Zhi-Feng Chen

List of Publications by Year
in descending order

64 papers	4,346 citations	117453 34 h-index	110170 64 g-index
64 all docs	64 docs citations	64 times ranked	5180 citing authors

#	Article	IF	Citations
1	Investigation of PM2.5 pollution during COVID-19 pandemic in Guangzhou, China. Journal of Environmental Sciences, 2022, 115, 443-452.	3.2	23
2	Pollution characteristics, exposure assessment and potential cardiotoxicities of PM2.5-bound benzotriazole and its derivatives in typical Chinese cities. Science of the Total Environment, 2022, 809, 151132.	3.9	4
3	A QuEChERS-based UPLC-MS/MS method for rapid determination of organophosphate flame retardants and their metabolites in human urine. Science of the Total Environment, 2022, 826, 153989.	3.9	4
4	Nano Fe3-Cu O4 as the heterogeneous catalyst in an advanced oxidation process for excellent peroxymonosulfate activation toward climbazole degradation. Chemical Engineering Journal, 2022, 439, 135553.	6.6	11
5	Beyond Substituted p-Phenylenediamine Antioxidants: Prevalence of Their Quinone Derivatives in PM_{2.5}. Environmental Science & Technology, 2022, 56, 10629-10637.	4.6	36
6	Adsorption of phenanthrene and its monohydroxy derivatives on polyvinyl chloride microplastics in aqueous solution: Model fitting and mechanism analysis. Science of the Total Environment, 2021, 764, 142889.	3.9	53
7	Contamination profiles and health impact of benzothiazole and its derivatives in PM2.5 in typical Chinese cities. Science of the Total Environment, 2021, 755, 142617.	3.9	19
8	Metabolomics reveals the reproductive abnormality in female zebrafish exposed to environmentally relevant levels of climbazole. Environmental Pollution, 2021, 275, 116665.	3.7	24
9	Taurine reduction associated with heart dysfunction after real-world PM2.5 exposure in aged mice. Science of the Total Environment, 2021, 782, 146866.	3.9	11
10	Extracellular and Intracellular Angiotensin II Regulate the Automaticity of Developing Cardiomyocytes via Different Signaling Pathways. Frontiers in Molecular Biosciences, 2021, 8, 699827.	1.6	3
11	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. Journal of Hazardous Materials, 2021, 417, 126002.	6.5	7
12	Effects of hydroxyl group content on adsorption and desorption of anthracene and anthrol by polyvinyl chloride microplastics. Science of the Total Environment, 2021, 790, 148077.	3.9	29
13	Occurrence, removal and mass loads of antiviral drugs in seven wastewater treatment plants with various treatment processes. Water Research, 2021, 207, 117803.	5.3	32
14	Toxic effects of triclocarban on larval zebrafish: A focus on visual dysfunction. Aquatic Toxicology, 2021, 241, 106013.	1.9	13
15	Chronic Exposure to Climbazole Induces Oxidative Stress and Sex Hormone Imbalance in the Testes of Male Zebrafish. Chemical Research in Toxicology, 2021, 34, 2558-2566.	1.7	7
16	Evaluation and optimization of sample pretreatment for GC/MS-based metabolomics in embryonic zebrafish. Talanta, 2020, 207, 120260.	2.9	22
17	Fe3O4-assisted laser desorption ionization mass spectrometry for typical metabolite analysis and localization: Influencing factors, mechanisms, and environmental applications. Journal of Hazardous Materials, 2020, 388, 121817.	6.5	16
18	Contamination profiles and potential health risks of organophosphate flame retardants in PM2.5 from Guangzhou and Taiyuan, China. Environment International, 2020, 134, 105343.	4.8	43

