Zunyao Wang

List of Publications by Year
in descending order

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167 papers	7,731 citations	34105 52 h-index	64796 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 2 O 4 /MWCNTs. Chemical Engineering Journal, 2016, 301, 1-11.	12.7	286
2	Degradation of flumequine in aqueous solution by persulfate activated with common methods and polyhydroquinone-coated magnetite/multi-walled carbon nanotubes catalysts. Water Research, 2015, 85, 1-10.	11.3	225
3	Degradation of fluoroquinolone antibiotics by ferrate(VI): Effects of water constituents and oxidized products. Water Research, 2016, 103, 48-57.	11.3	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. Applied Catalysis B: Environmental, 2016, 187, 1-10.	20.2	200
5	Hydroxyl Radical Based Photocatalytic Degradation of Halogenated Organic Contaminants and Paraffin on Silica Gel. Environmental Science & Technology, 2018, 52, 7220-7229.	10.0	171
6	Oxidative degradation of triclosan by potassium permanganate: Kinetics, degradation products, reaction mechanism, and toxicity evaluation. Water Research, 2016, 103, 215-223.	11.3	165
7	Degradation of aqueous 2,4,4â€²-Trihydroxybenzophenone by persulfate activated with nitrogen doped carbonaceous materials and the formation of dimer products. Water Research, 2018, 143, 176-187.	11.3	165
8	Aryl organophosphate flame retardants induced cardiotoxicity during zebrafish embryogenesis: By disturbing expression of the transcriptional regulators. Aquatic Toxicology, 2015, 161, 25-32.	4.0	151
9	Metal-mediated oxidation of fluoroquinolone antibiotics in water: A review on kinetics, transformation products, and toxicity assessment. Journal of Hazardous Materials, 2018, 344, 1136-1154.	12.4	138
10	Degradation of the UV-filter benzophenone-3 in aqueous solution using persulfate activated by heat, metal ions and light. Chemosphere, 2018, 196, 95-104.	8.2	136
11	Ozonation of indigo enhanced by carboxylated carbon nanotubes: Performance optimization, degradation products, reaction mechanism and toxicity evaluation. Water Research, 2015, 68, 316-327.	11.3	130
12	Enhanced degradation performance of sulfisoxazole using peroxymonosulfate activated by copper-cobalt oxides in aqueous solution: Kinetic study and products identification. Chemical Engineering Journal, 2017, 330, 345-354.	12.7	127
13	Metal accumulation and oxidative stress biomarkers in liver of freshwater fish Carassius auratus following in vivo exposure to waterborne zinc under different pH values. Aquatic Toxicology, 2014, 150, 9-16.	4.0	113
14	Synergistic effect of aqueous removal of fluoroquinolones by a combined use of peroxymonosulfate and ferrate(VI). Chemosphere, 2017, 177, 144-148.	8.2	109
15	Catalytic degradation of 2-phenylbenzimidazole-5-sulfonic acid by peroxymonosulfate activated with nitrogen and sulfur co-doped CNTs-COOH loaded CuFe2O4. Chemical Engineering Journal, 2017, 307, 95-104.	12.7	109
16	Effective degradation of fenitrothion by zero-valent iron powder (Fe0) activated persulfate in aqueous solution: Kinetic study and product identification. Chemical Engineering Journal, 2019, 358, 1479-1488.	12.7	108
17	Degradation of UV-filter benzophenone-3 in aqueous solution using persulfate catalyzed by cobalt ferrite. Chemical Engineering Journal, 2017, 326, 1197-1209.	12.7	106
18	Mixed oxidation of aqueous nonylphenol and triclosan by thermally activated persulfate: Reaction kinetics and formation of co-oligomerization products. Chemical Engineering Journal, 2021, 403, 126396.	12.7	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. Chemosphere, 2013, 93, 82-89.	8.2	101
20	Investigation on Intramolecular Hydrogen Bond and Some Thermodynamic Properties of Polyhydroxylated Anthraquinones. Journal of Chemical & Engineering Data, 2012, 57, 2442-2455.	1.9	98
21	Aquatic photodegradation of sunscreen agent p-aminobenzoic acid in the presence of dissolved organic matter. Water Research, 2013, 47, 153-162.	11.3	94
