

Zhi-Feng Chen

List of Publications by Year in descending order

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64
papers

4,346
citations

117453

34
h-index

110170

64
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64
all docs

64
docs citations

64
times ranked

5180
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence and fate of eleven classes of antibiotics in two typical wastewater treatment plants in South China. <i>Science of the Total Environment</i> , 2013, 452-453, 365-376.	3.9	385
2	Excretion masses and environmental occurrence of antibiotics in typical swine and dairy cattle farms in China. <i>Science of the Total Environment</i> , 2013, 444, 183-195.	3.9	343
3	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO ₂ /carbon dots photocatalyst: The significant roles of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 250-259.	10.8	229
4	Occurrence, fate and ecological risk of five typical azole fungicides as therapeutic and personal care products in the environment: A review. <i>Environment International</i> , 2015, 84, 142-153.	4.8	166
5	Biotransformation of progesterone and norgestrel by two freshwater microalgae (<i>Scenedesmus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Chemosphere</i> , 2014, 95, 581-588.	4.2	165
6	Removal of antibiotics and antibiotic resistance genes from domestic sewage by constructed wetlands: Effect of flow configuration and plant species. <i>Science of the Total Environment</i> , 2016, 571, 974-982.	3.9	164
7	4-Nonylphenol, bisphenol-A and triclosan levels in human urine of children and students in China, and the effects of drinking these bottled materials on the levels. <i>Environment International</i> , 2013, 52, 81-86.	4.8	161
8	Determination of biocides in different environmental matrices by use of ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 3175-3188.	1.9	141
9	Steroids in a typical swine farm and their release into the environment. <i>Water Research</i> , 2012, 46, 3754-3768.	5.3	139
10	Monitoring of selected estrogenic compounds and estrogenic activity in surface water and sediment of the Yellow River in China using combined chemical and biological tools. <i>Environmental Pollution</i> , 2012, 165, 241-249.	3.7	128
11	Simultaneous removal of inorganic and organic compounds in wastewater by freshwater green microalgae. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2018.	1.7	117
12	Biocides in the Yangtze River of China: Spatiotemporal distribution, mass load and risk assessment. <i>Environmental Pollution</i> , 2015, 200, 53-63.	3.7	112
13	Bioaccumulation and risk assessment of per- and polyfluoroalkyl substances in wild freshwater fish from rivers in the Pearl River Delta region, South China. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 192-199.	2.9	111
14	Occurrence and fate of androgens, estrogens, glucocorticoids and progestagens in two different types of municipal wastewater treatment plants. <i>Journal of Environmental Monitoring</i> , 2012, 14, 482-491.	2.1	107
15	Triclosan as a surrogate for household biocides: An investigation into biocides in aquatic environments of a highly urbanized region. <i>Water Research</i> , 2014, 58, 269-279.	5.3	107
16	Removal of antibiotics and antibiotic resistance genes in rural wastewater by an integrated constructed wetland. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1794-1803.	2.7	105
17	Fate and occurrence of steroids in swine and dairy cattle farms with different farming scales and wastes disposal systems. <i>Environmental Pollution</i> , 2012, 170, 190-201.	3.7	99
18	Microwave-Assisted Synthesis of Fe ₃ O ₄ Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29203-29212.	4.0	91

