

Haijun Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73 papers	6,884 citations	26 h-index	74 g-index
74 ext. papers	7,818 ext. citations	8.8 avg, IF	5.68 L-index

#	Paper	IF	Citations
73	Accumulation characteristics of polychlorinated dibenzo-p-dioxins and dibenzofurans and polychlorinated biphenyls in human breast milk from a seaside city of North China.. <i>Environmental Pollution</i> , 2022 , 297, 118794	9.3	0
72	FT-ICR mass spectrometry for molecular characterization of water-insoluble organic compounds in winter atmospheric fine particulate matters.. <i>Journal of Environmental Sciences</i> , 2022 , 111, 51-60	6.4	1
71	Insights into the hepatotoxicity of pyrene and 1-chloropyrene using an integrated approach of metabolomics and transcriptomics.. <i>Science of the Total Environment</i> , 2022 , 829, 154637	10.2	
70	Occurrence, accumulation, and health risks of heavy metals in Chinese market baskets.. <i>Science of the Total Environment</i> , 2022 , 154597	10.2	1
69	Residual levels and health risk assessment of rare earth elements in Chinese resident diet: A market-based investigation.. <i>Science of the Total Environment</i> , 2022 , 154119	10.2	0
68	Transcriptomics and metabolomics analyses provide insights into the difference in toxicity of benzo[a]pyrene and 6-chlorobenzo[a]pyrene to human hepatic cells.. <i>Science of the Total Environment</i> , 2021 , 812, 152242	10.2	1
67	Molecular chemodiversity of water-soluble organic matter in atmospheric particulate matter and their associations with atmospheric conditions. <i>Science of the Total Environment</i> , 2021 , 809, 151171	10.2	0
66	Exposure to short-chain chlorinated paraffins inhibited PPAR α -mediated fatty acid oxidation and stimulated aerobic glycolysis in vitro in human cells. <i>Science of the Total Environment</i> , 2021 , 772, 144957	10.2	4
65	Accumulation characteristics and estimated dietary intakes of polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and polychlorinated biphenyls in plant-origin foodstuffs from Chinese markets. <i>Science of the Total Environment</i> , 2021 , 775, 145830	10.2	7
64	Low-temperature catalytic degradation of chlorinated aromatic hydrocarbons over bimetallic Ce-Zr/UiO-66 catalysts. <i>Chemical Engineering Journal</i> , 2021 , 414, 128782	14.7	7
63	The effect of toxic components on metabolomic response of male SD rats exposed to fine particulate matter. <i>Environmental Pollution</i> , 2021 , 272, 115922	9.3	7
62	Effect of short-chain chlorinated paraffins on metabolic profiling of male SD rats. <i>Science of the Total Environment</i> , 2021 , 750, 141404	10.2	2
61	Inhibition Effect and Mechanism of Thiourea on Electrophilic Chlorination of Aromatics in Combustion Flue Gas. <i>Environmental Science & Technology</i> , 2021 , 55, 700-708	10.3	2
60	Life Cycle Exposure to Environmentally Relevant Concentrations of Diphenyl Phosphate (DPhP) Inhibits Growth and Energy Metabolism of Zebrafish in a Sex-Specific Manner. <i>Environmental Science & Technology</i> , 2021 , 55, 13122-13131	10.3	1
59	Effect of urea on chlorinated aromatics formation mediated by copper and iron species in combustion flue gas. <i>Chemosphere</i> , 2021 , 280, 130963	8.4	
58	Internal exposure of Chinese children from a typical coastal city to bisphenols and possible association with thyroid hormone levels. <i>Environment International</i> , 2021 , 156, 106759	12.9	2
57	Spraying polyacrylamide solution to improve the removal of particle-phase dioxins by bag filter in a full-scale municipal solid waste incineration system. <i>Chemosphere</i> , 2021 , 285, 131392	8.4	2

