-cobalt oxides in aqueous solution: Kinetic study and products identification. <i>Chemical Engineering Journal</i> , 2017, 330, 345-354.	6.6	127
13	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
14	Synergistic effect of aqueous removal of fluoroquinolones by a combined use of peroxymonosulfate and ferrate(VI). <i>Chemosphere</i> , 2017, 177, 144-148.	4.2	109
15	Catalytic degradation of 2-phenylbenzimidazole-5-sulfonic acid by peroxymonosulfate activated with nitrogen and sulfur co-doped CNTs-COOH loaded CuFe <sub>2</sub> O <sub>4</sub> . <i>Chemical Engineering Journal</i> , 2017, 307, 95-104.	6.6	109
16	Effective degradation of fenitrothion by zero-valent iron powder (Fe <sup>0</sup> ) activated persulfate in aqueous solution: Kinetic study and product identification. <i>Chemical Engineering Journal</i> , 2019, 358, 1479-1488.	6.6	108
17	Degradation of UV-filter benzophenone-3 in aqueous solution using persulfate catalyzed by cobalt ferrite. <i>Chemical Engineering Journal</i> , 2017, 326, 1197-1209.	6.6	106
18	Mixed oxidation of aqueous nonylphenol and triclosan by thermally activated persulfate: Reaction kinetics and formation of co-oligomerization products. <i>Chemical Engineering Journal</i> , 2021, 403, 126396.	6.6	102

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19	Sorption behavior of 17 phthalic acid esters on three soils: Effects of pH and dissolved organic matter, sorption coefficient measurement and QSPR study. <i>Chemosphere</i> , 2013, 93, 82-89.	4.2	101
20	Investigation on Intramolecular Hydrogen Bond and Some Thermodynamic Properties of Polyhydroxylated Anthraquinones. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 2442-2455.	1.0	98
21	Aquatic photodegradation of sunscreen agent p-aminobenzoic acid in the presence of dissolved organic matter. <i>Water Research</i> , 2013, 47, 153-162.	5.3	94
22	TPhP exposure disturbs carbohydrate metabolism, lipid metabolism, and the DNA damage repair system in zebrafish liver. <i>Scientific Reports</i> , 2016, 6, 21827.	1.6	92
23	Solid surface-mediated photochemical transformation of decabromodiphenyl ether (BDE-209) in aqueous solution. <i>Water Research</i> , 2017, 125, 114-122.	5.3	92
24	Oxidative Degradation of Decabromodiphenyl Ether (BDE 209) by Potassium Permanganate: Reaction Pathways, Kinetics, and Mechanisms Assisted by Density Functional Theory Calculations. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4209-4217.	4.6	90
25	Oxidation of Tris (2-chloroethyl) phosphate in aqueous solution by UV-activated peroxydisulfate: Kinetics, water matrix effects, degradation products and reaction pathways. <i>Chemosphere</i> , 2017, 185, 833-843.	4.2	88
26	Degradation of sulfadimethoxine in phosphate buffer solution by UV alone, UV/PMS and UV/H <sub>2</sub> O <sub>2</sub> : Kinetics, degradation products, and reaction pathways. <i>Chemical Engineering Journal</i> , 2020, 398, 125357.	6.6	88
27	Mechanistic insights into the reactivity of Ferrate(VI) with phenolic compounds and the formation of coupling products. <i>Water Research</i> , 2019, 158, 338-349.	5.3	82
28	Ferrate(VI) oxidation of polychlorinated diphenyl sulfides: Kinetics, degradation, and oxidized products. <i>Water Research</i> , 2018, 143, 1-9.	5.3	81
29	Comparative antioxidant status in freshwater fish <i>Carassius auratus</i> exposed to six current-use brominated flame retardants: A combined experimental and theoretical study. <i>Aquatic Toxicology</i> , 2013, 140-141, 314-323.	1.9	78
30	Experimental and theoretical insights into the photochemical decomposition of environmentally persistent perfluorocarboxylic acids. <i>Water Research</i> , 2016, 104, 34-43.	5.3	78
31	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
32	Characterization of the thermolysis products of Nafion membrane: A potential source of perfluorinated compounds in the environment. <i>Scientific Reports</i> , 2015, 5, 9859.	1.6	77
33	Activation of ferrate(VI) by ammonia in oxidation of flumequine: Kinetics, transformation products, and antibacterial activity assessment. <i>Chemical Engineering Journal</i> , 2017, 323, 584-591.	6.6	73
34	Assessment of bromide-based ionic liquid toxicity toward aquatic organisms and QSAR analysis. <i>Ecotoxicology and Environmental Safety</i> , 2015, 115, 112-118.	2.9	72