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19	MALDI-MS Imaging Analysis of Noninflammatory Type III Rotaxane Dendrimers. Journal of the American Society for Mass Spectrometry, 2020, 31, 2488-2494.	1.2	7
20	Chemical identity and cardiovascular toxicity of hydrophobic organic components in PM2.5. Ecotoxicology and Environmental Safety, 2020, 201, 110827.	2.9	39
21	Uptake, Accumulation, and Biomarkers of PM_{2.5}-Associated Organophosphate Flame Retardants in C57BL/6 Mice after Chronic Exposure at Real Environmental Concentrations. Environmental Science & Technology, 2020, 54, 9519-9528.	4.6	16
22	GC-MS/MS analysis for source identification of emerging POPs in PM2.5. Ecotoxicology and Environmental Safety, 2020, 193, 110368.	2.9	13
23	Photocatalytic transformation of climbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. Environmental Science: Nano, 2019, 6, 2986-2999.	2.2	10
24	In Situ Detection and Imaging of PFOS in Mouse Kidney by Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. Analytical Chemistry, 2019, 91, 8783-8788.	3.2	43
25	Acute exposure to triphenyl phosphate inhibits the proliferation and cardiac differentiation of mouse embryonic stem cells and zebrafish embryos. Journal of Cellular Physiology, 2019, 234, 21235-21248.	2.0	32
26	Analysis of transcriptional response in zebrafish eleutheroembryos exposed to climbazole: Signaling pathways and potential biomarkers. Environmental Toxicology and Chemistry, 2019, 38, 794-805.	2.2	20
27	Determination of HFRs and OPFRs in PM2.5 by ultrasonic-assisted extraction combined with multi-segment column purification and GC-MS/MS. Talanta, 2019, 194, 320-328.	2.9	24
28	Investigation of the interaction between the fate of antibiotics in aquafarms and their level in the environment. Journal of Environmental Management, 2018, 207, 219-229.	3.8	61
29	Facile hydrothermal synthesis of carbon dots (CDs) doped ZnFe2O4/TiO2 hybrid materials with high photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 10-18.	2.0	36
30	Contamination and risk profiles of triclosan and triclocarban in sediments from a less urbanized region in China. Journal of Hazardous Materials, 2018, 357, 376-383.	6.5	45
31	Photocatalytic degradation of clofibric acid by g-C3N4/P25 composites under simulated sunlight irradiation: The significant effects of reactive species. Chemosphere, 2017, 172, 193-200.	4.2	78
32	Microwave-Assisted Synthesis of Fe₃O₄ Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. ACS Applied Materials & Interfaces, 2017, 9, 29203-29212.	4.0	91
33	Analysis of azole fungicides in fish muscle tissues: Multi-factor optimization and application to environmental samples. Journal of Hazardous Materials, 2017, 324, 535-543.	6.5	22
34	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO2/carbon dots photocatalyst: The significant roles of reactive oxygen species. Applied Catalysis B: Environmental, 2017, 204, 250-259.	10.8	229
35	Removal of antibiotics and antibiotic resistance genes from domestic sewage by constructed wetlands: Effect of flow configuration and plant species. Science of the Total Environment, 2016, 571, 974-982.	3.9	164
36	Biocides in the Yangtze River of China: Spatiotemporal distribution, mass load and risk assessment. Environmental Pollution, 2015, 200, 53-63.	3.7	112

