

Kilian Smith

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,876
citations

293460

24
h-index

286692

43
g-index

49
all docs

49
docs citations

49
times ranked

2090
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of sites with elevated PM levels along an urban cycle path using a mobile platform and the analysis of 48 particle bound PAH. <i>Atmospheric Environment</i> , 2022, 271, 118912.	1.9	6
2	A look down the drain: Identification of dissolved and particle bound organic pollutants in urban runoff waters and sediments. <i>Environmental Pollution</i> , 2022, 302, 119047.	3.7	13
3	Comparing straw, compost, and biochar regarding their suitability as agricultural soil amendments to affect soil structure, nutrient leaching, microbial communities, and the fate of pesticides. <i>Science of the Total Environment</i> , 2021, 751, 141607.	3.9	221
4	Passive Sampling and Dosing of Aquatic Organic Contaminant Mixtures for Ecotoxicological Analyses. <i>Environmental Science & Technology</i> , 2021, 55, 9538-9547.	4.6	11
5	Do you smell the danger? Effects of three commonly used pesticides on the olfactory-mediated antipredator response of zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2020, 241, 124963.	4.2	7
6	Why Biodegradable Chemicals Persist in the Environment? A Look at Bioavailability. <i>Handbook of Environmental Chemistry</i> , 2020, , 243-265.	0.2	7
7	Kinetic Passive Sampling: In Situ Calibration Using the Contaminant Mass Measured in Parallel Samplers with Different Thicknesses. <i>Environmental Science & Technology</i> , 2020, 54, 15759-15767.	4.6	5
8	Quantitative evaluation of polyethersulfone and polytetrafluoroethylene membrane sorption in a polar organic chemical integrative sampler (POCIS). <i>Environmental Pollution</i> , 2020, 266, 115224.	3.7	7
9	Passive Sampling for Determination of the Dissolved Concentrations and Chemical Activities of Organic Contaminants in Soil and Sediment Pore Waters. <i>Handbook of Environmental Chemistry</i> , 2020, , 351-368.	0.2	2
10	Bioavailability of estrogenic compounds from sediment in the context of flood events evaluated by passive sampling. <i>Water Research</i> , 2019, 161, 540-548.	5.3	29
11	Bioactivation of Quinolines in a Recombinant Estrogen Receptor Transactivation Assay Is Catalyzed by <i>N</i> -Methyltransferases. <i>Chemical Research in Toxicology</i> , 2019, 32, 698-707.	1.7	2
12	Comparison of the sampling rates and partitioning behaviour of polar and non-polar contaminants in the polar organic chemical integrative sampler and a monophasic mixed polymer sampler for application as an equilibrium passive sampler. <i>Science of the Total Environment</i> , 2018, 627, 905-915.	3.9	25
13	Matrix - Hydrophobic Compound Interactions. , 2018, , 33-45.		1
14	Microorganism-Hydrophobic Compound Interactions. , 2018, , 17-31.		0
15	Directed OmniChange Evolution Converts P450 BM3 into an Alkyltrimethylammonium Hydroxylase. <i>Chemistry - A European Journal</i> , 2018, 24, 16865-16872.	1.7	15
16	A comparison of equilibrium and kinetic passive sampling for the monitoring of aquatic organic contaminants in German rivers. <i>Water Research</i> , 2018, 145, 248-258.	5.3	24
17	Equilibrium partitioning of organic compounds to OASIS HLB Å® as a function of compound concentration, pH, temperature and salinity. <i>Chemosphere</i> , 2017, 174, 297-305.	4.2	48
18	Microorganism-Hydrophobic Compound Interactions. , 2017, , 1-15.		1