35	Effective degradation of 2,4-dihydroxybenzophenone by zero-valent iron powder (Fe <sup>0</sup> )-activated persulfate in aqueous solution: Kinetic study, product identification and theoretical calculations. <i>Science of the Total Environment</i> , 2021, 771, 144743.	3.9	72
36	Fast removal of the antibiotic flumequine from aqueous solution by ozonation: Influencing factors, reaction pathways, and toxicity evaluation. <i>Science of the Total Environment</i> , 2016, 541, 167-175.	3.9	71

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37	Fe-Activated Peroxymonosulfate Enhances the Degradation of Dibutyl Phthalate on Ground Quartz Sand. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9052-9061.	4.6	71
38	In vivo metabolism of organophosphate flame retardants and distribution of their main metabolites in adult zebrafish. <i>Science of the Total Environment</i> , 2017, 590-591, 50-59.	3.9	67
39	Acute toxicity of benzophenone-type UV filters for <i>Photobacterium phosphoreum</i> and <i>Daphnia magna</i> : QSAR analysis, interspecies relationship and integrated assessment. <i>Chemosphere</i> , 2015, 135, 182-188.	4.2	66
40	Photochemical behavior of benzophenone sunscreens induced by nitrate in aquatic environments. <i>Water Research</i> , 2019, 153, 178-186.	5.3	66
41	Oxidative degradation of chlorpyrifos using ferrate(VI): Kinetics and reaction mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 259-266.	2.9	64
42	Estimation of n-octanol/water partition coefficients (Kow) of all PCB congeners by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2005, 755, 137-145.	1.5	63
43	Enhanced Removal of Chlorophene and 17 $\beta$ -estradiol by Mn(III) in a Mixture Solution with Humic Acid: Investigation of Reaction Kinetics and Formation of Co-oligomerization Products. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13222-13230.	4.6	63
44	Photodegradation of Polyfluorinated Dibenzo- <i>p</i> -Dioxins in Organic Solvents: Experimental and Theoretical Studies. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8128-8134.	4.6	62
45	Degradation kinetics and transformation products of chlorophene by aqueous permanganate. <i>Water Research</i> , 2018, 138, 293-300.	5.3	62
46	Hepatic oxidative stress biomarker responses in freshwater fish <i>Carassius auratus</i> exposed to four benzophenone UV filters. <i>Ecotoxicology and Environmental Safety</i> , 2015, 119, 116-122.	2.9	61
47	Evaluation of single and joint toxicity of perfluorooctane sulfonate, perfluorooctanoic acid, and copper to <i>Carassius auratus</i> using oxidative stress biomarkers. <i>Aquatic Toxicology</i> , 2015, 161, 108-116.	1.9	60
48	Laccase-Catalyzed Degradation of Perfluorooctanoic Acid. <i>Environmental Science and Technology Letters</i> , 2015, 2, 198-203.	3.9	60
49	Products distribution and contribution of (de)chlorination, hydroxylation and coupling reactions to 2,4-dichlorophenol removal in seven oxidation systems. <i>Water Research</i> , 2021, 194, 116916.	5.3	60
50	Oxidation of flumequine in aqueous solution by UV-activated peroxydisulfate: Kinetics, water matrix effects, degradation products and reaction pathways. <i>Chemosphere</i> , 2019, 237, 124484.	4.2	58
51	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
52	Formation of Halogenated Polyaromatic Compounds by Laccase Catalyzed Transformation of Halophenols. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8550-8557.	4.6	55
53	Fe(VI)-Mediated Single-Electron Coupling Processes for the Removal of Chlorophene: A Combined Experimental and Computational Study. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12592-12601.	4.6	53
54	Catalytic effect of low concentration carboxylated multi-walled carbon nanotubes on the oxidation of disinfectants with Cl-substituted structure by a Fenton-like system. <i>Chemical Engineering Journal</i> , 2017, 321, 325-334.	6.6	50

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55	Mechanism insights into the oxidative degradation of decabromodiphenyl ethane by potassium permanganate in acidic conditions. <i>Chemical Engineering Journal</i> , 2018, 332, 267-276.	6.6	50
56	Ferrate(VI) oxidation of bisphenol A—Kinetics, removal performance, and dihydroxylation mechanism. <i>Water Research</i> , 2022, 210, 118025.	5.3	50
57	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
58	Kinetics and mechanism of the oxidative degradation of parathion by Ferrate(VI). <i>Chemical Engineering Journal</i> , 2019, 365, 142-152.	6.6	49