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37	Multimedia fate modeling and risk assessment of a commonly used azole fungicide climbazole at the river basin scale in China. Science of the Total Environment, 2015, 520, 39-48.	3.9	36
38	Basin-scale emission and multimedia fate of triclosan in whole China. Environmental Science and Pollution Research, 2015, 22, 10130-10143.	2.7	32
39	Occurrence, fate and ecological risk of five typical azole fungicides as therapeutic and personal care products in the environment: A review. Environment International, 2015, 84, 142-153.	4.8	166
40	Removal of antibiotics and antibiotic resistance genes in rural wastewater by an integrated constructed wetland. Environmental Science and Pollution Research, 2015, 22, 1794-1803.	2.7	105
41	Occurrence and dissipation of benzotriazoles and benzotriazole ultraviolet stabilizers in biosolidâ€amended soils. Environmental Toxicology and Chemistry, 2014, 33, 761-767.	2.2	62
42	Field dissipation of four personal care products in biosolidsâ€amended soils in North China. Environmental Toxicology and Chemistry, 2014, 33, 2413-2421.	2.2	21
43	Triclosan as a surrogate for household biocides: An investigation into biocides in aquatic environments of a highly urbanized region. Water Research, 2014, 58, 269-279.	5.3	107
44	Photodegradation of the azole fungicide fluconazole in aqueous solution under UV-254: Kinetics, mechanistic investigations and toxicity evaluation. Water Research, 2014, 52, 83-91.	5.3	50
45	Field dissipation and plant uptake of benzotriazole ultraviolet stabilizers in biosolid-amended soils. Environmental Sciences: Processes and Impacts, 2014, 16, 558.	1.7	12
46	Analysis of 21 progestagens in various matrices by ultra-high-performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) with diverse sample pretreatment. Analytical and Bioanalytical Chemistry, 2014, 406, 7299-7311.	1.9	71
47	Bioaccumulation and risk assessment of per- and polyfluoroalkyl substances in wild freshwater fish from rivers in the Pearl River Delta region, South China. Ecotoxicology and Environmental Safety, 2014, 107, 192-199.	2.9	111
48	Simultaneous removal of inorganic and organic compounds in wastewater by freshwater green microalgae. Environmental Sciences: Processes and Impacts, 2014, 16, 2018.	1.7	117
49	Ferrate(VI) oxidation of tetrabromobisphenol A in comparison with bisphenol A. Water Research, 2014, 62, 211-219.	5.3	78
50	Contamination profiles of perfluoroalkyl substances in five typical rivers of the Pearl River Delta region, South China. Chemosphere, 2014, 114, 16-25.	4.2	77
51	Field dissipation and risk assessment of typical personal care products TCC, TCS, AHTN and HHCB in biosolid-amended soils. Science of the Total Environment, 2014, 470-471, 1078-1086.	3.9	64
52	Biotransformation of progesterone and norgestrel by two freshwater microalgae (Scenedesmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 Chemosphere, 2014, 95, 581-588.	4.2	165
53	Occurrence and dissipation of three azole biocides climbazole, clotrimazole and miconazole in biosolid-amended soils. Science of the Total Environment, 2013, 452-453, 377-383.	3.9	38
54	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. Environment International, 2013, 52, 81-86.	4.8	161

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55	Excretion masses and environmental occurrence of antibiotics in typical swine and dairy cattle farms in China. Science of the Total Environment, 2013, 444, 183-195.	3.9	343
56	Occurrence and fate of eleven classes of antibiotics in two typical wastewater treatment plants in South China. Science of the Total Environment, 2013, 452-453, 365-376.	3.9	385
57	Use patterns, excretion masses and contamination profiles of antibiotics in a typical swine farm, south China. Environmental Sciences: Processes and Impacts, 2013, 15, 802.	1.7	46
58	Typical Azole Biocides in Biosolid-Amended Soils and Plants Following Biosolid Applications. Journal of Agricultural and Food Chemistry, 2013, 61, 6198-6206.	2.4	27
59	Steroids in a typical swine farm and their release into the environment. Water Research, 2012, 46, 3754-3768.	5.3	139
60	Fate and occurrence of steroids in swine and dairy cattle farms with different farming scales and wastes disposal systems. Environmental Pollution, 2012, 170, 190-201.	3.7	99
61	Occurrence and fate of androgens, estrogens, glucocorticoids and progestagens in two different types of municipal wastewater treatment plants. Journal of Environmental Monitoring, 2012, 14, 482-491.	2.1	107
62	Determination of biocides in different environmental matrices by use of ultra-high-performance liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 404, 3175-3188.	1.9	141
63	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. Environmental Pollution, 2012, 165, 241-249.	3.7	128
64	Screening of multiple hormonal activities in surface water and sediment from the Pearl River system, South China, using effectâ€directed in vitro bioassays. Environmental Toxicology and Chemistry, 2011, 30, 2208-2215.	2.2	59