Eddy Y Zeng

List of Publications by Year
in descending order

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Version: 2024-02-01

253 papers	16,598 citations	16451 64 h-index	19190 118 g-index
256 all docs	256 docs citations	256 times ranked	14438 citing authors

#	Article	IF	Citations
1	Microplastics in sewage sludge from the wastewater treatment plants in China. Water Research, 2018, 142, 75-85.	11.3	675
2	Interaction of toxic chemicals with microplastics: A critical review. Water Research, 2018, 139, 208-219.	11.3	612
3	A Review of Microplastics in Table Salt, Drinking Water, and Air: Direct Human Exposure. Environmental Science & Technology, 2020, 54, 3740-3751.	10.0	559
4	Distribution of Polybrominated Diphenyl Ethers in Sediments of the Pearl River Delta and Adjacent South China Sea. Environmental Science & Technology, 2005, 39, 3521-3527.	10.0	507
5	A Global Perspective on Microplastics. Journal of Geophysical Research: Oceans, 2020, 125, e2018JC014719.	2.6	488
6	Removal of hexavalent chromium from aqueous solutions by a novel biochar supported nanoscale iron sulfide composite. Chemical Engineering Journal, 2017, 322, 516-524.	12.7	438
7	Assessing heavy metal pollution in the surface soils of a region that had undergone three decades of intense industrialization and urbanization. Environmental Science and Pollution Research, 2013, 20, 6150-6159.	5.3	427
8	Distribution of Polycyclic Aromatic Hydrocarbons in the Coastal Region off Macao, China:Â Assessment of Input Sources and Transport Pathways Using Compositional Analysis. Environmental Science & Technology, 2003, 37, 4855-4863.	10.0	368
9	E-Waste Recycling: Where Does It Go from Here?. Environmental Science & Technology, 2012, 46, 10861-10867.	10.0	313
10	Occurrence of bisphenol S in the environment and implications for human exposure: A short review. Science of the Total Environment, 2018, 615, 87-98.	8.0	290
11	Global Epidemiology of Dengue Outbreaks in 1990â€“2015: A Systematic Review and Meta-Analysis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 317.	3.9	242
12	Ultrathin metalâ€“organic framework membrane production by gelâ€“vapour deposition. Nature Communications, 2017, 8, 406.	12.8	233
13	A review of methods for measuring microplastics in aquatic environments. Environmental Science and Pollution Research, 2018, 25, 11319-11332.	5.3	231
14	Concentration Levels, Compositional Profiles, and Gas-Particle Partitioning of Polybrominated Diphenyl Ethers in the Atmosphere of an Urban City in South China. Environmental Science & Technology, 2006, 40, 1190-1196.	10.0	223
15	Reduction of Cr(VI) in simulated groundwater by FeS-coated iron magnetic nanoparticles. Science of the Total Environment, 2017, 595, 743-751.	8.0	220
16	Global distribution of perfluorochemicals (PFCs) in potential human exposure sourceâ€“A review. Environment International, 2017, 108, 51-62.	10.0	214
17	Microplastic Impacts on Microalgae Growth: Effects of Size and Humic Acid. Environmental Science & Technology, 2020, 54, 1782-1789.	10.0	207
18	Polybrominated Diphenyl Ethers in Watershed Soils of the Pearl River Delta, China: Occurrence, Inventory, and Fate. Environmental Science & Technology, 2007, 41, 8262-8267.	10.0	201

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19	Distribution and Mass Inventories of Polycyclic Aromatic Hydrocarbons and Organochlorine Pesticides in Sediments of the Pearl River Estuary and the Northern South China Sea. Environmental Science & Technology, 2006, 40, 709-714.	10.0	197
20	Response of rice (Oryza sativa L.) roots to nanoplastic treatment at seedling stage. Journal of Hazardous Materials, 2021, 401, 123412.	12.4	186
21	Global Riverine Plastic Outflows. Environmental Science & Technology, 2020, 54, 10049-10056.	10.0	174