59	Degradation of pentachlorophenol in peroxymonosulfate/heat system: Kinetics, mechanism, and theoretical calculations. <i>Chemical Engineering Journal</i> , 2022, 434, 134736.	6.6	49
60	Laccase-catalyzed removal of the antimicrobials chlorophene and dichlorophen from water: Reaction kinetics, pathway and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2016, 317, 81-89.	6.5	46
61	Hepatic antioxidative responses to PCDEPs and estimated short-term biotoxicity in freshwater fish. <i>Aquatic Toxicology</i> , 2012, 120-121, 90-98.	1.9	45
62	Ozonation of pentabromophenol in aqueous basic medium: Kinetics, pathways, mechanism, dimerization and toxicity assessment. <i>Chemosphere</i> , 2019, 220, 546-555.	4.2	42
63	Enhanced degradation performance of bisphenol M using peroxymonosulfate activated by zero-valent iron in aqueous solution: Kinetic study and product identification. <i>Chemosphere</i> , 2019, 221, 314-323.	4.2	42
64	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
65	Effects of common inorganic anions on the ozonation of polychlorinated diphenyl sulfides on silica gel: Kinetics, mechanisms, and theoretical calculations. <i>Water Research</i> , 2020, 186, 116358.	5.3	42
66	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
67	Kinetics and reaction pathways for the transformation of 4-tert-butylphenol by ferrate(VI). <i>Journal of Hazardous Materials</i> , 2021, 401, 123405.	6.5	41
68	Evaluation of single and joint toxicity of perfluorooctane sulfonate and zinc to <i>Limnodrilus hoffmeisteri</i> : Acute toxicity, bioaccumulation and oxidative stress. <i>Journal of Hazardous Materials</i> , 2016, 301, 342-349.	6.5	40
69	Degradation of octafluorodibenzo-p-dioxin by UV/Fe(II)/potassium monopersulfate system: Kinetics, influence of coexisting chemicals, degradation products and pathways. <i>Chemical Engineering Journal</i> , 2017, 319, 98-107.	6.6	40
70	Oxidation of benzophenone-3 in aqueous solution by potassium permanganate: kinetics, degradation products, reaction pathways, and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 31301-31311.	2.7	39
71	Oxidative stress biomarkers in freshwater fish <i>Carassius auratus</i> exposed to decabromodiphenyl ether and ethane, or their mixture. <i>Ecotoxicology</i> , 2013, 22, 1101-1110.	1.1	37
72	Occurrence of Polychlorinated Diphenyl Sulfides (PCDEPs) in Surface Sediments and Surface Water from the Nanjing Section of the Yangtze River. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11429-11436.	4.6	37

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73	Thermal- and photo-induced degradation of perfluorinated carboxylic acids: Kinetics and mechanism. <i>Water Research</i> , 2017, 126, 12-18.	5.3	37
74	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
75	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
76	A comparative study on antioxidant status combined with integrated biomarker response in <i>Carassius auratus</i> fish exposed to nine phthalates. <i>Environmental Toxicology</i> , 2015, 30, 1125-1134.	2.1	35
77	Kinetics and mechanism insights into the photodegradation of hydroperfluorocarboxylic acids in aqueous solution. <i>Chemical Engineering Journal</i> , 2018, 348, 644-652.	6.6	35
78	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
79	New Findings of Ferrate(VI) Oxidation Mechanism from Its Degradation of Alkene Imidazole Ionic Liquids. <i>Environmental Science &amp; Technology</i> , 2021, 55, 11733-11744.	4.6	34
80	Aqueous photodegradation of antibiotic florfenicol: kinetics and degradation pathway studies. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6982-6989.	2.7	33
81	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
82	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
83	The pH-dependent toxicity of triclosan to five aquatic organisms ( <i>Daphnia magna</i> , <i>Photobacterium</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> and <i>Pollution Research</i> , 2018, 25, 9636-9646.	2.7	31
84	Oxidative Oligomerization of Phenolic Endocrine Disrupting Chemicals Mediated by Mn(III)-L Complexes and the Role of Phenoxy Radicals in the Enhanced Removal: Experimental and Theoretical Studies. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1573-1582.	4.6	31
85	A combined experimental and computational study on the oxidative degradation of bromophenols by Fe(VI) and the formation of self-coupling products. <i>Environmental Pollution</i> , 2020, 258, 113678.	3.7	31