56	Suppressing the formation of chlorinated aromatics by inhibitor sodium thiocyanate in solid waste incineration process. <i>Science of the Total Environment</i> , 2021 , 798, 149154	10.2	1
55	Effects of harvesting and extraction methods on metabolite recovery from adherently growing mammalian cells. <i>Analytical Methods</i> , 2020 , 12, 2491-2498	3.2	3
54	Partitioning and removal behaviors of PCDD/Fs, PCBs and PCNs in a modern municipal solid waste incineration system. <i>Science of the Total Environment</i> , 2020 , 735, 139134	10.2	22
53	Synergistic effect of mixed Cu and Fe oxides and chlorides on electrophilic chlorination of dibenzo-p-dioxin and dibenzofuran. <i>Science of the Total Environment</i> , 2020 , 721, 137563	10.2	6
52	Mass balance and elimination mechanism of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) during the kraft pulping process. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122819	12.8	3
51	Mechanistic aspects of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) formation from chlorine bleaching of non-wood pulp. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121652	12.8	4
50	Electrophilic chlorination of dibenzo-p-dioxin and dibenzofuran over composite copper and iron chlorides and oxides in combustion flue gas. <i>Chemosphere</i> , 2020 , 256, 127065	8.4	3
49	Levels and patterns of polychlorinated dibenzo-p-dioxins and dibenzofurans and polychlorinated biphenyls in foodstuffs of animal origin from Chinese markets and implications of dietary exposure. <i>Environmental Pollution</i> , 2020 , 273, 116344	9.3	7
48	Short-chain chlorinated paraffins (SCCPs) disrupt hepatic fatty acid metabolism in liver of male rat via interacting with peroxisome proliferator-activated receptor (PPAR). <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 164-171	7	16
47	Comparing the disrupting effects of short-, medium- and long-chain chlorinated Paraffins on cell viability and metabolism. <i>Science of the Total Environment</i> , 2019 , 685, 297-307	10.2	25
46	Levels and fingerprints of chlorinated aromatic hydrocarbons in fly ashes from the typical industrial thermal processes: Implication for the co-formation mechanism. <i>Chemosphere</i> , 2019 , 224, 298-305	8.4	12
45	Electrophilic Chlorination of Naphthalene in Combustion Flue Gas. <i>Environmental Science & Technology</i> , 2019 , 53, 5741-5749	10.3	15
44	Identification and evaluation of chlorinated nonane paraffins in the environment: A persistent organic pollutant candidate for the Stockholm Convention?. <i>Journal of Hazardous Materials</i> , 2019 , 371, 449-455	12.8	20
43	Removal kinetics of petroleum hydrocarbons from low-permeable soil by sand mixing and thermal enhancement of soil vapor extraction. <i>Chemosphere</i> , 2019 , 236, 124319	8.4	11
42	Molecular characterization of dissolved organic matters in winter atmospheric fine particulate matters (PM) from a coastal city of northeast China. <i>Science of the Total Environment</i> , 2019 , 689, 312-321	10.2	14
41	Integration of metabolomics and transcriptomics reveals short-chain chlorinated paraffin-induced hepatotoxicity in male Sprague-Dawley rat. <i>Environment International</i> , 2019 , 133, 105231	12.9	29
40	Release and Transformation of BTBPE During the Thermal Treatment of Flame Retardant ABS Plastics. <i>Environmental Science & Technology</i> , 2019 , 53, 185-193	10.3	28
39	Validation of a HRGC-ECNI/LRMS method to monitor short-chain chlorinated paraffins in human plasma. <i>Journal of Environmental Sciences</i> , 2019 , 75, 289-295	6.4	18