22	Polycyclic Aromatic Hydrocarbons in Riverine Runoff of the Pearl River Delta (China):â€‰ Concentrations, Fluxes, and Fate. Environmental Science & Technology, 2007, 41, 5614-5619.	10.0	168
23	Riverine Inputs of Polybrominated Diphenyl Ethers from the Pearl River Delta (China) to the Coastal Ocean. Environmental Science & Technology, 2007, 41, 6007-6013.	10.0	153
24	Energy and air pollution benefits of household fuel policies in northern China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16773-16780.	7.1	152
25	Riverine Microplastic Pollution in the Pearl River Delta, China: Are Modeled Estimates Accurate?. Environmental Science & Technology, 2019, 53, 11810-11817.	10.0	151
26	Strong Sorption of Phenanthrene by Condensed Organic Matter in Soils and Sediments. Environmental Science & Technology, 2007, 41, 3952-3958.	10.0	144
27	Effects of in-channel sand excavation on the hydrology of the Pearl River Delta, China. Journal of Hydrology, 2007, 343, 230-239.	5.4	144
28	Potential health risk for residents around a typical e-waste recycling zone via inhalation of size-fractionated particle-bound heavy metals. Journal of Hazardous Materials, 2016, 317, 449-456.	12.4	144
29	Heavy metal pollution in sediments of a typical mariculture zone in South China. Marine Pollution Bulletin, 2012, 64, 712-720.	5.0	141
30	Organochlorine pesticides and polychlorinated biphenyls in riverine runoff of the Pearl River Delta, China: Assessment of mass loading, input source and environmental fate. Environmental Pollution, 2009, 157, 618-624.	7.5	139
31	Law Enforcement and Global Collaboration are the Keys to Containing E-Waste Tsunami in China. Environmental Science & Technology, 2009, 43, 3991-3994.	10.0	138
32	Polybrominated Diphenyl Ethers in Birds of Prey from Northern China. Environmental Science & Technology, 2007, 41, 1828-1833.	10.0	137
33	Sediment Records of Polycyclic Aromatic Hydrocarbons (PAHs) in the Continental Shelf of China: Implications for Evolving Anthropogenic Impacts. Environmental Science & Technology, 2012, 46, 6497-6504.	10.0	136
34	Persistent Halogenated Hydrocarbons in Consumer Fish of China: Regional and Global Implications for Human Exposure. Environmental Science & Technology, 2007, 41, 1821-1827.	10.0	134
35	Polycyclic aromatic hydrocarbons affiliated with microplastics in surface waters of Bohai and Huanghai Seas, China. Environmental Pollution, 2018, 241, 834-840.	7.5	129
36	Riverine inputs of total organic carbon and suspended particulate matter from the Pearl River Delta to the coastal ocean off South China. Marine Pollution Bulletin, 2008, 56, 1150-1157.	5.0	127

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37	Microbial biofilm formation and community structure on low-density polyethylene microparticles in lake water microcosms. Environmental Pollution, 2019, 252, 94-102.	7.5	126
38	Bioaccumulation of trace metals in farmed fish from South China and potential risk assessment. Ecotoxicology and Environmental Safety, 2011, 74, 284-293.	6.0	116
39	Improvement of a Global High-Resolution Ammonia Emission Inventory for Combustion and Industrial Sources with New Data from the Residential and Transportation Sectors. Environmental Science & Technology, 2017, 51, 2821-2829.	10.0	113
40	Organophosphate Triesters and Diester Degradation Products in Municipal Sludge from Wastewater Treatment Plants in China: Spatial Patterns and Ecological Implications. Environmental Science & Technology, 2017, 51, 13614-13623.	10.0	112
41	Polycyclic aromatic hydrocarbons in sediments and soils from oil exploration areas of the Niger Delta, Nigeria. Journal of Hazardous Materials, 2010, 174, 641-647.	12.4	111
42	Novel and Traditional Organophosphate Esters in House Dust from South China: Association with Hand Wipes and Exposure Estimation. Environmental Science & Technology, 2018, 52, 11017-11026.	10.0	108
