

# Philipp Mayer

## List of Publications by Year in descending order

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167  
papers

8,310  
citations

38742

50  
h-index

54911

84  
g-index

171  
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171  
docs citations

171  
times ranked

5806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics as vectors for environmental contaminants: Exploring sorption, desorption, and transfer to biota. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 488-493.	2.9	443
2	TWO COMPLEMENTARY SIDES OF BIOAVAILABILITY: ACCESSIBILITY AND CHEMICAL ACTIVITY OF ORGANIC CONTAMINANTS IN SEDIMENTS AND SOILS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 1239.	4.3	420
3	Peer Reviewed: Equilibrium Sampling Devices. <i>Environmental Science &amp; Technology</i> , 2003, 37, 184A-191A.	10.0	286
4	Sensing Dissolved Sediment Porewater Concentrations of Persistent and Bioaccumulative Pollutants Using Disposable Solid-Phase Microextraction Fibers. <i>Environmental Science &amp; Technology</i> , 2000, 34, 5177-5183.	10.0	285
5	Measured Pore-Water Concentrations Make Equilibrium Partitioning Work A Data Analysis. <i>Environmental Science &amp; Technology</i> , 2003, 37, 268-274.	10.0	213
6	Methods to assess bioavailability of hydrophobic organic contaminants: Principles, operations, and limitations. <i>Environmental Pollution</i> , 2013, 172, 223-234.	7.5	188
7	Absorption of Hydrophobic Compounds into the Poly(dimethylsiloxane) Coating of Solid-Phase Microextraction Fibers: High Partition Coefficients and Fluorescence Microscopy Images. <i>Analytical Chemistry</i> , 2000, 72, 459-464.	6.5	172
8	Field testing of equilibrium passive samplers to determine freely dissolved native polycyclic aromatic hydrocarbon concentrations. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 499-508.	4.3	155
9	Passive sampling methods for contaminated sediments: Scientific rationale supporting use of freely dissolved concentrations. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 197-209.	2.9	153
10	Controlling and maintaining exposure of hydrophobic organic compounds in aquatic toxicity tests by passive dosing. <i>Aquatic Toxicology</i> , 2010, 98, 15-24.	4.0	143
11	Passive Sampling in Regulatory Chemical Monitoring of Nonpolar Organic Compounds in the Aquatic Environment. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3-17.	10.0	131
12	Enhanced Diffusion of Polycyclic Aromatic Hydrocarbons in Artificial and Natural Aqueous Solutions. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6148-6155.	10.0	130
13	CAN HIGHLY HYDROPHOBIC ORGANIC SUBSTANCES CAUSE AQUATIC BASELINE TOXICITY AND CAN THEY CONTRIBUTE TO MIXTURE TOXICITY?. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2639.	4.3	127
14	When Fluorescence Is not a Particle: The Tissue Translocation of Microplastics in <i>Daphnia magna</i> Seems an Artifact. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1495-1503.	4.3	126
15	A simple in vitro fluorescence method for biomass measurements in algal growth inhibition tests. <i>Water Research</i> , 1997, 31, 2525-2531.	11.3	121
16	Crucial role of mechanisms and modes of toxic action for understanding tissue residue toxicity and internal effect concentrations of organic chemicals. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 28-49.	2.9	121
17	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.	3.3	117
18	Nonequilibrium Solid-Phase Microextraction for Determination of the Freely Dissolved Concentration of Hydrophobic Organic Compounds: Matrix Effects and Limitations. <i>Analytical Chemistry</i> , 2000, 72, 2802-2808.	6.5	115

