Xianming Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4934052/publications.pdf

Version: 2024-02-01

52 papers	2,274 citations	201385 27 h-index	214527 47 g-index
52 all docs	52 docs citations	52 times ranked	2517 citing authors

#	Article	IF	Citations
1	Towards a better understanding of deep convolutional neural network processes for recognizing organic chemicals of environmental concern. Journal of Hazardous Materials, 2022, 421, 126746.	6.5	1
2	Response to Comment on â€œScreening New Persistent and Bioaccumulative Organics in Chinaâ€™s Inventory of Industrial Chemicalsâ€: A Call for Further Environmental Research on Organosilicons Produced in China. Environmental Science & Technology, 2022, 56, 693-696.	4.6	2
3	Pesticides in the atmosphere and seawater in a transect study from the Western Pacific to the Southern Ocean: The importance of continental discharges and air-seawater exchange. Water Research, 2022, 217, 118439.	5.3	28
4	Indoor exposure to selected flame retardants and quantifying importance of environmental, human behavioral and physiological parameters. Science of the Total Environment, 2022, 835, 155422.	3.9	2
5	Polycyclic Aromatic Hydrocarbons in the Marine Atmosphere from the Western Pacific to the Southern Ocean: Spatial Variability, Gas/Particle Partitioning, and Source Apportionment. Environmental Science & Technology, 2022, 56, 6253-6261.	4.6	16
6	Perfluoroalkyl and polyfluoroalkyl substances (PFASs) in groundwater: current understandings and challenges to overcome. Environmental Science and Pollution Research, 2022, 29, 49513-49533.	2.7	11
7	Diphenylamine Antioxidants in wastewater influent, effluent, biosolids and landfill leachate: Contribution to environmental releases. Water Research, 2021, 189, 116602.	5.3	22
8	Modeling of Flame Retardants in Typical Urban Indoor Environments in China during 2010â€“2030: Influence of Policy and Decoration and Implications for Human Exposure. Environmental Science & Technology, 2021, 55, 11745-11755.	4.6	18
9	Dissolved polycyclic aromatic hydrocarbons from the Northwestern Pacific to the Southern Ocean: Surface seawater distribution, source apportionment, and air-seawater exchange. Water Research, 2021, 207, 117780.	5.3	29
10	Uncovering global-scale risks from commercial chemicals in air. Nature, 2021, 600, 456-461.	13.7	83
11	Rapid fingerprinting of source and environmental microplastics using direct analysis in real time-high resolution mass spectrometry. Analytica Chimica Acta, 2020, 1100, 107-117.	2.6	27
12	Passive air sampling and nontargeted analysis for screening POP-like chemicals in the atmosphere: Opportunities and challenges. TrAC - Trends in Analytical Chemistry, 2020, 132, 116052.	5.8	19
13	Transient Multimedia Model for Investigating the Influence of Indoor Human Activities on Exposure to SVOCs. Environmental Science & Technology, 2020, 54, 10772-10782.	4.6	12
14	Screening New Persistent and Bioaccumulative Organics in Chinaâ€™s Inventory of Industrial Chemicals. Environmental Science & Technology, 2020, 54, 7398-7408.	4.6	42
15	Identification of Potential PBT/POP-Like Chemicals by a Deep Learning Approach Based on 2D Structural Features. Environmental Science & Technology, 2020, 54, 8221-8231.	4.6	26
16	Halogenated organic contaminants of concern in urban-influenced waters of Lake Ontario, Canada: Passive sampling with targeted and non-targeted screening. Environmental Pollution, 2020, 264, 114733.	3.7	22
17	Identifying further chemicals of emerging arctic concern based on â€˜in silicoâ€™ screening of chemical inventories. Emerging Contaminants, 2019, 5, 201-210.	2.2	35
18	Poly- and Perfluoroalkyl Substances in Seawater and Plankton from the Northwestern Atlantic Margin. Environmental Science & Technology, 2019, 53, 12348-12356.	4.6	85