43	Occurrence, Phase Distribution, and Mass Loadings of Benzothiazoles in Riverine Runoff of the Pearl River Delta, China. Environmental Science & Technology, 2008, 42, 1892-1897.	10.0	107
44	Estimating household air pollution exposures and health impacts from space heating in rural China. Environment International, 2018, 119, 117-124.	10.0	107
45	Environmental and human exposure to persistent halogenated compounds derived from eâ€waste in China. Environmental Toxicology and Chemistry, 2010, 29, 1237-1247.	4.3	105
46	Dietary intake and potential health risk of DDTs and PBDEs via seafood consumption in South China. Ecotoxicology and Environmental Safety, 2010, 73, 1812-1819.	6.0	104
47	Assessment of Human Exposure to Polybrominated Diphenyl Ethers in China via Fish Consumption and Inhalation. Environmental Science & Technology, 2007, 41, 4882-4887.	10.0	103
48	Polybrominated Diphenyl Ethers in Airborne Particulates Collected during a Research Expedition from the Bohai Sea to the Arctic. Environmental Science & Technology, 2005, 39, 7803-7809.	10.0	99
49	Field Validation of Anaerobic Degradation Pathways for Dichlorodiphenyltrichloroethane (DDT) and 13 Metabolites in Marine Sediment Cores from China. Environmental Science & Technology, 2011, 45, 5245-5252.	10.0	99
50	Time Trends of Polybrominated Diphenyl Ethers in Sediment Cores from the Pearl River Estuary, South China. Environmental Science & Technology, 2007, 41, 5595-5600.	10.0	94
51	Occurrence of nutrients in riverine runoff of the Pearl River Delta, South China. Journal of Hydrology, 2009, 376, 107-115.	5.4	93
52	Distribution, Source Apportionment, and Transport of PAHs in Sediments from the Pearl River Delta and the Northern South China Sea. Archives of Environmental Contamination and Toxicology, 2008, 55, 11-20.	4.1	92
53	Mitigating pesticide pollution in China requires law enforcement, farmer training, and technological innovation. Environmental Toxicology and Chemistry, 2014, 33, 963-971.	4.3	87
54	Assessing the genotoxicity of imidacloprid and RH-5849 in human peripheral blood lymphocytes in vitro with comet assay and cytogenetic tests. Ecotoxicology and Environmental Safety, 2005, 61, 239-246.	6.0	86

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55	Spatial and Temporal Trends in Global Emissions of Nitrogen Oxides from 1960 to 2014. Environmental Science & Technology, 2017, 51, 7992-8000.	10.0	83
56	Dispersion of sediment DDTs in the coastal ocean off southern California. Science of the Total Environment, 1999, 229, 195-208.	8.0	80
57	Size-dependent atmospheric deposition and inhalation exposure of particle-bound organophosphate flame retardants. Journal of Hazardous Materials, 2016, 301, 504-511.	12.4	80
58	Health Risk Characterization for Resident Inhalation Exposure to Particle-Bound Halogenated Flame Retardants in a Typical E-Waste Recycling Zone. Environmental Science & Technology, 2014, 48, 8815-8822.	10.0	78
59	Occurrence of Polybrominated Diphenyl Ethers in Air and Precipitation of the Pearl River Delta, South China: Annual Washout Ratios and Depositional Rates. Environmental Science & Technology, 2009, 43, 9142-9147.	10.0	77
60	Southern California. Marine Pollution Bulletin, 2000, 41, 76-93.	5.0	76
61	Bioconcentration of polybrominated diphenyl ethers and organochlorine pesticides in algae is an important contaminant route to higher trophic levels. Science of the Total Environment, 2017, 579, 1885-1893.	8.0	74
62	Importance of Dermal Absorption of Polycyclic Aromatic Hydrocarbons Derived from Barbecue Fumes. Environmental Science & Technology, 2018, 52, 8330-8338.	10.0	74