22	TPhP exposure disturbs carbohydrate metabolism, lipid metabolism, and the DNA damage repair system in zebrafish liver. Scientific Reports, 2016, 6, 21827.	3.3	92
23	Solid surface-mediated photochemical transformation of decabromodiphenyl ether (BDE-209) in aqueous solution. Water Research, 2017, 125, 114-122.	11.3	92
24	Oxidative Degradation of Decabromodiphenyl Ether (BDE 209) by Potassium Permanganate: Reaction Pathways, Kinetics, and Mechanisms Assisted by Density Functional Theory Calculations. Environmental Science & Technology, 2015, 49, 4209-4217.	10.0	90
25	Oxidation of Tris (2-chloroethyl) phosphate in aqueous solution by UV-activated peroxymonosulfate: Kinetics, water matrix effects, degradation products and reaction pathways. Chemosphere, 2017, 185, 833-843.	8.2	88
26	Degradation of sulfadimethoxine in phosphate buffer solution by UV alone, UV/PMS and UV/H2O2: Kinetics, degradation products, and reaction pathways. Chemical Engineering Journal, 2020, 398, 125357.	12.7	88
27	Mechanistic insights into the reactivity of Ferrate(VI) with phenolic compounds and the formation of coupling products. Water Research, 2019, 158, 338-349.	11.3	82
28	Ferrate(VI) oxidation of polychlorinated diphenyl sulfides: Kinetics, degradation, and oxidized products. Water Research, 2018, 143, 1-9.	11.3	81
29	Comparative antioxidant status in freshwater fish Carassius auratus exposed to six current-use brominated flame retardants: A combined experimental and theoretical study. Aquatic Toxicology, 2013, 140-141, 314-323.	4.0	78
30	Experimental and theoretical insights into the photochemical decomposition of environmentally persistent perfluorocarboxylic acids. Water Research, 2016, 104, 34-43.	11.3	78
31	Metal accumulation and antioxidant defenses in the freshwater fish Carassius auratus in response to single and combined exposure to cadmium and hydroxylated multi-walled carbon nanotubes. Journal of Hazardous Materials, 2014, 275, 89-98.	12.4	77
32	Characterization of the thermolysis products of Nafion membrane: A potential source of perfluorinated compounds in the environment. Scientific Reports, 2015, 5, 9859.	3.3	77
33	Activation of ferrate(VI) by ammonia in oxidation of flumequine: Kinetics, transformation products, and antibacterial activity assessment. Chemical Engineering Journal, 2017, 323, 584-591.	12.7	73
34	Assessment of bromide-based ionic liquid toxicity toward aquatic organisms and QSAR analysis. Ecotoxicology and Environmental Safety, 2015, 115, 112-118.	6.0	72
35	Effective degradation of 2,4-dihydroxybenzophenone by zeroâ€“valent iron powder (Fe0)-activated persulfate in aqueous solution: Kinetic study, product identification and theoretical calculations. Science of the Total Environment, 2021, 771, 144743.	8.0	72
36	Fast removal of the antibiotic flumequine from aqueous solution by ozonation: Influencing factors, reaction pathways, and toxicity evaluation. Science of the Total Environment, 2016, 541, 167-175.	8.0	71

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37	Fe-Activated Peroxymonosulfate Enhances the Degradation of Dibutyl Phthalate on Ground Quartz Sand. Environmental Science & Technology, 2020, 54, 9052-9061.	10.0	71
38	In vivo metabolism of organophosphate flame retardants and distribution of their main metabolites in adult zebrafish. Science of the Total Environment, 2017, 590-591, 50-59.	8.0	67
39	Acute toxicity of benzophenone-type UV filters for Photobacterium phosphoreum and Daphnia magna: QSAR analysis, interspecies relationship and integrated assessment. Chemosphere, 2015, 135, 182-188.	8.2	66
40	Photochemical behavior of benzophenone sunscreens induced by nitrate in aquatic environments. Water Research, 2019, 153, 178-186.	11.3	66
41	Oxidative degradation of chlorpyrifos using ferrate(VI): Kinetics and reaction mechanism. Ecotoxicology and Environmental Safety, 2019, 170, 259-266.	6.0	64
42	Estimation of n-octanol/water partition coefficients (Kow) of all PCB congeners by density functional theory. Computational and Theoretical Chemistry, 2005, 755, 137-145.	1.5	63