38	Diurnal variations of atmospheric polycyclic aromatic hydrocarbons (PAHs) during three sequent winter haze episodes in Beijing, China. <i>Science of the Total Environment</i> , 2018 , 625, 1486-1493	10.2	31
37	A metabolomics strategy to assess the combined toxicity of polycyclic aromatic hydrocarbons (PAHs) and short-chain chlorinated paraffins (SCCPs). <i>Environmental Pollution</i> , 2018 , 234, 572-580	9.3	36
36	Short-chain chlorinated paraffins (SCCPs) induced thyroid disruption by enhancement of hepatic thyroid hormone influx and degradation in male Sprague Dawley rats. <i>Science of the Total Environment</i> , 2018 , 625, 657-666	10.2	30
35	Hazy Weather-Induced Variation in Environmental Behavior of PCDD/Fs and PBDEs in Winter Atmosphere of A North China Megacity. <i>Environmental Science & Technology</i> , 2018 , 52, 8173-8182	10.3	26
34	Bioaccumulation and human health risks of OCPs and PCBs in freshwater products of Northeast China. <i>Environmental Pollution</i> , 2018 , 242, 1527-1534	9.3	21
33	Developmental and metabolic responses of zebrafish (<i>Danio rerio</i>) embryos and larvae to short-chain chlorinated paraffins (SCCPs) exposure. <i>Science of the Total Environment</i> , 2018 , 622-623, 214-221	10.2	38
32	Simultaneous determination of chlorinated aromatic hydrocarbons in fly ashes discharged from industrial thermal processes. <i>Analytical Methods</i> , 2017 , 9, 5198-5203	3.2	13
31	Release and Gas-Particle Partitioning Behaviors of Short-Chain Chlorinated Paraffins (SCCPs) During the Thermal Treatment of Polyvinyl Chloride Flooring. <i>Environmental Science & Technology</i> , 2017 , 51, 9005-9012	10.3	25
30	Dispersion of Short- and Medium-Chain Chlorinated Paraffins (CPs) from a CP Production Plant to the Surrounding Surface Soils and Coniferous Leaves. <i>Environmental Science & Technology</i> , 2016 , 50, 12759-12766	10.3	37
29	Occurrence and bioaccumulation of polybrominated diphenyl ethers in sediments and paddy ecosystems of Liaohe River Basin, northeast China. <i>Journal of Environmental Sciences</i> , 2016 , 43, 250-256	6.4	13
28	Occurrence, distribution and source apportionment of polychlorinated naphthalenes (PCNs) in sediments and soils from the Liaohe River Basin, China. <i>Environmental Pollution</i> , 2016 , 211, 226-32	9.3	14
27	New Insights into the Cytotoxic Mechanism of Hexabromocyclododecane from a Metabolomic Approach. <i>Environmental Science & Technology</i> , 2016 , 50, 3145-53	10.3	34
26	Toxicokinetics of short-chain chlorinated paraffins in Sprague-Dawley rats following single oral administration. <i>Chemosphere</i> , 2016 , 145, 106-11	8.4	30
25	Bioaccumulation of organochlorine pesticides and polychlorinated biphenyls by loaches living in rice paddy fields of Northeast China. <i>Environmental Pollution</i> , 2016 , 216, 893-901	9.3	24
24	Quantification of Short-Chain Chlorinated Paraffins by Deuterodechlorination Combined with Gas Chromatography-Mass Spectrometry. <i>Environmental Science & Technology</i> , 2016 , 50, 3746-53	10.3	27
23	High performance solid-phase extraction cleanup method coupled with gas chromatography-triple quadrupole mass spectrometry for analysis of polychlorinated naphthalenes and dioxin-like polychlorinated biphenyls in complex samples. <i>Journal of Chromatography A</i> , 2016 , 1448, 1-8	4.5	16
22	Influence of water on the homogeneous gas-phase formation mechanism of polyhalogenated dioxins/furans from chlorinated/brominated phenols as precursors. <i>Chemosphere</i> , 2015 , 137, 142-8	8.4	13