63	Development of a Solid-Phase Microextraction-Based Method for Sampling of Persistent Chlorinated Hydrocarbons in an Urbanized Coastal Environment. Environmental Science & Technology, 2004, 38, 5737-5743.	10.0	68
64	Occurrence of Halogenated Flame Retardants in Sediment off an Urbanized Coastal Zone: Association with Urbanization and Industrialization. Environmental Science & Technology, 2014, 48, 8465-8473.	10.0	67
65	In situ remediation of mercury-contaminated soil using thiol-functionalized graphene oxide/Fe-Mn composite. Journal of Hazardous Materials, 2019, 373, 783-790.	12.4	66
66	Dermal Uptake from Airborne Organics as an Important Route of Human Exposure to E-Waste Combustion Fumes. Environmental Science & Technology, 2016, 50, 6599-6605.	10.0	64
67	Occurrence of nitro- and oxy-PAHs in agricultural soils in eastern China and excess lifetime cancer risks from human exposure through soil ingestion. Environment International, 2017, 108, 261-270.	10.0	64
68	Characteristics of Polybrominated Diphenyl Ethers Released from Thermal Treatment and Open Burning of E-Waste. Environmental Science & Technology, 2018, 52, 4650-4657.	10.0	62
69	Distribution and partition of polycyclic aromatic hydrocarbon in surface water of the Pearl River Estuary, South China. Environmental Monitoring and Assessment, 2008, 145, 427-436.	2.7	61
70	Aquatic Global Passive Sampling (AQUA-GAPS) Revisited: First Steps toward a Network of Networks for Monitoring Organic Contaminants in the Aquatic Environment. Environmental Science & Technology, 2017, 51, 1060-1067.	10.0	61
71	Occurrence and human health risk of wastewaterâ€“derived pharmaceuticals in a drinking water source for Shanghai, East China. Science of the Total Environment, 2014, 490, 987-993.	8.0	60
72	Key mechanisms of micro- and nanoplastic (MNP) toxicity across taxonomic groups. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 247, 109056.	2.6	59

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73	Size-dependent distribution and inhalation cancer risk of particle-bound polycyclic aromatic hydrocarbons at a typical e-waste recycling and an urban site. Environmental Pollution, 2015, 200, 10-15.	7.5	58
74	Transition of household cookfuels in China from 2010 to 2012. Applied Energy, 2016, 184, 800-809.	10.1	57
75	Occurrence and phase distribution of polycyclic aromatic hydrocarbons in riverine runoff of the Pearl River Delta, China. Marine Pollution Bulletin, 2008, 57, 767-774.	5.0	56
76	Microplastics: A review of analytical methods, occurrence and characteristics in food, and potential toxicities to biota. Science of the Total Environment, 2022, 806, 150263.	8.0	56
77	Severe dioxin-like compound (DLC) contamination in e-waste recycling areas: An under-recognized threat to local health. Environment International, 2020, 139, 105731.	10.0	55
78	Size-Dependent Dry Deposition of Airborne Polybrominated Diphenyl Ethers in Urban Guangzhou, China. Environmental Science & Technology, 2012, 46, 7207-7214.	10.0	54
79	In Situ Measurements of Chlorinated Hydrocarbons in the Water Column off the Palos Verdes Peninsula, California. Environmental Science & Technology, 1999, 33, 392-398.	10.0	53
80	Association of endocrineâ€disrupting chemicals with total organic carbon in riverine water and suspended particulate matter from the Pearl River, China. Environmental Toxicology and Chemistry, 2012, 31, 2456-2464.	4.3	53
81	Diurnal and seasonal variability in size-dependent atmospheric deposition fluxes of polycyclic aromatic hydrocarbons in an urban center. Atmospheric Environment, 2012, 57, 41-48.	4.1	53
82	Barbecue Fumes: An Overlooked Source of Health Hazards in Outdoor Settings?. Environmental Science & Technology, 2015, 49, 10607-10615.	10.0	53
83	Early-life Exposure to Widespread Environmental Toxicants and Health Risk: A Focus on the Immune and Respiratory Systems. Annals of Global Health, 2018, 82, 119.	2.0	53