43	Enhanced Removal of Chlorophene and 17Î²-estradiol by Mn(III) in a Mixture Solution with Humic Acid: Investigation of Reaction Kinetics and Formation of Co-oligomerization Products. Environmental Science & Technology, 2018, 52, 13222-13230.	10.0	63
44	Photodegradation of Polyfluorinated Dibenzo-p-Dioxins in Organic Solvents: Experimental and Theoretical Studies. Environmental Science & Technology, 2016, 50, 8128-8134.	10.0	62
45	Degradation kinetics and transformation products of chlorophene by aqueous permanganate. Water Research, 2018, 138, 293-300.	11.3	62
46	Hepatic oxidative stress biomarker responses in freshwater fish Carassius auratus exposed to four benzophenone UV filters. Ecotoxicology and Environmental Safety, 2015, 119, 116-122.	6.0	61
47	Evaluation of single and joint toxicity of perfluorooctane sulfonate, perfluorooctanoic acid, and copper to Carassius auratus using oxidative stress biomarkers. Aquatic Toxicology, 2015, 161, 108-116.	4.0	60
48	Laccase-Catalyzed Degradation of Perfluorooctanoic Acid. Environmental Science and Technology Letters, 2015, 2, 198-203.	8.7	60
49	Products distribution and contribution of (de)chlorination, hydroxylation and coupling reactions to 2,4-dichlorophenol removal in seven oxidation systems. Water Research, 2021, 194, 116916.	11.3	60
50	Oxidation of flumequine in aqueous solution by UV-activated peroxymonosulfate: Kinetics, water matrix effects, degradation products and reaction pathways. Chemosphere, 2019, 237, 124484.	8.2	58
51	Effect of different carbon nanotubes on cadmium toxicity to Daphnia magna: The role of catalyst impurities and adsorption capacity. Environmental Pollution, 2016, 208, 732-738.	7.5	57
52	Formation of Halogenated Polyaromatic Compounds by Laccase Catalyzed Transformation of Halophenols. Environmental Science & Technology, 2015, 49, 8550-8557.	10.0	55
53	Fe(VI)-Mediated Single-Electron Coupling Processes for the Removal of Chlorophene: A Combined Experimental and Computational Study. Environmental Science & Technology, 2018, 52, 12592-12601.	10.0	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. Chemical Engineering Journal, 2017, 321, 325-334.	12.7	50

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55	Mechanism insights into the oxidative degradation of decabromodiphenyl ethane by potassium permanganate in acidic conditions. Chemical Engineering Journal, 2018, 332, 267-276.	12.7	50
56	Ferrate(VI) oxidation of bisphenol Eâ€“Kinetics, removal performance, and dihydroxylation mechanism. Water Research, 2022, 210, 118025.	11.3	50
57	Rapid Removal of Tetrabromobisphenol A by Ozonation in Water: Oxidation Products, Reaction Pathways and Toxicity Assessment. PLoS ONE, 2015, 10, e0139580.	2.5	49
58	Kinetics and mechanism of the oxidative degradation of parathion by Ferrate(VI). Chemical Engineering Journal, 2019, 365, 142-152.	12.7	49
59	Degradation of pentachlorophenol in peroxymonosulfate/heat system: Kinetics, mechanism, and theoretical calculations. Chemical Engineering Journal, 2022, 434, 134736.	12.7	49
60	Laccase-catalyzed removal of the antimicrobials chlorophene and dichlorophen from water: Reaction kinetics, pathway and toxicity evaluation. Journal of Hazardous Materials, 2016, 317, 81-89.	12.4	46
61	Hepatic antioxidative responses to PCDPSs and estimated short-term biotoxicity in freshwater fish. Aquatic Toxicology, 2012, 120-121, 90-98.	4.0	45
62	Ozonation of pentabromophenol in aqueous basic medium: Kinetics, pathways, mechanism, dimerization and toxicity assessment. Chemosphere, 2019, 220, 546-555.	8.2	42
63	Enhanced degradation performance of bisphenol M using peroxymonosulfate activated by zero-valent iron in aqueous solution: Kinetic study and product identification. Chemosphere, 2019, 221, 314-323.	8.2	42
64	Visible light and fulvic acid assisted generation of Mn(III) to oxidize bisphenol A: The effect of tetrabromobisphenol A. Water Research, 2020, 169, 115273.	11.3	42
65	Effects of common inorganic anions on the ozonation of polychlorinated diphenyl sulfides on silica gel: Kinetics, mechanisms, and theoretical calculations. Water Research, 2020, 186, 116358.	11.3	42