21	Effects of short-chain chlorinated paraffins exposure on the viability and metabolism of human hepatoma HepG2 cells. <i>Environmental Science & Technology</i> , 2015 , 49, 3076-83	10.3	68

20	Bioaccumulation and trophic transfer of short chain chlorinated paraffins in a marine food web from Liaodong Bay, North China. <i>Environmental Science & Technology</i> , 2014 , 48, 5964-71	10.3	126
19	Kinetics of PCDD/Fs formation from non-wood pulp bleaching with chlorine. <i>Environmental Science & Technology</i> , 2014 , 48, 4361-7	10.3	16
18	Occurrence and gas/particle partitioning of short- and medium-chain chlorinated paraffins in the atmosphere of Fildes Peninsula of Antarctica. <i>Atmospheric Environment</i> , 2014 , 90, 10-15	5.3	65
17	Salt-assisted dispersive liquid-liquid microextraction coupled with programmed temperature vaporization gas chromatography-mass spectrometry for the determination of haloacetonitriles in drinking water. <i>Journal of Chromatography A</i> , 2014 , 1358, 14-9	4.5	35
16	Chemical Composition of Nanoparticles Released from Thermal Cutting of Polystyrene Foams and the Associated Isomerization of Hexabromocyclododecane (HBCD) Diastereomers. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1114-1120	4.6	8
15	Congener-specific distribution and bioaccumulation of short-chain chlorinated paraffins in sediments and bivalves of the Bohai Sea, China. <i>Marine Pollution Bulletin</i> , 2014 , 79, 299-304	6.7	46
14	Irrigation-induced pollution of organochlorine pesticides and polychlorinated biphenyls in paddy field ecosystem of Liaohe River Plain, China. <i>Science Bulletin</i> , 2013 , 58, 1751-1759		14
13	Co-release of hexabromocyclododecane (HBCD) and Nano- and microparticles from thermal cutting of polystyrene foams. <i>Environmental Science & Technology</i> , 2012 , 46, 10990-6	10.3	74
12	Formation and emission of PCDD/Fs in Chinese non-wood pulp and paper mills. <i>Environmental Science & Technology</i> , 2012 , 46, 12234-40	10.3	27
11	Using Soil Available P and Activities of Soil Dehydrogenase and Phosphatase as Indicators for Biodegradation of Organophosphorus Pesticide Methamidophos and Glyphosate. <i>Soil and Sediment Contamination</i> , 2011 , 20, 688-701	3.2	8
10	Retention of nonionic organic compounds on thermally treated soils. <i>Environmental Science & Technology</i> , 2010 , 44, 3677-82	10.3	2
9	Model Hamiltonian for topological insulators. <i>Physical Review B</i> , 2010 , 82,	3.3	563
8	PCDD/Fs and PCBs in sediments of the Liaohe River, China: levels, distribution, and possible sources. <i>Chemosphere</i> , 2010 , 79, 754-62	8.4	69
7	Oscillatory crossover from two-dimensional to three-dimensional topological insulators. <i>Physical Review B</i> , 2010 , 81,	3.3	389
6	Glucosinolate Profiles of Arabidopsis thaliana in Response to Cadmium Exposure. <i>Water, Air, and Soil Pollution</i> , 2009 , 200, 109-117	2.6	14
5	Topological insulators in Bi ₂ Se ₃ , Bi ₂ Te ₃ and Sb ₂ Te ₃ with a single Dirac cone on the surface. <i>Nature Physics</i> , 2009 , 5, 438-442	16.2	4411
4	Emissions of PCDD/Fs from municipal solid waste incinerators in China. <i>Chemosphere</i> , 2009 , 75, 1153-8	8.4	126
3	Uptake by roots and translocation to shoots of polychlorinated dibenzo-p-dioxins and dibenzofurans in typical crop plants. <i>Chemosphere</i> , 2009 , 76, 740-6	8.4	51

- 2 A promising electrochemical biosensing platform based on graphitized ordered mesoporous carbon. *Journal of Materials Chemistry*, **2009**, 19, 4707 42
- 1 Polychlorinated dibenzo-p-dioxins and dibenzofurans in soils and sediments from Daliao River Basin, China. *Chemosphere*, **2008**, 73, 1640-8 8.4 27