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19	Passive Dosing of Soil Invertebrates with Polycyclic Aromatic Hydrocarbons: Limited Chemical Activity Explains Toxicity Cutoff. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7516-7521.	10.0	102
20	Establishing and Controlling Dissolved Concentrations of Hydrophobic Organics by Partitioning from a Solid Phase. <i>Environmental Science &amp; Technology</i> , 1999, 33, 2284-2290.	10.0	99
21	Surface-Related Toxicity of Polystyrene Beads to Nematodes and the Role of Food Availability. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1790-1798.	10.0	94
22	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.	4.0	93
23	Quantifying the Effect of Medium Composition on the Diffusive Mass Transfer of Hydrophobic Organic Chemicals through Unstirred Boundary Layers. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6123-6129.	10.0	87
24	The effect of humic acids on biodegradation of polycyclic aromatic hydrocarbons depends on the exposure regime. <i>Environmental Pollution</i> , 2014, 184, 435-442.	7.5	85
25	Equilibrium Sampling through Membranes of Freely Dissolved Chlorophenols in Water Samples with Hollow Fiber Supported Liquid Membrane. <i>Analytical Chemistry</i> , 2005, 77, 4800-4809.	6.5	82
26	Diffusion of PAH in Potato and Carrot Slices and Application for a Potato Model. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3103-3108.	10.0	82
27	Determining the chemical activity of hydrophobic organic compounds in soil using polymer coated vials. <i>Chemistry Central Journal</i> , 2008, 2, 8.	2.6	82
28	Equilibrium sampling: Partitioning of organochlorine compounds from lipids into polydimethylsiloxane. <i>Chemosphere</i> , 2008, 73, 1575-1581.	8.2	82
29	Assessing the aquatic toxicity and environmental safety of tracer compounds Rhodamine B and Rhodamine WT. <i>Water Research</i> , 2021, 197, 117109.	11.3	82
30	Impacts of some environmentally relevant parameters on the sorption of polycyclic aromatic hydrocarbons to aqueous suspensions of fullerene. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1868-1874.	4.3	80
31	Dynamic Permeation Method To Determine Partition Coefficients of Highly Hydrophobic Chemicals between Poly(dimethylsiloxane) and Water. <i>Analytical Chemistry</i> , 2007, 79, 6816-6822.	6.5	79
32	Towards a renewed research agenda in ecotoxicology. <i>Environmental Pollution</i> , 2012, 160, 201-206.	7.5	78
33	Sensitive Equilibrium Sampling To Study Polychlorinated Biphenyl Disposition in Baltic Sea Sediment. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10114-10122.	10.0	68
34	Baseline Toxic Mixtures of Non-Toxic Chemicals: "Solubility Addition" Increases Exposure for Solid Hydrophobic Chemicals. <i>Environmental Science &amp; Technology</i> , 2013, 47, 2026-2033.	10.0	68
35	Do complex matrices modify the sorptive properties of polydimethylsiloxane (PDMS) for non-polar organic chemicals?. <i>Journal of Chromatography A</i> , 2010, 1217, 4765-4770.	3.7	66
36	Equilibrium Sampling of Persistent and Bioaccumulative Compounds in Soil and Sediment: Comparison of Two Approaches To Determine Equilibrium Partitioning Concentrations in Lipids. <i>Environmental Science &amp; Technology</i> , 2011, 45, 1041-1047.	10.0	64