66	Phototransformation of estrogens mediated by Mn(III), not by reactive oxygen species, in the presence of humic acids. Chemosphere, 2018, 201, 224-233.	8.2	41
67	Kinetics and reaction pathways for the transformation of 4-tert-butylphenol by ferrate(VI). Journal of Hazardous Materials, 2021, 401, 123405.	12.4	41
68	Evaluation of single and joint toxicity of perfluorooctane sulfonate and zinc to Limnodrilus hoffmeisteri : Acute toxicity, bioaccumulation and oxidative stress. Journal of Hazardous Materials, 2016, 301, 342-349.	12.4	40
69	Degradation of octafluorodibenzo-p-dioxin by UV/Fe(II)/potassium monopersulfate system: Kinetics, influence of coexisting chemicals, degradation products and pathways. Chemical Engineering Journal, 2017, 319, 98-107.	12.7	40
70	Oxidation of benzophenone-3 in aqueous solution by potassium permanganate: kinetics, degradation products, reaction pathways, and toxicity assessment. Environmental Science and Pollution Research, 2021, 28, 31301-31311.	5.3	39
71	Oxidative stress biomarkers in freshwater fish Carassius auratus exposed to decabromodiphenyl ether and ethane, or their mixture. Ecotoxicology, 2013, 22, 1101-1110.	2.4	37
72	Occurrence of Polychlorinated Diphenyl Sulfides (PCDPSs) in Surface Sediments and Surface Water from the Nanjing Section of the Yangtze River. Environmental Science & Technology, 2014, 48, 11429-11436.	10.0	37

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73	Thermal- and photo-induced degradation of perfluorinated carboxylic acids: Kinetics and mechanism. Water Research, 2017, 126, 12-18.	11.3	37
74	Degradation of sulfadimethoxine by permanganate in aquatic environment: Influence factors, intermediate products and theoretical study. Science of the Total Environment, 2019, 671, 705-713.	8.0	36
75	Development of a model to predict the effect of water chemistry on the acute toxicity of cadmium to Photobacterium phosphoreum. Journal of Hazardous Materials, 2013, 262, 288-296.	12.4	35
76	A comparative study on antioxidant status combined with integrated biomarker response inCarassius auratusfish exposed to nine phthalates. Environmental Toxicology, 2015, 30, 1125-1134.	4.0	35
77	Kinetics and mechanism insights into the photodegradation of hydroperfluorocarboxylic acids in aqueous solution. Chemical Engineering Journal, 2018, 348, 644-652.	12.7	35
78	Removal of 4-chlorophenol, bisphenol A and nonylphenol mixtures by aqueous chlorination and formation of coupling products. Chemical Engineering Journal, 2020, 402, 126140.	12.7	35
79	New Findings of Ferrate(VI) Oxidation Mechanism from Its Degradation of Alkene Imidazole Ionic Liquids. Environmental Science & Technology, 2021, 55, 11733-11744.	10.0	34
80	Aqueous photodegradation of antibiotic florfenicol: kinetics and degradation pathway studies. Environmental Science and Pollution Research, 2016, 23, 6982-6989.	5.3	33
81	Hepatic oxidative stress and catalyst metals accumulation in goldfish exposed to carbon nanotubes under different pH levels. Aquatic Toxicology, 2015, 160, 142-150.	4.0	32
82	The laccase-like reactivity of manganese oxide nanomaterials for pollutant conversion: rate analysis and cyclic voltammetry. Scientific Reports, 2017, 7, 7756.	3.3	31
83	The pH-dependent toxicity of triclosan to five aquatic organisms (Daphnia magna, Photobacterium) Tj ETQq1 1 0.784314 rgBT /Overlock and Pollution Research, 2018, 25, 9636-9646.	5.3	31
84	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. Environmental Science & Technology, 2020, 54, 1573-1582.	10.0	31
85	A combined experimental and computational study on the oxidative degradation of bromophenols by Fe(VI) and the formation of self-coupling products. Environmental Pollution, 2020, 258, 113678.	7.5	31
86	Computational study on the relative stability and formation distribution of 76 polychlorinated naphthalene by density functional theory. Computational and Theoretical Chemistry, 2005, 724, 221-227.	1.5	30
