Ruijuan Qu

List of Publications by Year
in descending order

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100	5,070	81434	107981
papers	citations	41 h-index	68 g-index

101	101	101	4455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of anions on ozonation of bisphenol AF: Kinetics, reaction pathways, and toxicity assessment. Chemosphere, 2022, 286, 131864.	4.2	10
2	Experimental and theoretical study on the degradation of Benzophenone-1 by Ferrate(VI): New insights into the oxidation mechanism. Journal of Hazardous Materials, 2022, 425, 127877.	6.5	21
3	Ferrate(VI) oxidation of bisphenol Eâ€“Kinetics, removal performance, and dihydroxylation mechanism. Water Research, 2022, 210, 118025.	5.3	50
4	Efficient photocatalytic degradation of PFOA in N-doped In2O3/simulated sunlight irradiation system and its mechanism. Chemical Engineering Journal, 2022, 435, 134627.	6.6	28
5	Degradation of pentachlorophenol in peroxymonosulfate/heat system: Kinetics, mechanism, and theoretical calculations. Chemical Engineering Journal, 2022, 434, 134736.	6.6	49
6	Photochemical transformation of hexachlorobenzene (HCB) in solid-water system: Kinetics, mechanism and toxicity evaluation. Chemosphere, 2022, 295, 133907.	4.2	10
7	The environmental fate of biomass associated polybrominated diphenyl ethers. Chemosphere, 2022, 299, 134397.	4.2	3
8	Kinetics and reaction pathways for the transformation of 4-tert-butylphenol by ferrate(VI). Journal of Hazardous Materials, 2021, 401, 123405.	6.5	41
9	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.	6.6	102
10	Transformation of bromophenols by aqueous chlorination and exploration of main reaction mechanisms. Chemosphere, 2021, 265, 129112.	4.2	26
11	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.	2.7	39
12	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.	5.3	60
13	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.	3.9	72
14	Transformation of bisphenol AF by chlorination: kinetic study and product identification. Environmental Science and Pollution Research, 2021, 28, 62519-62529.	2.7	3
15	New Findings of Ferrate(VI) Oxidation Mechanism from Its Degradation of Alkene Imidazole Ionic Liquids. Environmental Science & Technology, 2021, 55, 11733-11744.	4.6	34
16	Photochemical transformation of decachlorobiphenyl (PCB-209) on the surface of microplastics in aqueous solution. Chemical Engineering Journal, 2021, 420, 129813.	6.6	25
17	Preparation of nitrogen doped silica photocatalyst for enhanced photodegradation of polychlorinated biphenyls (PCB-209). Chemical Engineering Journal, 2021, 425, 131682.	6.6	16
18	Ferrate (VI)-mediated transformation of diethyl phthalate (DEP) in soil: Kinetics, degradation mechanisms and theoretical calculation. Environmental Pollution, 2021, 290, 118053.	3.7	13

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19	Experimental and quantum chemical study on the transformation behavior of bisphenol S by radical-driven persulfate oxidation. Environmental Science: Water Research and Technology, 2021, 8, 116-126.	1.2	2
20	Visible light and fulvic acid assisted generation of Mn(III) to oxidize bisphenol A: The effect of tetrabromobisphenol A. Water Research, 2020, 169, 115273.	5.3	42
21	Kinetics and mechanism analysis for the photodegradation of PFOA on different solid particles. Chemical Engineering Journal, 2020, 383, 123115.	6.6	15
22	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.	4.6	31
23	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.	5.3	42
24	Removal of 4-chlorophenol, bisphenol A and nonylphenol mixtures by aqueous chlorination and formation of coupling products. Chemical Engineering Journal, 2020, 402, 126140.	6.6	35
25	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.	3.9	16
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.	6.6	88
27	Alumina-mediated photocatalytic degradation of hexachlorobenzene in aqueous system: Kinetics and mechanism. Chemosphere, 2020, 257, 127256.	4.2	18
28	Fe-Activated Peroxymonosulfate Enhances the Degradation of Dibutyl Phthalate on Ground Quartz Sand. Environmental Science & Technology, 2020, 54, 9052-9061.	4.6	71
29	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.	6.5	17
30	KMnO4-mediated reactions for hexachlorophene in aqueous solutions: Direct oxidation, self-coupling, and cross-coupling. Chemosphere, 2020, 259, 127422.	4.2	8
31	Oxidation of flumequine in aqueous solution by UV-activated peroxymonosulfate: Kinetics, water matrix effects, degradation products and reaction pathways. Chemosphere, 2019, 237, 124484.	4.2	58
32	Photodegradation of decabromodiphenyl ethane (DBDPE) adsorbed on silica gel in aqueous solution: Kinetics, products, and theoretical calculations. Chemical Engineering Journal, 2019, 375, 121918.	6.6	6
33	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.	6.6	24
34	Photochemical formation of hydroxylated polychlorinated biphenyls (OH-PCBs) from decachlorobiphenyl (PCB-209) on solids/air interface. Journal of Hazardous Materials, 2019, 378, 120758.	6.5	20
35	Formation of hydroxylated derivatives and coupling products from the photochemical transformation of polyfluorinated dibenzo-p-dioxins (PFDDs) on silica surfaces. Chemosphere, 2019, 231, 72-81.	4.2	5
36	Mechanistic insights into the reactivity of Ferrate(VI) with phenolic compounds and the formation of coupling products. Water Research, 2019, 158, 338-349.	5.3	82