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37	Possibilities and limitations of equilibrium sampling using polydimethylsiloxane in fish tissue. <i>Chemosphere</i> , 2009, 77, 764-770.	8.2	63
38	Passive Dosing to Determine the Speciation of Hydrophobic Organic Chemicals in Aqueous Samples. <i>Analytical Chemistry</i> , 2010, 82, 1142-1146.	6.5	62
39	Baseline Toxicity and Volatility Cutoff in Reporter Gene Assays Used for High-Throughput Screening. <i>Chemical Research in Toxicology</i> , 2019, 32, 1646-1655.	3.3	62
40	Passive extraction and clean-up of phenoxy acid herbicides in samples from a groundwater plume using hollow fiber supported liquid membranes. <i>Journal of Chromatography A</i> , 2007, 1160, 56-63.	3.7	61
41	Measuring Binding and Speciation of Hydrophobic Organic Chemicals at Controlled Freely Dissolved Concentrations and without Phase Separation. <i>Analytical Chemistry</i> , 2012, 84, 1601-1608.	6.5	61
42	Matrix solid-phase microextraction for measuring freely dissolved concentrations and chemical activities of PAHs in sediment cores from the western Baltic Sea. <i>Chemosphere</i> , 2009, 74, 522-529.	8.2	60
43	Silicone Membrane Equilibrator: Measuring Chemical Activity of Nonpolar Chemicals with Poly(dimethylsiloxane) Microtubes Immersed Directly in Tissue and Lipids. <i>Analytical Chemistry</i> , 2009, 81, 1536-1542.	6.5	57
44	How to Determine the Environmental Exposure of PAHs Originating from Biochar. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1941-1948.	10.0	57
45	Influence of growth conditions on the results obtained in algal toxicity tests. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1091-1098.	4.3	56
46	Pulmonary Surfactant Suppressed Phenanthrene Adsorption on Carbon Nanotubes through Solubilization and Competition As Examined by Passive Dosing Technique. <i>Environmental Science &amp; Technology</i> , 2012, 46, 5369-5377.	10.0	56
47	Sorptive Bioaccessibility Extraction (SBE) of Soils: Combining a Mobilization Medium with an Absorption Sink. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10682-10689.	10.0	56
48	Development of a dynamic delivery method for in vitro bioassays. <i>Chemosphere</i> , 2009, 76, 83-90.	8.2	54
49	Sorptive Physiologically Based Extraction of Contaminated Solid Matrices: Incorporating Silicone Rod As Absorption Sink for Hydrophobic Organic Contaminants. <i>Environmental Science &amp; Technology</i> , 2013, 47, 941-948.	10.0	52
50	Passive Equilibrium Sampler for in Situ Measurements of Freely Dissolved Concentrations of Hydrophobic Organic Chemicals in Sediments. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7830-7839.	10.0	51
51	Polymers as Reference Partitioning Phase: Polymer Calibration for an Analytically Operational Approach To Quantify Multimedia Phase Partitioning. <i>Analytical Chemistry</i> , 2016, 88, 5818-5826.	6.5	51
52	Bioconcentration kinetics of hydrophobic chemicals in different densities of <i>Chlorella pyrenoidosa</i> . <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1695-1704.	4.3	50
53	Low accessibility and chemical activity of PAHs restrict bioremediation and risk of exposure in a manufactured gas plant soil. <i>Environmental Pollution</i> , 2010, 158, 1214-1220.	7.5	50
54	Dynamic Passive Dosing for Studying the Biotransformation of Hydrophobic Organic Chemicals: Microbial Degradation as an Example. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4852-4860.	10.0	50

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55	In Situ Silicone Tube Microextraction: A New Method for Undisturbed Sampling of Root-exuded Thiophenes from Marigold ( <i>Tagetes erecta</i> L.) in Soil. <i>Journal of Chemical Ecology</i> , 2009, 35, 1279-1287.	1.8	49
56	Silicone passive equilibrium samplers as "chemometers"™ in eels and sediments of a Swedish lake. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 464-472.	3.5	49
57	Bioavailability and bioaccessibility of polycyclic aromatic hydrocarbons from (post-pyrolytically) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.2	49
58	Bioaccumulation in aquatic systems: methodological approaches, monitoring and assessment. <i>Environmental Sciences Europe</i> , 2015, 27, 5.	5.5	48
59	Algal growth inhibition test in filled, closed bottles for volatile and sorptive materials. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2551-2556.	4.3	46
60	Equilibrium passive sampling as a tool to study polycyclic aromatic hydrocarbons in Baltic Sea sediment pore-water systems. <i>Marine Pollution Bulletin</i> , 2015, 101, 296-303.	5.0	46
61	Is there sufficient "sink"™ in current bioaccessibility determinations of organic pollutants in soils?. <i>Environmental Pollution</i> , 2013, 181, 128-132.	7.5	45
62	Determining Chemical Activity of (Semi)volatile Compounds by Headspace Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2007, 79, 2869-2876.	6.5	44
63	Immersed solid phase microextraction to measure chemical activity of lipophilic organic contaminants in fatty tissue samples. <i>Chemosphere</i> , 2008, 71, 1502-1510.	8.2	44
64	Strategies for Transferring Mixtures of Organic Contaminants from Aquatic Environments into Bioassays. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5424-5431.	10.0	44
65	PAH toxicity at aqueous solubility in the fish embryo test with <i>Danio rerio</i> using passive dosing. <i>Chemosphere</i> , 2014, 112, 77-84.	8.2	42
66	Equilibrium Sampling to Determine the Thermodynamic Potential for Bioaccumulation of Persistent Organic Pollutants from Sediment. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11352-11359.	10.0	40
67	A chemical activity approach to exposure and risk assessment of chemicals. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1235-1251.	4.3	40
68	A high throughput passive dosing format for the Fish Embryo Acute Toxicity test. <i>Chemosphere</i> , 2015, 139, 9-17.	8.2	39
69	Degradation of PCB congeners by bacterial strains. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 469-481.	3.6	37
70	Soil microbial and physical properties and their relations along a steep copper gradient. <i>Agriculture, Ecosystems and Environment</i> , 2012, 159, 9-18.	5.3	37
71	A Contaminant Trap as a Tool for Isolating and Measuring the Desorption Resistant Fraction of Soil Pollutants. <i>Environmental Science &amp; Technology</i> , 2011, 45, 2932-2937.	10.0	36
72	Partitioning of hydrophobic organic contaminants between polymer and lipids for two silicones and low density polyethylene. <i>Chemosphere</i> , 2017, 186, 948-957.	8.2	36