#	Article	IF	Citations
19	Compositional space: A guide for environmental chemists on the identification of persistent and bioaccumulative organics using mass spectrometry. Environment International, 2019, 132, 104808.	4.8	23
20	Tap Water Contributions to Plasma Concentrations of Poly- and Perfluoroalkyl Substances (PFAS) in a Nationwide Prospective Cohort of U.S. Women. Environmental Health Perspectives, 2019, 127, 67006.	2.8	72
21	Novel Dechlorane Analogues and Possible Sources in Peregrine Falcon Eggs and Shark Livers from the Western North Atlantic Regions. Environmental Science & Technology, 2019, 53, 3419-3428.	4.6	9
22	Can profiles of poly- and Perfluoroalkyl substances (PFASs) in human serum provide information on major exposure sources?. Environmental Health, 2018, 17, 11.	1.7	58
23	A Model for Risk-Based Screening and Prioritization of Human Exposure to Chemicals from Near-Field Sources. Environmental Science & Technology, 2018, 52, 14235-14244.	4.6	38
24	Multigenerational Effects and Demographic Responses of Zebrafish (Danio rerio) Exposed to Organo-Bromine Compounds. Environmental Science & Technology, 2018, 52, 8764-8773.	4.6	14
25	Temporal Shifts in Poly- and Perfluoroalkyl Substances (PFASs) in North Atlantic Pilot Whales Indicate Large Contribution of Atmospheric Precursors. Environmental Science & Technology, 2017, 51, 4512-4521.	4.6	62
26	Vertical Profiles, Sources, and Transport of PFASs in the Arctic Ocean. Environmental Science & Technology, 2017, 51, 6735-6744.	4.6	107
27	Semivolatile Organic Contaminants in the Hawaiian Atmosphere. Environmental Science & Technology, 2017, 51, 11634-11642.	4.6	10
28	North Atlantic Deep Water formation inhibits high Arctic contamination by continental perfluorooctane sulfonate discharges. Global Biogeochemical Cycles, 2017, 31, 1332-1343.	1.9	42
29	Persistent Organohalogens in Paired Fish Fillet and Eggs: Implications for Fish Consumption Advisories. Journal of Agricultural and Food Chemistry, 2016, 64, 2832-2840.	2.4	13
30	Source Attribution of Poly- and Perfluoroalkyl Substances (PFASs) in Surface Waters from Rhode Island and the New York Metropolitan Area. Environmental Science and Technology Letters, 2016, 3, 316-321.	3.9	111
31	Modeling the fate of p,pâ€²-DDT in water and sediment of two typical estuarine bays in South China: Importance of fishing vessels' inputs. Environmental Pollution, 2016, 212, 598-604.	3.7	7
32	Novel flame retardants: Estimating the physicalâ€“chemical properties and environmental fate of 94 halogenated and organophosphate PBDE replacements. Chemosphere, 2016, 144, 2401-2407.	4.2	128
33	Risk-Based High-Throughput Chemical Screening and Prioritization using Exposure Models and in Vitro Bioactivity Assays. Environmental Science & Technology, 2015, 49, 6760-6771.	4.6	63
34	Exploring the role of the sampler housing in limiting uptake of semivolatile organic compounds in passive air samplers. Environmental Sciences: Processes and Impacts, 2015, 17, 2006-2012.	1.7	9
35	Model for Screening-Level Assessment of Near-Field Human Exposure to Neutral Organic Chemicals Released Indoors. Environmental Science & Technology, 2014, 48, 12312-12319.	4.6	60
36	Cooking fish is not effective in reducing exposure to perfluoroalkyl and polyfluoroalkyl substances. Environment International, 2014, 66, 107-114.	4.8	40

#	Article	IF	Citations
37	Mountain Cold-Trapping Increases Transfer of Persistent Organic Pollutants from Atmosphere to Cowsâ€™ Milk. Environmental Science & Technology, 2013, 47, 9175-9181.	4.6	16
38	Atmospheric deposition of current use pesticides in the Arctic: Snow core records from the Devon Island Ice Cap, Nunavut, Canada. Environmental Sciences: Processes and Impacts, 2013, 15, 2304.	1.7	29
39	Effects of skin removal on contaminant levels in salmon and trout filets. Science of the Total Environment, 2013, 443, 218-225.	3.9	14
40	Effect of Wind on the Chemical Uptake Kinetics of a Passive Air Sampler. Environmental Science & Technology, 2013, 47, 7868-7875.	4.6	37
41	Calibration and Application of a Passive Air Sampler (XAD-PAS) for Volatile Methyl Siloxanes. Environmental Science & Technology, 2013, 47, 4463-4470.	4.6	42
42	Modeling the Uptake of Semivolatile Organic Compounds by Passive Air Samplers: Importance of Mass Transfer Processes within the Porous Sampling Media. Environmental Science & Technology, 2012, 46, 9563-9570.	4.6	45
43	Influence of Sampler Configuration on the Uptake Kinetics of a Passive Air Sampler. Environmental Science & Technology, 2012, 46, 397-403.	4.6	22
44	Long-Term Environmental Fate of Perfluorinated Compounds after Accidental Release at Toronto Airport. Environmental Science & Technology, 2011, 45, 8081-8089.	4.6	122
45	Sources, Emissions, and Fate of Polybrominated Diphenyl Ethers and Polychlorinated Biphenyls Indoors in Toronto, Canada. Environmental Science & Technology, 2011, 45, 3268-3274.	4.6	129
46	Sampling Medium Side Resistance to Uptake of Semivolatile Organic Compounds in Passive Air Samplers. Environmental Science & Technology, 2011, 45, 10509-10515.	4.6	32
47	Historic Trends of Dechloranes 602, 603, 604, Dechlorane Plus and Other Norbornene Derivatives and Their Bioaccumulation Potential in Lake Ontario. Environmental Science & Technology, 2011, 45, 3333-3340.	4.6	92
48	Assessment of chemical screening outcomes based on different partitioning property estimation methods. Environment International, 2010, 36, 514-520.	4.8	39
49	Polychlorinated biphenyls in domestic dust from Canada, New Zealand, United Kingdom and United States: Implications for human exposure. Chemosphere, 2009, 76, 232-238.	4.2	102
50	Multimedia Modeling of Polybrominated Diphenyl Ether Emissions and Fate Indoors. Environmental Science & Technology, 2009, 43, 2845-2850.	4.6	109
51	Effect of physical forms of soil organic matter on phenanthrene sorption. Chemosphere, 2007, 68, 1262-1269.	4.2	70
52	Two-Compartment Sorption of Phenanthrene on Eight Soils with Various Organic Carbon Contents. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 1333-1347.	0.7	28