87	Quantitative structureâ€“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. Atmospheric Environment, 2007, 41, 3590-3603.	4.1	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. Environmental Science and Pollution Research, 2014, 21, 1924-1935.	5.3	29
89	The toxic effect and bioaccumulation in aquatic oligochaete Limnodrilus hoffmeisteri after combined exposure to cadmium and perfluorooctane sulfonate at different pH values. Chemosphere, 2016, 152, 496-502.	8.2	29
90	Understanding the ozonated degradation of sulfadimethoxine, exploration of reaction site, and classification of degradation products. Chemosphere, 2018, 212, 228-236.	8.2	29

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91	Efficient photocatalytic degradation of PFOA in N-doped In2O3/simulated sunlight irradiation system and its mechanism. Chemical Engineering Journal, 2022, 435, 134627.	12.7	28
92	Estimation of the aqueous solubility (â^'lgSw) of all polychlorinated dibenzo-furans (PCDF) and polychlorinated dibenzo-p-dioxins (PCDD) congeners by density functional theory. Computational and Theoretical Chemistry, 2006, 766, 25-33.	1.5	27
93	Photodegradation of polychlorinated diphenyl sulfides mediated by reactive oxygen species on silica gel. Chemical Engineering Journal, 2019, 359, 1056-1064.	12.7	27
94	Quantitative Structureâ€“Activity Relationship for Prediction of the Toxicity of Phenols on Photobacterium phosphoreum. Bulletin of Environmental Contamination and Toxicology, 2012, 89, 27-31.	2.7	26
95	Transformation of bromophenols by aqueous chlorination and exploration of main reaction mechanisms. Chemosphere, 2021, 265, 129112.	8.2	26
96	Acute and subacute oral toxicity of polychlorinated diphenyl sulfides in mice: Determining LD50 and assessing the status of hepatic oxidative stress. Environmental Toxicology and Chemistry, 2012, 31, 1485-1493.	4.3	25
97	Acute and chronic toxicity of tetrabromobisphenol A to three aquatic species under different pH conditions. Aquatic Toxicology, 2015, 164, 145-154.	4.0	25
98	Antioxidant defenses and histological changes in Carassius auratus after combined exposure to zinc and three multi-walled carbon nanotubes. Ecotoxicology and Environmental Safety, 2016, 125, 61-71.	6.0	25
99	Responses of antioxidant defense system to polyfluorinated dibenzo-p-dioxins (PFDDs) exposure in liver of freshwater fish Carassius auratus. Ecotoxicology and Environmental Safety, 2016, 126, 170-176.	6.0	25
100	Photochemical transformation of decachlorobiphenyl (PCB-209) on the surface of microplastics in aqueous solution. Chemical Engineering Journal, 2021, 420, 129813.	12.7	25
101	Biochemical biomarkers in liver and gill tissues of freshwater fishCarassius auratusfollowingin vivoexposure to hexabromobenzene. Environmental Toxicology, 2014, 29, 1460-1470.	4.0	24
102	Ozonation of the UV filter benzophenone-4 in aquatic environments: Intermediates and pathways. Chemosphere, 2016, 149, 76-83.	8.2	24
103	The photodegradation of 1,3,6,8-tetrabromocarbazole in n-hexane and in solid-mediated aqueous system: Kinetics and transformation mechanisms. Chemical Engineering Journal, 2019, 375, 121986.	12.7	24
104	Synthesis and QSPR study on environment-related properties of polychlorinated diphenyl sulfides (PCDPSs). Chemosphere, 2012, 88, 844-854.	8.2	23
105	Toxicity and bioaccumulation of copper in Limnodrilus hoffmeisteri under different pH values: Impacts of perfluorooctane sulfonate. Journal of Hazardous Materials, 2016, 305, 219-228.	12.4	22
106	Comparative antioxidant status in freshwater fish Carassius auratus exposed to eight imidazolium bromide ionic liquids: A combined experimental and theoretical study. Ecotoxicology and Environmental Safety, 2014, 102, 187-195.	6.0	21
107	Oxidation of disinfectants with Cl-substituted structure by a Fenton-like system Cu2+/H2O2 and analysis on their structure-reactivity relationship. Environmental Science and Pollution Research, 2016, 23, 1898-1904.	5.3	21