86	Computational study on the relative stability and formation distribution of 76 polychlorinated naphthalene by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2005, 724, 221-227.	1.5	30
87	Quantitative structure–property relationships for predicting subcooled liquid vapor pressure (PL) of 209 polychlorinated diphenyl ethers (PCDEs) by DFT and the position of Cl substitution (PCS) methods. <i>Atmospheric Environment</i> , 2007, 41, 3590-3603.	1.9	30
88	Subacute oral toxicity of BDE-15, CDE-15, and HODE-15 in ICR male mice: assessing effects on hepatic oxidative stress and metals status and ascertaining the protective role of vitamin E. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1924-1935.	2.7	29
89	The toxic effect and bioaccumulation in aquatic oligochaete <i>Limnodrilus hoffmeisteri</i> after combined exposure to cadmium and perfluorooctane sulfonate at different pH values. <i>Chemosphere</i> , 2016, 152, 496-502.	4.2	29
90	Understanding the ozonated degradation of sulfadimethoxine, exploration of reaction site, and classification of degradation products. <i>Chemosphere</i> , 2018, 212, 228-236.	4.2	29

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91	Efficient photocatalytic degradation of PFOA in N-doped In <sub>2</sub> O <sub>3</sub> /simulated sunlight irradiation system and its mechanism. <i>Chemical Engineering Journal</i> , 2022, 435, 134627.	6.6	28
92	Estimation of the aqueous solubility ( $\hat{\alpha}^{\sim}lgSw$ ) of all polychlorinated dibenzo-furans (PCDF) and polychlorinated dibenzo-p-dioxins (PCDD) congeners by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2006, 766, 25-33.	1.5	27
93	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
94	Quantitative Structure-Activity Relationship for Prediction of the Toxicity of Phenols on <i>Photobacterium phosphoreum</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 27-31.	1.3	26
95	Transformation of bromophenols by aqueous chlorination and exploration of main reaction mechanisms. <i>Chemosphere</i> , 2021, 265, 129112.	4.2	26
96	Acute and subacute oral toxicity of polychlorinated diphenyl sulfides in mice: Determining LD50 and assessing the status of hepatic oxidative stress. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1485-1493.	2.2	25
97	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
98	Antioxidant defenses and histological changes in <i>Carassius auratus</i> after combined exposure to zinc and three multi-walled carbon nanotubes. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 61-71.	2.9	25
99	Responses of antioxidant defense system to polyfluorinated dibenzo-p-dioxins (PFDDs) exposure in liver of freshwater fish <i>Carassius auratus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 126, 170-176.	2.9	25
100	Photochemical transformation of decachlorobiphenyl (PCB-209) on the surface of microplastics in aqueous solution. <i>Chemical Engineering Journal</i> , 2021, 420, 129813.	6.6	25
101	Biochemical biomarkers in liver and gill tissues of freshwater fish <i>Carassius auratus</i> following <i>in vivo</i> exposure to hexabromobenzene. <i>Environmental Toxicology</i> , 2014, 29, 1460-1470.	2.1	24
102	Ozonation of the UV filter benzophenone-4 in aquatic environments: Intermediates and pathways. <i>Chemosphere</i> , 2016, 149, 76-83.	4.2	24
103	The photodegradation of 1,3,6,8-tetrabromocarbazole in n-hexane and in solid-mediated aqueous system: Kinetics and transformation mechanisms. <i>Chemical Engineering Journal</i> , 2019, 375, 121986.	6.6	24
104	Synthesis and QSPR study on environment-related properties of polychlorinated diphenyl sulfides (PCDPSs). <i>Chemosphere</i> , 2012, 88, 844-854.	4.2	23
105	Toxicity and bioaccumulation of copper in <i>Limnodrilus hoffmeisteri</i> under different pH values: Impacts of perfluorooctane sulfonate. <i>Journal of Hazardous Materials</i> , 2016, 305, 219-228.	6.5	22
106	Comparative antioxidant status in freshwater fish <i>Carassius auratus</i> exposed to eight imidazolium bromide ionic liquids: A combined experimental and theoretical study. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 187-195.	2.9	21
107	Oxidation of disinfectants with Cl-substituted structure by a Fenton-like system Cu <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> and analysis on their structure-reactivity relationship. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1898-1904.	2.7	21