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73	Equilibrium Sampling through Membranes of Freely Dissolved Copper Concentrations with Selective Hollow Fiber Membranes and the Spectrophotometric Detection of a Metal Stripping Agent. <i>Analytical Chemistry</i> , 2005, 77, 7605-7611.	6.5	35
74	Equilibrium Sampling of Freely Dissolved Alkylphenols into a Thin Film of 1-Octanol Supported on a Hollow Fiber Membrane. <i>Analytical Chemistry</i> , 2006, 78, 8526-8534.	6.5	35
75	Co-Transport of Polycyclic Aromatic Hydrocarbons by Motile Microorganisms Leads to Enhanced Mass Transfer under Diffusive Conditions. <i>Environmental Science &amp; Technology</i> , 2014, 48, 4368-4375.	10.0	35
76	Enhanced Accessibility of Polycyclic Aromatic Hydrocarbons (PAHs) and Heterocyclic PAHs in Industrially Contaminated Soil after Passive Dosing of a Competitive Sorbate. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8017-8026.	10.0	35
77	Determining Biodegradation Kinetics of Hydrocarbons at Low Concentrations: Covering 5 and 9 Orders of Magnitude of $K_{ow}$ and $K_{aw}$ . <i>Environmental Science &amp; Technology</i> , 2018, 52, 2143-2151.	10.0	35
78	Mixture Effects on Biodegradation Kinetics of Hydrocarbons in Surface Water: Increasing Concentrations Inhibited Degradation whereas Multiple Substrates Did Not. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3087-3094.	10.0	35
79	Recreating the seawater mixture composition of HOCs in toxicity tests with <i>Artemia franciscana</i> by passive dosing. <i>Aquatic Toxicology</i> , 2012, 120-121, 27-34.	4.0	34
80	Passive Dosing of Polycyclic Aromatic Hydrocarbon (PAH) Mixtures to Terrestrial Springtails: Linking Mixture Toxicity to Chemical Activities, Equilibrium Lipid Concentrations, and Toxic Units. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7020-7027.	10.0	34
81	Impact of soil amendments and the plant rhizosphere on PAH behaviour in soil. <i>Environmental Pollution</i> , 2014, 188, 124-131.	7.5	34
82	MEASURING PYRETHROIDS IN SEDIMENT PORE WATER USING MATRIX-SOLID PHASE MICROEXTRACTION. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 36.	4.3	33
83	Equilibrium sampling of environmental pollutants in fish: Comparison with lipid-normalized concentrations and homogenization effects on chemical activity. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1515-1521.	4.3	32
84	Determining High-Quality Critical Body Residues for Multiple Species and Chemicals by Applying Improved Experimental Design and Data Interpretation Concepts. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1879-1887.	10.0	32
85	Improving the Environmental Risk Assessment of Substances of Unknown or Variable Composition, Complex Reaction Products, or Biological Materials. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2097-2108.	4.3	32
86	Algal growth inhibition of <i>Chlorella pyrenoidosa</i> by polar narcotic pollutants: toxic cell concentrations and QSAR modeling. <i>Aquatic Toxicology</i> , 1999, 46, 1-10.	4.0	30
87	Effect of vegetable oil addition on bioaccessibility and biodegradation of polycyclic aromatic hydrocarbons in historically contaminated soils. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 827-835.	3.2	30
88	Equilibrium sampling of polychlorinated biphenyls in River Elbe sediments – Linking bioaccumulation in fish to sediment contamination. <i>Chemosphere</i> , 2015, 138, 856-862.	8.2	30
89	COMBINED CHEMICAL (FLUORANTHENE) AND DROUGHT EFFECTS ON LUMBRICUS RUBELLUS DEMONSTRATE THE APPLICABILITY OF THE INDEPENDENT ACTION MODEL FOR MULTIPLE STRESSOR ASSESSMENT. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 629.	4.3	29
90	The dosing determines mutagenicity of hydrophobic compounds in the Ames II assay with metabolic transformation: Passive dosing versus solvent spiking. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 750, 12-18.	1.7	29