108	Effect of water quality on mercury toxicity to Photobacterium phosphoreum: Model development and its application in natural waters. Ecotoxicology and Environmental Safety, 2014, 104, 231-238.	6.0	20

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109	Activation of Avian Aryl Hydrocarbon Receptor and Inter-species Sensitivity Variations by Polychlorinated Diphenylsulfides. Environmental Science & Technology, 2014, 48, 10948-10956.	10.0	20
110	Factors controlling the rate of perfluorooctanoic acid degradation in laccase-mediator systems: The impact of metal ions. Environmental Pollution, 2017, 224, 649-657.	7.5	20
111	Photochemical formation of hydroxylated polychlorinated biphenyls (OH-PCBs) from decachlorobiphenyl (PCB-209) on solids/air interface. Journal of Hazardous Materials, 2019, 378, 120758.	12.4	20
112	Improved 3D-QSPR analysis of the predictive octanolâ€“air partition coefficients of hydroxylated and methoxylated polybrominated diphenyl ethers. Atmospheric Environment, 2013, 77, 840-845.	4.1	19
113	Studies of thermodynamic properties and relative stability of a series of polyfluorinated dibenzo-p-dioxins by density functional theory. Journal of Hazardous Materials, 2010, 181, 969-974.	12.4	18
114	Photoreactivity of hydroxylated multi-walled carbon nanotubes and its effects on the photodegradation of atenolol in water. Chemosphere, 2013, 93, 1747-1754.	8.2	18
115	Activation of AhR-mediated toxicity pathway by emerging pollutants polychlorinated diphenyl sulfides. Chemosphere, 2016, 144, 1754-1762.	8.2	18
116	Removal of the UV Filter Benzophenone-2 in Aqueous Solution by Ozonation: Kinetics, Intermediates, Pathways and Toxicity. Ozone: Science and Engineering, 2018, 40, 122-132.	2.5	18
117	The influence of humic and fulvic acids on Cd bioavailability to wheat cultivars grown on sewage irrigated Cd-contaminated soils. Ecotoxicology and Environmental Safety, 2020, 205, 111347.	6.0	18
118	Alumina-mediated photocatalytic degradation of hexachlorobenzene in aqueous system: Kinetics and mechanism. Chemosphere, 2020, 257, 127256.	8.2	18
119	Photodegradation of polychlorinated diphenyl sulï¬des (PCDPSs) under simulated solar light irradiation: Kinetics, mechanism, and density functional theory calculations. Journal of Hazardous Materials, 2020, 398, 122876.	12.4	17
120	The effects of hydroxylated multiwalled carbon nanotubes on the toxicity of nickel to Daphnia magna under different pH levels. Environmental Toxicology and Chemistry, 2014, 33, 2522-2528.	4.3	16
121	The mutual promotion of photolysis and laccase-catalysis on removal of dichlorophen from water under simulated sunlight irradiation. Chemical Engineering Journal, 2018, 338, 392-400.	12.7	16
122	Enhanced oxidative degradation of decabromodiphenyl ether in soil by coupling Fenton-persulfate processes: Insights into degradation products and reaction mechanisms. Science of the Total Environment, 2020, 737, 139777.	8.0	16
123	Preparation of nitrogen doped silica photocatalyst for enhanced photodegradation of polychlorinated biphenyls (PCB-209). Chemical Engineering Journal, 2021, 425, 131682.	12.7	16
124	Treatment of diazo dye C.I. Reactive Black 5 in aqueous solution by combined process of interior microelectrolysis and ozonation. Water Science and Technology, 2013, 67, 1880-1885.	2.5	15
125	Theoretical study on the OH-initiated oxidation mechanism of polyfluorinated dibenzo-p-dioxins under the atmospheric conditions. Chemosphere, 2016, 144, 2036-2043.	8.2	15
126	Kinetics and mechanism analysis for the photodegradation of PFOA on different solid particles. Chemical Engineering Journal, 2020, 383, 123115.	12.7	15

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127	The influence of hydroxyl-functionalized multi-walled carbon nanotubes and pH levels on the toxicity of lead to Daphnia magna. Environmental Toxicology and Pharmacology, 2014, 38, 199-204.	4.0	14
128	QSAR studies of bioconcentration factors of polychlorinated biphenyls (PCBs) using DFT, PCS and CoMFA. Chemosphere, 2014, 114, 101-105.	8.2	14