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37	Kinetics and mechanism of the oxidative degradation of parathion by Ferrate(VI). Chemical Engineering Journal, 2019, 365, 142-152.	6.6	49
38	Photodegradation of polychlorinated diphenyl sulfides mediated by reactive oxygen species on silica gel. Chemical Engineering Journal, 2019, 359, 1056-1064.	6.6	27
39	Formation of perfluorocarboxylic acids from photodegradation of tetrahydroperfluorocarboxylic acids in water. Science of the Total Environment, 2019, 655, 598-606.	3.9	5
40	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.	6.6	108
41	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.	1.4	18
42	Phototransformation of estrogens mediated by Mn(III), not by reactive oxygen species, in the presence of humic acids. Chemosphere, 2018, 201, 224-233.	4.2	41
43	The pH-dependent toxicity of triclosan to five aquatic organisms (Daphnia magna, Photobacterium) Tj ETQq1 1 0.784314 rgBT /Overlo and Pollution Research, 2018, 25, 9636-9646.	2.7	31
44	Degradation of the UV-filter benzophenone-3 in aqueous solution using persulfate activated by heat, metal ions and light. Chemosphere, 2018, 196, 95-104.	4.2	136
45	Degradation kinetics and transformation products of chlorophene by aqueous permanganate. Water Research, 2018, 138, 293-300.	5.3	62
46	Mechanism insights into the oxidative degradation of decabromodiphenyl ethane by potassium permanganate in acidic conditions. Chemical Engineering Journal, 2018, 332, 267-276.	6.6	50
47	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.	4.6	53
48	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.	4.6	63
49	Kinetics and mechanism insights into the photodegradation of hydroperfluorocarboxylic acids in aqueous solution. Chemical Engineering Journal, 2018, 348, 644-652.	6.6	35
50	Photodegradation of 17Î²-estradiol on silica gel and natural soil by UV treatment. Environmental Pollution, 2018, 242, 1236-1244.	3.7	11
51	Hydroxyl Radical Based Photocatalytic Degradation of Halogenated Organic Contaminants and Paraffin on Silica Gel. Environmental Science & Technology, 2018, 52, 7220-7229.	4.6	171
52	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.	5.3	165
53	Ferrate(VI) oxidation of polychlorinated diphenyl sulfides: Kinetics, degradation, and oxidized products. Water Research, 2018, 143, 1-9.	5.3	81
54	Degradation of UV-filter benzophenone-3 in aqueous solution using persulfate catalyzed by cobalt ferrite. Chemical Engineering Journal, 2017, 326, 1197-1209.	6.6	106