108	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

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109	Activation of Avian Aryl Hydrocarbon Receptor and Inter-species Sensitivity Variations by Polychlorinated Diphenylsulfides. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10948-10956.	4.6	20
110	Factors controlling the rate of perfluorooctanoic acid degradation in laccase-mediator systems: The impact of metal ions. <i>Environmental Pollution</i> , 2017, 224, 649-657.	3.7	20
111	Photochemical formation of hydroxylated polychlorinated biphenyls (OH-PCBs) from decachlorobiphenyl (PCB-209) on solids/air interface. <i>Journal of Hazardous Materials</i> , 2019, 378, 120758.	6.5	20
112	Improved 3D-QSPR analysis of the predictive octanol-air partition coefficients of hydroxylated and methoxylated polybrominated diphenyl ethers. <i>Atmospheric Environment</i> , 2013, 77, 840-845.	1.9	19
113	Studies of thermodynamic properties and relative stability of a series of polyfluorinated dibenzo-p-dioxins by density functional theory. <i>Journal of Hazardous Materials</i> , 2010, 181, 969-974.	6.5	18
114	Photoreactivity of hydroxylated multi-walled carbon nanotubes and its effects on the photodegradation of atenolol in water. <i>Chemosphere</i> , 2013, 93, 1747-1754.	4.2	18
115	Activation of AhR-mediated toxicity pathway by emerging pollutants polychlorinated diphenyl sulfides. <i>Chemosphere</i> , 2016, 144, 1754-1762.	4.2	18
116	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
117	The influence of humic and fulvic acids on Cd bioavailability to wheat cultivars grown on sewage irrigated Cd-contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111347.	2.9	18
118	Alumina-mediated photocatalytic degradation of hexachlorobenzene in aqueous system: Kinetics and mechanism. <i>Chemosphere</i> , 2020, 257, 127256.	4.2	18
119	Photodegradation of polychlorinated diphenyl sulfides (PCDPSs) under simulated solar light irradiation: Kinetics, mechanism, and density functional theory calculations. <i>Journal of Hazardous Materials</i> , 2020, 398, 122876.	6.5	17
120	The effects of hydroxylated multiwalled carbon nanotubes on the toxicity of nickel to <i>Daphnia magna</i> under different pH levels. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2522-2528.	2.2	16
121	The mutual promotion of photolysis and laccase-catalysis on removal of dichlorophen from water under simulated sunlight irradiation. <i>Chemical Engineering Journal</i> , 2018, 338, 392-400.	6.6	16
122	Enhanced oxidative degradation of decabromodiphenyl ether in soil by coupling Fenton-persulfate processes: Insights into degradation products and reaction mechanisms. <i>Science of the Total Environment</i> , 2020, 737, 139777.	3.9	16
123	Preparation of nitrogen doped silica photocatalyst for enhanced photodegradation of polychlorinated biphenyls (PCB-209). <i>Chemical Engineering Journal</i> , 2021, 425, 131682.	6.6	16
124	Treatment of diazo dye C.I. Reactive Black 5 in aqueous solution by combined process of interior microelectrolysis and ozonation. <i>Water Science and Technology</i> , 2013, 67, 1880-1885.	1.2	15
125	Theoretical study on the OH-initiated oxidation mechanism of polyfluorinated dibenzo-p-dioxins under the atmospheric conditions. <i>Chemosphere</i> , 2016, 144, 2036-2043.	4.2	15
126	Kinetics and mechanism analysis for the photodegradation of PFOA on different solid particles. <i>Chemical Engineering Journal</i> , 2020, 383, 123115.	6.6	15



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127	The influence of hydroxyl-functionalized multi-walled carbon nanotubes and pH levels on the toxicity of lead to <i>Daphnia magna</i> . <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 199-204.	2.0	14
128	QSAR studies of bioconcentration factors of polychlorinated biphenyls (PCBs) using DFT, PCS and CoMFA. <i>Chemosphere</i> , 2014, 114, 101-105.	4.2	14
129	Experimental and QSPR study of sorption properties of polychlorinated diphenyl sulfides (PCDPSs) in Yangtze River plain soil. <i>Geoderma</i> , 2013, 193-194, 140-148.	2.3	13
130	Evaluation of HODE-15, FDE-15, CDE-15, and BDE-15 toxicity on adult and embryonic zebrafish ( <i>Danio</i> ) Tj ETQq0 0.0 rgBT /Overlock 10	2.7	13
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