129	Experimental and QSPR study of sorption properties of polychlorinated diphenyl sulfides (PCDPSs) in Yangtze River plain soil. Geoderma, 2013, 193-194, 140-148.	5.1	13
130	Evaluation of HODE-15, FDE-15, CDE-15, and BDE-15 toxicity on adult and embryonic zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.3	13
131	Ferrate (VI)-mediated transformation of diethyl phthalate (DEP) in soil: Kinetics, degradation mechanisms and theoretical calculation. Environmental Pollution, 2021, 290, 118053.	7.5	13
132	Photodegradation of 17Î²-estradiol on silica gel and natural soil by UV treatment. Environmental Pollution, 2018, 242, 1236-1244.	7.5	11
133	DFT calculation on PBPXs: Their gas phase thermodynamic function and implication of Br substituted position. Thermochimica Acta, 2009, 487, 49-53.	2.7	10
134	Acute oral toxicity and liver oxidant/antioxidant stress of halogenated benzene, phenol, and diphenyl ether in mice: a comparative and mechanism exploration. Environmental Science and Pollution Research, 2013, 20, 6138-6149.	5.3	10
135	Influence of anions on ozonation of bisphenol AF: Kinetics, reaction pathways, and toxicity assessment. Chemosphere, 2022, 286, 131864.	8.2	10
136	Photochemical transformation of hexachlorobenzene (HCB) in solid-water system: Kinetics, mechanism and toxicity evaluation. Chemosphere, 2022, 295, 133907.	8.2	10
137	Computational note on thermodynamic function of Polychlorinated Phenoxathiins (PCPTs). Computational and Theoretical Chemistry, 2008, 857, 126-127.	1.5	9
138	Occurrence of polychlorinated diphenyl ethers in Nanjing section of the Yangtze River: level and distribution pattern. Environmental Science and Pollution Research, 2015, 22, 9224-9232.	5.3	9
139	Synthesis of Diaryl Ethers by CuI-Catalyzed C-O Bond Formation via Ullman Coupling: Assessing the Reactivity of Aryl Halides. Letters in Organic Chemistry, 2013, 10, 31-36.	0.5	9
140	Theoretical study on hydrophilicity and thermodynamic properties of polyfluorinated dibenzofurans. Chemosphere, 2011, 84, 296-304.	8.2	8
141	Occurrence of Polychlorodibenzothiophenes in Nanjing Section of the Yangtze River, China. Archives of Environmental Contamination and Toxicology, 2015, 69, 453-460.	4.1	8
142	KMnO4-mediated reactions for hexachlorophene in aqueous solutions: Direct oxidation, self-coupling, and cross-coupling. Chemosphere, 2020, 259, 127422.	8.2	8
143	Experimental and theoretical study on IR and NMR spectra of several tetrachlorinated diphenyl sulfides. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 261-269.	3.9	7
144	Experimental investigation on the soil sorption properties and hydrophobicity of polymethoxylated, polyhydroxylated diphenyl ethers and methoxylated-, hydroxylated-polychlorinated diphenyl ethers. Chemosphere, 2015, 134, 84-90.	8.2	7

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145	Toxicity of Arsenic to Photobacterium phosphoreum, Daphnia magna, and Danio rerio at Different pH Levels. Clean - Soil, Air, Water, 2016, 44, 72-77.	1.1	7
146	QSPR to aqueous solubility (lgSw) of alkyl(1-phenylsulfonyl) cycloalkane-carboxylates using MLSER model and ab initio. Chemosphere, 2006, 62, 349-356.	8.2	6
147	Antioxidant status and Na+, K+-ATPase activity in freshwater fish Carassius auratus exposed to different combustion products of Nafion 117 membrane: an integrated biomarker approach. Environmental Science and Pollution Research, 2015, 22, 3408-3418.	5.3	6
148	Tissue distribution, excretion, and the metabolic pathway of 2,2â€²,4,4â€²,5-penta-chlorinated diphenylsulfide (CDPS-99) in ICR mice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1001, 90-97.	2.3	6
149	Photodegradation of decabromodiphenyl ethane (DBDPE) adsorbed on silica gel in aqueous solution: Kinetics, products, and theoretical calculations. Chemical Engineering Journal, 2019, 375, 121918.	12.7	6
150	The effect of hydroxyl groups on the stability and thermodynamic properties of polyhydroxylated xanthones as calculated by density functional theory. Thermochimica Acta, 2012, 527, 99-111.	2.7	5
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