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91	Fate of polychlorinated biphenyls in a contaminated lake ecosystem: Combining equilibrium passive sampling of sediment and water with total concentration measurements of biota. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2463-2474.	4.3	28
92	Linking algal growth inhibition to chemical activity: Baseline toxicity required 1% of saturation. <i>Chemosphere</i> , 2015, 120, 305-308.	8.2	27
93	Biodegradation of hydrocarbon mixtures in surface waters at environmentally relevant levels – Effect of inoculum origin on kinetics and sequence of degradation. <i>Chemosphere</i> , 2017, 184, 400-407.	8.2	27
94	Determining lower threshold concentrations for synergistic effects. <i>Aquatic Toxicology</i> , 2017, 182, 79-90.	4.0	27
95	Application of the Activity Framework for Assessing Aquatic Ecotoxicology Data for Organic Chemicals. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12289-12296.	10.0	26
96	Biodegradation testing of chemicals with high Henry's constants – Separating mass and effective concentration reveals higher rate constants. <i>Chemosphere</i> , 2017, 174, 716-721.	8.2	26
97	Aquatic toxicity testing of liquid hydrophobic chemicals – Passive dosing exactly at the saturation limit. <i>Chemosphere</i> , 2017, 167, 551-558.	8.2	26
98	Toxic cell concentrations of three polychlorinated biphenyl congeners in the green alga <i>Selenastrum capricornutum</i> . <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1848-1851.	4.3	25
99	Occurrence of organochlorine pesticides in indoor dust. <i>Journal of Environmental Monitoring</i> , 2011, 13, 522.	2.1	25
100	Determining the water solubility of difficult-to-test substances: A tutorial review. <i>Analytica Chimica Acta</i> , 2019, 1086, 16-28.	5.4	25
101	Bioavailability of organochlorine compounds in aqueous suspensions of fullerene: Evaluated with medaka ( <i>Oryzias latipes</i> ) and negligible depletion solid-phase microextraction. <i>Chemosphere</i> , 2010, 80, 693-700.	8.2	24
102	Loss of artemisinin produced by <i>Artemisia annua</i> L. to the soil environment. <i>Industrial Crops and Products</i> , 2013, 43, 132-140.	5.2	23
103	Uptake and toxicity of polycyclic aromatic hydrocarbons in terrestrial springtails – studying bioconcentration kinetics and linking toxicity to chemical activity. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 361-369.	4.3	23
104	Accelerated Passive Dosing of Hydrophobic Complex Mixtures – Controlling the Level and Composition in Aquatic Tests. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4974-4983.	10.0	23
105	Isomer-Specific Biodegradation of Methylphenanthrenes by Soil Bacteria. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4790-4796.	10.0	21
106	Time-Weighted Average SPME Analysis for <i>in Planta</i> Determination of cVOCs. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3319-3325.	10.0	21
107	Comments on – Adsorption versus Absorption of Polychlorinated Biphenyls onto Solid-Phase Microextraction Coatings –. <i>Analytical Chemistry</i> , 2000, 72, 639-641.	6.5	19
108	Cross Validation of Two Partitioning-Based Sampling Approaches in Mesocosms Containing PCB Contaminated Field Sediment, Biota, and Activated Carbon Amendment. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9996-10004.	10.0	19