84	Size Distribution of Airborne Particle-Bound Polybrominated Diphenyl Ethers and Its Implications for Dry and Wet Deposition. Environmental Science & Technology, 2014, 48, 13793-13799.	10.0	52
85	Polybrominated Diphenyl Ethers in Seafood Products of South China. Journal of Agricultural and Food Chemistry, 2007, 55, 9152-9158.	5.2	51
86	Adsorption and Thermal Stabilization of Pb²⁺ and Cu²⁺ by Zeolite. Industrial & Engineering Chemistry Research, 2016, 55, 8767-8773.	3.7	51
87	Sorption of PBDE in lowâ€density polyethylene film: Implications for bioavailability of BDEâ€209. Environmental Toxicology and Chemistry, 2011, 30, 1731-1738.	4.3	50
88	Calculated respiratory exposure to indoor size-fractioned polycyclic aromatic hydrocarbons in an urban environment. Science of the Total Environment, 2012, 431, 245-251.	8.0	50
89	Global estimates of carbon monoxide emissions from 1960 to 2013. Environmental Science and Pollution Research, 2017, 24, 864-873.	5.3	50
90	Cultivation of oleaginous microalgae for removal of nutrients and heavy metals from biogas digestates. Journal of Cleaner Production, 2017, 164, 793-803.	9.3	50

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91	Assessing the effects of urbanization on the environment with soil legacy and current-use insecticides: A case study in the Pearl River Delta, China. Science of the Total Environment, 2015, 514, 409-417.	8.0	49
92	Global trends of research on emerging contaminants in the environment and humans: a literature assimilation. Environmental Science and Pollution Research, 2015, 22, 1635-1643.	5.3	48
93	Application of Boxâ€“Behnken design to optimize multi-sorbent solid phase extraction for trace neonicotinoids in water containing high level of matrix substances. Talanta, 2017, 170, 392-398.	5.5	48
94	Distinguishing Emission-Associated Ambient Air PM_{2.5} Concentrations and Meteorological Factor-Induced Fluctuations. Environmental Science & Technology, 2018, 52, 10416-10425.	10.0	48
95	Plastics Are an Insignificant Carrier of Riverine Organic Pollutants to the Coastal Oceans. Environmental Science & Technology, 2020, 54, 15852-15860.	10.0	47
96	Association of soil polycyclic aromatic hydrocarbon levels and anthropogenic impacts in a rapidly urbanizing region: Spatial distribution, soilâ€“air exchange and ecological risk. Science of the Total Environment, 2014, 473-474, 676-684.	8.0	46
97	Accuracy and application of quantitative X-ray diffraction on the precipitation of struvite product. Water Research, 2016, 90, 9-14.	11.3	46
98	Assessing anthropogenic contamination in surface sediments of Niger Delta, Nigeria with fecal sterols and n-alkanes as indicators. Science of the Total Environment, 2012, 441, 89-96.	8.0	45
99	Use of Fecal Steroids To Infer the Sources of Fecal Indicator Bacteria in the Lower Santa Ana River Watershed, California:Â Sewage Is Unlikely a Significant Source. Environmental Science & Technology, 2004, 38, 6002-6008.	10.0	44
100	Inputs of antifouling paint-derived dichlorodiphenyltrichloroethanes (DDTs) to a typical mariculture zone (South China): Potential impact on aquafarming environment. Environmental Pollution, 2011, 159, 3700-3705.	7.5	43
101	Evaluation of Potential Molecular Markers for Urban Stormwater Runoff. Environmental Monitoring and Assessment, 2004, 90, 23-43.	2.7	42
102	Screening New Persistent and Bioaccumulative Organics in Chinaâ€™s Inventory of Industrial Chemicals. Environmental Science & Technology, 2020, 54, 7398-7408.	10.0	42
103	The human and ecological risks of neonicotinoid insecticides in soils of an agricultural zone within the Pearl River Delta, South China. Environmental Pollution, 2021, 284, 117358.	7.5	42