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19	Ferrate(VI) oxidation of tetrabromobisphenol A in comparison with bisphenol A. <i>Water Research</i> , 2014, 62, 211-219.	5.3	78
20	Photocatalytic degradation of clofibric acid by g-C ₃ N ₄ /P25 composites under simulated sunlight irradiation: The significant effects of reactive species. <i>Chemosphere</i> , 2017, 172, 193-200.	4.2	78
21	Contamination profiles of perfluoroalkyl substances in five typical rivers of the Pearl River Delta region, South China. <i>Chemosphere</i> , 2014, 114, 16-25.	4.2	77
22	Analysis of 21 progestagens in various matrices by ultra-high-performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) with diverse sample pretreatment. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7299-7311.	1.9	71
23	Field dissipation and risk assessment of typical personal care products TCC, TCS, AHTN and HHCB in biosolid-amended soils. <i>Science of the Total Environment</i> , 2014, 470-471, 1078-1086.	3.9	64
24	Occurrence and dissipation of benzotriazoles and benzotriazole ultraviolet stabilizers in biosolid-amended soils. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 761-767.	2.2	62
25	Investigation of the interaction between the fate of antibiotics in aquafarms and their level in the environment. <i>Journal of Environmental Management</i> , 2018, 207, 219-229.	3.8	61
26	Screening of multiple hormonal activities in surface water and sediment from the Pearl River system, South China, using effect-directed in vitro bioassays. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2208-2215.	2.2	59
27	Adsorption of phenanthrene and its monohydroxy derivatives on polyvinyl chloride microplastics in aqueous solution: Model fitting and mechanism analysis. <i>Science of the Total Environment</i> , 2021, 764, 142889.	3.9	53
28	Photodegradation of the azole fungicide fluconazole in aqueous solution under UV-254: Kinetics, mechanistic investigations and toxicity evaluation. <i>Water Research</i> , 2014, 52, 83-91.	5.3	50
29	Use patterns, excretion masses and contamination profiles of antibiotics in a typical swine farm, south China. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 802.	1.7	46
30	Contamination and risk profiles of triclosan and triclocarban in sediments from a less urbanized region in China. <i>Journal of Hazardous Materials</i> , 2018, 357, 376-383.	6.5	45
31	In Situ Detection and Imaging of PFOS in Mouse Kidney by Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 8783-8788.	3.2	43
32	Contamination profiles and potential health risks of organophosphate flame retardants in PM _{2.5} from Guangzhou and Taiyuan, China. <i>Environment International</i> , 2020, 134, 105343.	4.8	43
33	Chemical identity and cardiovascular toxicity of hydrophobic organic components in PM _{2.5} . <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110827.	2.9	39
34	Occurrence and dissipation of three azole biocides climbazole, clotrimazole and miconazole in biosolid-amended soils. <i>Science of the Total Environment</i> , 2013, 452-453, 377-383.	3.9	38
35	Multimedia fate modeling and risk assessment of a commonly used azole fungicide climbazole at the river basin scale in China. <i>Science of the Total Environment</i> , 2015, 520, 39-48.	3.9	36
36	Facile hydrothermal synthesis of carbon dots (CDs) doped ZnFe ₂ O ₄ /TiO ₂ hybrid materials with high photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 10-18.	2.0	36