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19	Matrix:Hydrophobic Compound Interactions. , 2017, , 1-13.		0
20	Defining and Controlling Exposure During In Vitro Toxicity Testing and the Potential of Passive Dosing. Advances in Biochemical Engineering/Biotechnology, 2016, 157, 263-292.	0.6	1
21	Differential immunomodulatory responses to nine polycyclic aromatic hydrocarbons applied by passive dosing. Toxicology in Vitro, 2015, 29, 345-351.	1.1	14
22	Transfer and effects of 1,2,3,5,7-pentachloronaphthalene in an experimental food chain. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 169, 46-54.	1.3	1
23	Passive dosing versus solvent spiking for controlling and maintaining hydrophobic organic compound exposure in the Microtox [®] assay. Chemosphere, 2015, 139, 174-180.	4.2	18
24	The Control of Hydrophobic Compound Exposure in In Vitro Tests for Genotoxicity. Methods in Pharmacology and Toxicology, 2014, , 59-72.	0.1	2
25	Impact of soil amendments and the plant rhizosphere on PAH behaviour in soil. Environmental Pollution, 2014, 188, 124-131.	3.7	34
26	PAH toxicity at aqueous solubility in the fish embryo test with Danio rerio using passive dosing. Chemosphere, 2014, 112, 77-84.	4.2	42
27	Baseline Toxic Mixtures of Non-Toxic Chemicals: "Solubility Addition" Increases Exposure for Solid Hydrophobic Chemicals. Environmental Science & Technology, 2013, 47, 2026-2033.	4.6	68
28	Comparing the desorption and biodegradation of low concentrations of phenanthrene sorbed to activated carbon, biochar and compost. Chemosphere, 2013, 90, 1767-1778.	4.2	71
29	Uptake and toxicity of polycyclic aromatic hydrocarbons in terrestrial springtails "studying bioconcentration kinetics and linking toxicity to chemical activity. Environmental Toxicology and Chemistry, 2013, 32, 361-369.	2.2	23
30	Impact of activated carbon, biochar and compost on the desorption and mineralization of phenanthrene in soil. Environmental Pollution, 2013, 181, 200-210.	3.7	63
31	The dosing determines mutagenicity of hydrophobic compounds in the Ames II assay with metabolic transformation: Passive dosing versus solvent spiking. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 750, 12-18.	0.9	29
32	Passive Dosing of Polycyclic Aromatic Hydrocarbon (PAH) Mixtures to Terrestrial Springtails: Linking Mixture Toxicity to Chemical Activities, Equilibrium Lipid Concentrations, and Toxic Units. Environmental Science & Technology, 2013, 47, 7020-7027.	4.6	34
33	Dynamic Passive Dosing for Studying the Biotransformation of Hydrophobic Organic Chemicals: Microbial Degradation as an Example. Environmental Science & Technology, 2012, 46, 4852-4860.	4.6	50
34	Measuring Binding and Speciation of Hydrophobic Organic Chemicals at Controlled Freely Dissolved Concentrations and without Phase Separation. Analytical Chemistry, 2012, 84, 1601-1608.	3.2	61
35	Recreating the seawater mixture composition of HOCs in toxicity tests with Artemia franciscana by passive dosing. Aquatic Toxicology, 2012, 120-121, 27-34.	1.9	34
36	Dissolved Organic Carbon Enhances the Mass Transfer of Hydrophobic Organic Compounds from Nonaqueous Phase Liquids (NAPLs) into the Aqueous Phase. Environmental Science & Technology, 2011, 45, 8741-8747.	4.6	44

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37	Aquatic toxicity of PAHs and PAH mixtures at saturation to benthic amphipods: Linking toxic effects to chemical activity. <i>Aquatic Toxicology</i> , 2011, 102, 142-149.	1.9	93
38	Passive Dosing for Producing Defined and Constant Exposure of Hydrophobic Organic Compounds during in Vitro Toxicity Tests. <i>Chemical Research in Toxicology</i> , 2010, 23, 55-65.	1.7	117
39	Controlling and maintaining exposure of hydrophobic organic compounds in aquatic toxicity tests by passive dosing. <i>Aquatic Toxicology</i> , 2010, 98, 15-24.	1.9	143
40	Sorption to Humic Acids Enhances Polycyclic Aromatic Hydrocarbon Biodegradation. <i>Environmental Science & Technology</i> , 2009, 43, 7205-7211.	4.6	107
41	Novel Chamber to Measure Equilibrium Soil-Air Partitioning Coefficients of Low-Volatility Organic Chemicals under Conditions of Varying Temperature and Soil Moisture. <i>Environmental Science & Technology</i> , 2008, 42, 4870-4876.	4.6	8
42	Influence of the extraction methodology on the analysis of polycyclic aromatic hydrocarbons in pasture vegetation. <i>Journal of Chromatography A</i> , 2006, 1116, 20-30.	1.8	18
43	CONCENTRATIONS AND PARTITIONING OF POLYCHLORINATED BIPHENYLS IN THE SURFACE WATERS OF THE SOUTHERN BALTIC SEA—SEASONAL EFFECTS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2569.	2.2	21
44	Atmospheric Emissions of Polybrominated Diphenyl Ethers and Other Persistent Organic Pollutants during a Major Anthropogenic Combustion Event. <i>Environmental Science & Technology</i> , 2004, 38, 1681-1685.	4.6	54
45	Behavior of Sewage Sludge-Derived PAHs on Pasture. <i>Environmental Science & Technology</i> , 2001, 35, 2141-2150.	4.6	52
46	Seasonal and Species Differences in the Air-Pasture Transfer of PAHs. <i>Environmental Science & Technology</i> , 2001, 35, 2156-2165.	4.6	71
47	Particles and vegetation: implications for the transfer of particle-bound organic contaminants to vegetation. <i>Science of the Total Environment</i> , 2000, 246, 207-236.	3.9	122
48	Further studies of the air-pasture transfer of polychlorinated biphenyls. <i>Environmental Pollution</i> , 1998, 102, 119-128.	3.7	55