104	Theoretical Considerations on the Use of Solid-Phase Microextraction with Complex Environmental Samples. Environmental Science & Technology, 2002, 36, 3385-3392.	10.0	41
105	Temporal and spatial distributions of contaminants in sediments of Santa Monica Bay, California. Marine Environmental Research, 2003, 56, 255-276.	2.5	41
106	Impact of Polymer Colonization on the Fate of Organic Contaminants in Sediment. Environmental Science & Technology, 2017, 51, 10555-10561.	10.0	41
107	Comparative mammalian hazards of neonicotinoid insecticides among exposure durations. Environment International, 2019, 125, 9-24.	10.0	41
108	Organochlorine pesticides in the surface water and sediments of the Pearl River Estuary, South China. Environmental Toxicology and Chemistry, 2008, 27, 10-17.	4.3	40

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109	Persistent Halogenated Hydrocarbons in Fish Feeds Manufactured in South China. Journal of Agricultural and Food Chemistry, 2009, 57, 3674-3680.	5.2	40
110	Determination of polydimethylsiloxaneâ€“seawater distribution coefficients for polychlorinated biphenyls and chlorinated pesticides by solid-phase microextraction and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2005, 1066, 165-175.	3.7	39
111	Organophosphate flame retardants emitted from thermal treatment and open burning of e-waste. Journal of Hazardous Materials, 2019, 367, 390-396.	12.4	38
112	Dietary intake of persistent organic pollutants and potential health risks via consumption of global aquatic products. Environmental Toxicology and Chemistry, 2010, 29, 2135-2142.	4.3	37
113	Persistent halogenated compounds in two typical marine aquaculture zones of South China. Marine Pollution Bulletin, 2011, 63, 572-577.	5.0	37
114	Leaching of polybrominated diphenyl ethers from microplastics in fish oil: Kinetics and bioaccumulation. Journal of Hazardous Materials, 2021, 406, 124726.	12.4	37
115	Diversity and structure of microbial biofilms on microplastics in riverine waters of the Pearl River Delta, China. Chemosphere, 2021, 272, 129870.	8.2	36
116	Quantifying nanoplastic-bound chemicals accumulated in Daphnia magna with a passive dosing method. Environmental Science: Nano, 2018, 5, 776-781.	4.3	35
117	In vitro inhalation bioaccessibility for particle-bound hydrophobic organic chemicals: Method development, effects of particle size and hydrophobicity, and risk assessment. Environment International, 2018, 120, 295-303.	10.0	35
118	Stepwise Reduction Approach Reveals Mercury Competitive Binding and Exchange Reactions within Natural Organic Matter and Mixed Organic Ligands. Environmental Science & Technology, 2019, 53, 10685-10694.	10.0	35
119	Development and Validation of an Efficient Method for Processing Microplastics in Biota Samples. Environmental Toxicology and Chemistry, 2019, 38, 1400-1408.	4.3	35
120	Development of a lowâ€density polyethyleneâ€containing passive sampler for measuring dissolved hydrophobic organic compounds in open waters. Environmental Toxicology and Chemistry, 2012, 31, 1012-1018.	4.3	34
121	Significance of Anthropogenic Factors to Freely Dissolved Polycyclic Aromatic Hydrocarbons in Freshwater of China. Environmental Science & Technology, 2017, 51, 8304-8312.	10.0	34
122	Occurrence, source apportionment and toxicity assessment of polycyclic aromatic hydrocarbons in surface sediments of Chaohu, one of the most polluted lakes in China. Journal of Environmental Monitoring, 2011, 13, 3336.	2.1	33
123	Hexabromocyclododecane in consumer fish from South China: Implications for human exposure via dietary intake. Environmental Toxicology and Chemistry, 2012, 31, 1424-1430.	4.3	33
124	Occurrence and geographic distribution of polycyclic aromatic hydrocarbons in agricultural soils in eastern China. Environmental Science and Pollution Research, 2017, 24, 12168-12175.	5.3	33