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37	Beyond Substituted <i>p</i> -Phenylenediamine Antioxidants: Prevalence of Their Quinone Derivatives in PM _{2.5} . <i>Environmental Science & Technology</i> , 2022, 56, 10629-10637.	4.6	36
38	Basin-scale emission and multimedia fate of triclosan in whole China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10130-10143.	2.7	32
39	Acute exposure to triphenyl phosphate inhibits the proliferation and cardiac differentiation of mouse embryonic stem cells and zebrafish embryos. <i>Journal of Cellular Physiology</i> , 2019, 234, 21235-21248.	2.0	32
40	Occurrence, removal and mass loads of antiviral drugs in seven wastewater treatment plants with various treatment processes. <i>Water Research</i> , 2021, 207, 117803.	5.3	32
41	Effects of hydroxyl group content on adsorption and desorption of anthracene and anthrol by polyvinyl chloride microplastics. <i>Science of the Total Environment</i> , 2021, 790, 148077.	3.9	29
42	Typical Azole Biocides in Biosolid-Amended Soils and Plants Following Biosolid Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6198-6206.	2.4	27
43	Determination of HFRs and OPFRs in PM _{2.5} by ultrasonic-assisted extraction combined with multi-segment column purification and GC-MS/MS. <i>Talanta</i> , 2019, 194, 320-328.	2.9	24
44	Metabolomics reveals the reproductive abnormality in female zebrafish exposed to environmentally relevant levels of climbazole. <i>Environmental Pollution</i> , 2021, 275, 116665.	3.7	24
45	Investigation of PM _{2.5} pollution during COVID-19 pandemic in Guangzhou, China. <i>Journal of Environmental Sciences</i> , 2022, 115, 443-452.	3.2	23
46	Analysis of azole fungicides in fish muscle tissues: Multi-factor optimization and application to environmental samples. <i>Journal of Hazardous Materials</i> , 2017, 324, 535-543.	6.5	22
47	Evaluation and optimization of sample pretreatment for GC/MS-based metabolomics in embryonic zebrafish. <i>Talanta</i> , 2020, 207, 120260.	2.9	22
48	Field dissipation of four personal care products in biosolids-amended soils in North China. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2413-2421.	2.2	21
49	Analysis of transcriptional response in zebrafish eleutheroembryos exposed to climbazole: Signaling pathways and potential biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 794-805.	2.2	20
50	Contamination profiles and health impact of benzothiazole and its derivatives in PM _{2.5} in typical Chinese cities. <i>Science of the Total Environment</i> , 2021, 755, 142617.	3.9	19
51	Fe ₃ O ₄ -assisted laser desorption ionization mass spectrometry for typical metabolite analysis and localization: Influencing factors, mechanisms, and environmental applications. <i>Journal of Hazardous Materials</i> , 2020, 388, 121817.	6.5	16
52	Uptake, Accumulation, and Biomarkers of PM _{2.5} -Associated Organophosphate Flame Retardants in C57BL/6 Mice after Chronic Exposure at Real Environmental Concentrations. <i>Environmental Science & Technology</i> , 2020, 54, 9519-9528.	4.6	16
53	GC-MS/MS analysis for source identification of emerging POPs in PM _{2.5} . <i>Ecotoxicology and Environmental Safety</i> , 2020, 193, 110368.	2.9	13
54	Toxic effects of triclocarban on larval zebrafish: A focus on visual dysfunction. <i>Aquatic Toxicology</i> , 2021, 241, 106013.	1.9	13

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55	Field dissipation and plant uptake of benzotriazole ultraviolet stabilizers in biosolid-amended soils. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 558.	1.7	12
56	Taurine reduction associated with heart dysfunction after real-world PM2.5 exposure in aged mice. <i>Science of the Total Environment</i> , 2021, 782, 146866.	3.9	11
57	Nano Fe ₃ -Cu O ₄ as the heterogeneous catalyst in an advanced oxidation process for excellent peroxymonosulfate activation toward climbazole degradation. <i>Chemical Engineering Journal</i> , 2022, 439, 135553.	6.6	11
58	Photocatalytic transformation of climbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. <i>Environmental Science: Nano</i> , 2019, 6, 2986-2999.	2.2	10
59	MALDI-MS Imaging Analysis of Noninflammatory Type III Rotaxane Dendrimers. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2488-2494.	1.2	7
60	Distribution and risk assessment of hexachlorobutadiene, pentachloroanisole, and chlorobenzenes in sediment and wild fish from a region affected by industrial and agricultural activities in South China. <i>Journal of Hazardous Materials</i> , 2021, 417, 126002.	6.5	7
61	Chronic Exposure to Climbazole Induces Oxidative Stress and Sex Hormone Imbalance in the Testes of Male Zebrafish. <i>Chemical Research in Toxicology</i> , 2021, 34, 2558-2566.	1.7	7
62	Pollution characteristics, exposure assessment and potential cardiotoxicities of PM2.5-bound benzotriazole and its derivatives in typical Chinese cities. <i>Science of the Total Environment</i> , 2022, 809, 151132.	3.9	4
63	A QuEChERS-based UPLC-MS/MS method for rapid determination of organophosphate flame retardants and their metabolites in human urine. <i>Science of the Total Environment</i> , 2022, 826, 153989.	3.9	4
64	Extracellular and Intracellular Angiotensin II Regulate the Automaticity of Developing Cardiomyocytes via Different Signaling Pathways. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 699827.	1.6	3