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55	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.	6.6	40
56	Solid surface-mediated photochemical transformation of decabromodiphenyl ether (BDE-209) in aqueous solution. Water Research, 2017, 125, 114-122.	5.3	92
57	Thermal- and photo-induced degradation of perfluorinated carboxylic acids: Kinetics and mechanism. Water Research, 2017, 126, 12-18.	5.3	37
58	The laccase-like reactivity of manganese oxide nanomaterials for pollutant conversion: rate analysis and cyclic voltammetry. Scientific Reports, 2017, 7, 7756.	1.6	31
59	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.	4.2	88
60	The OH-initiated atmospheric chemical reactions of polyfluorinated dibenzofurans and polychlorinated dibenzofurans: A comparative theoretical study. Chemosphere, 2017, 168, 10-17.	4.2	3
61	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.	6.6	109
62	Photodegradation of Polyfluorinated Dibenzo-p-Dioxins in Organic Solvents: Experimental and Theoretical Studies. Environmental Science & Technology, 2016, 50, 8128-8134.	4.6	62
63	Impact of carbon nanotubes on the toxicity of inorganic arsenic [AS(III) and AS(V)] to Daphnia magna: The role of certain arsenic species. Environmental Toxicology and Chemistry, 2016, 35, 1852-1859.	2.2	24
64	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.	4.2	29
65	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.	6.6	286
66	Toxicity of Arsenic to Photobacterium phosphoreum, Daphnia magna, and Danio rerio at Different pH Levels. Clean - Soil, Air, Water, 2016, 44, 72-77.	0.7	7
67	Experimental and theoretical insights into the photochemical decomposition of environmentally persistent perfluorocarboxylic acids. Water Research, 2016, 104, 34-43.	5.3	78
68	Degradation of fluoroquinolone antibiotics by ferrate(VI): Effects of water constituents and oxidized products. Water Research, 2016, 103, 48-57.	5.3	206
69	Oxidative degradation of triclosan by potassium permanganate: Kinetics, degradation products, reaction mechanism, and toxicity evaluation. Water Research, 2016, 103, 215-223.	5.3	165
70	Toxicity and bioaccumulation of copper in Limnodrilus hoffmeisteri under different pH values: Impacts of perfluorooctane sulfonate. Journal of Hazardous Materials, 2016, 305, 219-228.	6.5	22
71	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.	3.7	57
72	Effects ofin vivoexposure to polyfluorinated dibenzo-p-dioxins on organo-somatic indices and ethoxyresorufin-O-deethylase activity in mice (Mus musculus). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 150-153.	0.9	3

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73	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.	2.9	25
74	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.	6.5	40
75	Rapid Removal of Tetrabromobisphenol A by Ozonation in Water: Oxidation Products, Reaction Pathways and Toxicity Assessment. PLoS ONE, 2015, 10, e0139580.	1.1	49
76	Characterization of the thermolysis products of Nafion membrane: A potential source of perfluorinated compounds in the environment. Scientific Reports, 2015, 5, 9859.	1.6	77
77	Hepatic oxidative stress and catalyst metals accumulation in goldfish exposed to carbon nanotubes under different pH levels. Aquatic Toxicology, 2015, 160, 142-150.	1.9	32
78	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.	4.6	90
79	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.	4.2	7
80	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.	5.3	225
81	A comparative study on antioxidant status combined with integrated biomarker response inCarassius auratusfish exposed to nine phthalates. Environmental Toxicology, 2015, 30, 1125-1134.	2.1	35
82	Ozonation of indigo enhanced by carboxylated carbon nanotubes: Performance optimization, degradation products, reaction mechanism and toxicity evaluation. Water Research, 2015, 68, 316-327.	5.3	130
83	Hepatic Transcriptome Responses in Mice (Mus musculus) Exposed to the Nafion Membrane and Its Combustion Products. PLoS ONE, 2015, 10, e0128591.	1.1	3
84	Biochemical biomarkers in liver and gill tissues of freshwater fishCarassius auratusfollowingin vivoexposure to hexabromobenzene. Environmental Toxicology, 2014, 29, 1460-1470.	2.1	24
85	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.	2.7	29
86	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.	1.9	113
87	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.	2.9	20
88	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.	6.5	77
89	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.	4.6	37
90	Activation of Avian Aryl Hydrocarbon Receptor and Inter-species Sensitivity Variations by Polychlorinated Diphenylsulfides. Environmental Science & Technology, 2014, 48, 10948-10956.	4.6	20

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91	Oxidative stress biomarkers in freshwater fish Carassius auratus exposed to decabromodiphenyl ether and ethane, or their mixture. Ecotoxicology, 2013, 22, 1101-1110.	1.1	37
92	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.	1.9	78
93	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.	6.5	35
94	Experimental and QSPR study of sorption properties of polychlorinated diphenyl sulfides (PCDPSs) in Yangtze River plain soil. Geoderma, 2013, 193-194, 140-148.	2.3	13
95	Synthesis and physicochemical properties of polyhydroxylated diphenyl ethers. Thermochimica Acta, 2013, 568, 1-12.	1.2	3
96	A Comprehensive Study on Infrared Spectra of 2-Hydroxyxanthone. Spectroscopy Letters, 2012, 45, 240-245.	0.5	2
97	Investigation on Intramolecular Hydrogen Bond and Some Thermodynamic Properties of Polyhydroxylated Anthraquinones. Journal of Chemical & Engineering Data, 2012, 57, 2442-2455.	1.0	98
98	Synthesis and QSPR study on environment-related properties of polychlorinated diphenyl sulfides (PCDPSs). Chemosphere, 2012, 88, 844-854.	4.2	23
99	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.	1.2	5
100	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.	2.0	7