125	Generation of hydroxyl radicals by metal-free bifunctional electrocatalysts for enhanced organics removal. Science of the Total Environment, 2021, 791, 148107.	8.0	33
126	Assessment of aquatic wastewater pollution in a highly industrialized zone with sediment linear alkylbenzenes. Environmental Toxicology and Chemistry, 2012, 31, 724-730.	4.3	32

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127	Assessing bioavailability of DDT and metabolites in marine sediments using solidâ€phase microextraction with performance reference compounds. Environmental Toxicology and Chemistry, 2013, 32, 1946-1953.	4.3	32
128	Application of a static solid-phase microextraction procedure combined with liquidâ€“liquid extraction to determine poly(dimethyl)siloxaneâ€“water partition coefficients for selected polychlorinated biphenyls. Journal of Chromatography A, 2006, 1116, 240-247.	3.7	31
129	Gas chromatography-mass spectrometry and high-performance liquid chromatography-tandem mass spectrometry in quantifying fatty acids. TrAC - Trends in Analytical Chemistry, 2011, 30, 1429-1436.	11.4	31
130	Emissions and Occupational Exposure Risk of Halogenated Flame Retardants from Primitive Recycling of E-Waste. Environmental Science & Technology, 2019, 53, 12495-12505.	10.0	31
131	Size-dependent distribution and inhalation exposure characteristics of particle-bound chlorinated paraffins in indoor air in Guangzhou, China. Environment International, 2018, 121, 675-682.	10.0	30
132	Polybrominated diphenyl ethers and organophosphate esters flame retardants in play mats from China and the exposure risks for children. Environment International, 2020, 135, 105348.	10.0	30
133	Efficient removal of mercury from simulated groundwater using thiol-modified graphene oxide/Feâ€“Mn composite in fixed-bed columns: Experimental performance and mathematical modeling. Science of the Total Environment, 2020, 714, 136636.	8.0	30
134	Assessment of sampling designs to measure riverine fluxes from the Pearl River Delta, China to the South China Sea. Environmental Monitoring and Assessment, 2008, 143, 291-301.	2.7	29
135	A Multisection Passive Sampler for Measuring Sediment Porewater Profile of Dichlorodiphenyltrichloroethane and Its Metabolites. Analytical Chemistry, 2013, 85, 7117-7124.	6.5	29
136	Effect-Directed Analysis of Toxicants in Sediment with Combined Passive Dosing and in Vivo Toxicity Testing. Environmental Science & Technology, 2017, 51, 6414-6421.	10.0	29
137	Persistent halogenated compounds in aquaculture environments of South China: Implications for global consumersâ€™ health risk via fish consumption. Environment International, 2011, 37, 1190-1195.	10.0	28
138	Novel Passive Sampling Device for Measuring Sedimentâ€“Water Diffusion Fluxes of Hydrophobic Organic Chemicals. Environmental Science & Technology, 2013, 47, 9866-9873.	10.0	28
139	Impact of anthropogenic activities on urban stream water quality: a case study in Guangzhou, China. Environmental Science and Pollution Research, 2014, 21, 13412-13419.	5.3	28
140	Seasonal and spatial variations in the chemical components and the cellular effects of particulate matter collected in Northern China. Science of the Total Environment, 2018, 627, 1627-1637.	8.0	28
141	Occurrence of phthalate esters in over-the-counter medicines from China and its implications for human exposure. Environment International, 2017, 98, 137-142.	10.0	27
142	Polycyclic aromatic hydrocarbon exposure, oxidative potential in dust, and their relationships to oxidative stress in human body: A case study in the indoor environment of Guangzhou, South China. Environment International, 2021, 149, 106405.	10.0	27
143	Concentrations of polycyclic aromatic hydrocarbons in soils of a mangrove forest affected by forest fire. Toxicological and Environmental Chemistry, 2011, 93, 450-461.	1.2	26
144	Tracking human footprints in Antarctica through passive sampling of polycyclic aromatic hydrocarbons in inland lakes. Environmental Pollution, 2016, 213, 412-419.	7.5	26

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145	Absorption, tissue distribution, metabolism, and elimination of decabrominated diphenyl ether (BDE-209) in rats after multi-dose oral exposure. Chemosphere, 2017, 186, 749-756.	8.2	26
146	Characteristics and potential health risk of rural Tibetans' exposure to polycyclic aromatic hydrocarbons during summer period. Environment International, 2018, 118, 70-77.	10.0	26
147	Identification of Potential PBT/POP-Like Chemicals by a Deep Learning Approach Based on 2D Structural Features. Environmental Science & Technology, 2020, 54, 8221-8231.	10.0	26
148	Short-range transport of contaminants released from e-waste recycling site in South China. Journal of Environmental Monitoring, 2011, 13, 836.	2.1	25
149	Environmental and human exposure to soil chlorinated and brominated polycyclic aromatic hydrocarbons in an urbanized region. Environmental Toxicology and Chemistry, 2012, 31, 1494-1500.	4.3	25
150	Assessment of airborne polycyclic aromatic hydrocarbons in a megacity of South China: Spatiotemporal variability, indoor-outdoor interplay and potential human health risk. Environmental Pollution, 2018, 238, 431-439.	7.5	25
151	Combined Effects of Dust and Dietary Exposure of Occupational Workers and Local Residents to Short- and Medium-Chain Chlorinated Paraffins in a Mega E-Waste Recycling Industrial Park in South China. Environmental Science & Technology, 2018, 52, 11510-11519.	10.0	25
152	Organophosphate Diesters in Urban River Sediment from South China: Call for More Research on Their Occurrence and Fate in Field Environment. ACS ES&T Water, 2021, 1, 871-880.	4.6	25
153	Passive sampling techniques for sensing freely dissolved hydrophobic organic chemicals in sediment porewater. TrAC - Trends in Analytical Chemistry, 2011, 30, 1422-1428.	11.4	24
154	Significance of antifouling paint flakes to the distribution of dichlorodiphenyltrichloroethanes (DDTs) in estuarine sediment. Environmental Pollution, 2016, 210, 253-260.	7.5	24
155	Occurrence of multiple classes of emerging photoinitiators in indoor dust from E-waste recycling facilities and adjacent communities in South China and implications for human exposure. Environment International, 2020, 136, 105462.	10.0	24
156	Transplacental Transfer of Environmental Chemicals: Roles of Molecular Descriptors and Placental Transporters. Environmental Science & Technology, 2021, 55, 519-528.	10.0	24
157	Microplastics on beaches and mangrove sediments along the coast of South China. Marine Pollution Bulletin, 2021, 172, 112806.	5.0	24
158	Recent advances in the field measurement of the diffusion flux of hydrophobic organic chemicals at the sediment-water interface. TrAC - Trends in Analytical Chemistry, 2014, 54, 56-64.	11.4	23
159	Lipid accumulation and eicosapentaenoic acid distribution in response to nitrogen limitation in microalga Eustigmatos vischeri JHsu-01 (Eustigmatophyceae). Algal Research, 2020, 48, 101910.	4.6	23
160	Distribution and Mass Inventory of Total Dichlorodiphenyldichloroethylene in the Water Column of the Southern California Bight. Environmental Science & Technology, 2005, 39, 8170-8176.	10.0	22
161	Use of aliphatic hydrocarbons to infer terrestrial organic matter in coastal marine sediments off China. Marine Pollution Bulletin, 2012, 64, 1940-1946.	5.0	22
162	Determination of poly(dimethyl)siloxaneâ€“water partition coefficients for selected hydrophobic organic chemicals using 14C-labeled analogs. Journal of Chromatography A, 2007, 1148, 23-30.	3.7	21

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