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109	Passive dosing of triclosan in multigeneration tests with copepods – stable exposure concentrations and effects at the low 1/4g/L range. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1254-1260.	4.3	19
110	More of EPA’s SPARC Online Calculator – The Need for High-Quality Predictions of Chemical Properties. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4400-4401.	10.0	18
111	A flow-through passive dosing system for continuously supplying aqueous solutions of hydrophobic chemicals to bioconcentration and aquatic toxicity tests. <i>Chemosphere</i> , 2012, 86, 593-599.	8.2	18
112	Limited recovery of soil microbial activity after transient exposure to gasoline vapors. <i>Environmental Pollution</i> , 2016, 216, 826-835.	7.5	18
113	Polyacrylate – water partitioning of biocidal compounds: Enhancing the understanding of biocide partitioning between render and water. <i>Chemosphere</i> , 2015, 119, 1021-1026.	8.2	17
114	Meta-analysis of fish early life stage tests – Association of toxic ratios and acute – chronic ratios with modes of action. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 955-969.	4.3	17
115	Sediment Dilution Method to Determine Sorption Coefficients of Hydrophobic Organic Chemicals. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4220-4225.	10.0	16
116	Endocrine activity of persistent organic pollutants accumulated in human silicone implants – Dosing assays by partitioning from silicone. <i>Environment International</i> , 2015, 84, 107-114.	10.0	16
117	Including Bioconcentration Kinetics for the Prioritization and Interpretation of Regulatory Aquatic Toxicity Tests of Highly Hydrophobic Chemicals. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12004-12011.	10.0	16
118	Utilizing the partitioning properties of silicone for the passive sampling of polychlorinated biphenyls (PCBs) in indoor air. <i>Chemosphere</i> , 2016, 160, 280-286.	8.2	15
119	Headspace Passive Dosing of Volatile Hydrophobic Organic Chemicals from a Lipid Donor – Linking Their Toxicity to Well-Defined Exposure for an Improved Risk Assessment. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13468-13476.	10.0	15
120	Atmospheric carbonation reduces bioaccessibility of PAHs in industrially contaminated soil. <i>Journal of Hazardous Materials</i> , 2020, 383, 121092.	12.4	15
121	Physiological and molecular responses of springtails exposed to phenanthrene and drought. <i>Environmental Pollution</i> , 2014, 184, 370-376.	7.5	14
122	Differential immunomodulatory responses to nine polycyclic aromatic hydrocarbons applied by passive dosing. <i>Toxicology in Vitro</i> , 2015, 29, 345-351.	2.4	14
123	Microscale In Vitro Assays for the Investigation of Neutral Red Retention and Ethoxyresorufin-O-Deethylase of Biofuels and Fossil Fuels. <i>PLoS ONE</i> , 2016, 11, e0163862.	2.5	14
124	Assessing PCB pollution in the Baltic Sea - An equilibrium partitioning based study. <i>Chemosphere</i> , 2018, 191, 886-894.	8.2	14
125	Headspace passive dosing of volatile hydrophobic chemicals – Aquatic toxicity testing exactly at the saturation level. <i>Chemosphere</i> , 2018, 211, 694-700.	8.2	14
126	Bioaccumulation in Functionally Different Species: Ongoing Input of PCBs with Sediment Deposition to Activated Carbon Remediated Bed Sediments. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2326-2336.	4.3	14



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127	Time-Resolved Freely Dissolved Concentrations of Semivolatile and Hydrophobic Test Chemicals in In Vitro Assays—Measuring High Losses and Crossover by Headspace Solid-Phase Microextraction. <i>Chemical Research in Toxicology</i> , 2019, 32, 1780-1790.	3.3	13
128	Simultaneous Control of Phenanthrene and Drought by Dual Exposure System: The Degree of Synergistic Interactions in Springtails was Exposure Dependent. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9737-9744.	10.0	12
129	Applying no-depletion equilibrium sampling and full-depletion bioaccessibility extraction to 35 historically polycyclic aromatic hydrocarbon contaminated soils. <i>Chemosphere</i> , 2018, 199, 409-416.	8.2	12
130	Comparison of freely dissolved concentrations of PAHs in contaminated pot soils under saturated and unsaturated water conditions. <i>Science of the Total Environment</i> , 2018, 644, 835-843.	8.0	12
131	Soil bacteria and protists show different sensitivity to polycyclic aromatic hydrocarbons at controlled chemical activity. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	12
132	Accelerated equilibrium sampling of hydrophobic organic chemicals in solid matrices: A proof of concept on how to reach equilibrium for PCBs within 1 day. <i>Chemosphere</i> , 2019, 237, 124537.	8.2	11
133	Expression and localization of the aryl hydrocarbon receptors and cytochrome P450 1A during early development of Atlantic cod ( <i>Gadus morhua</i> ). <i>Aquatic Toxicology</i> , 2020, 226, 105558.	4.0	11
134	Equilibrium sampling through membranes (ESTM) of acidic organic pollutants using hollow fibre modules in continuous steady-state mode. <i>Chemosphere</i> , 2009, 76, 1213-1220.	8.2	10
135	Genotoxicity of three biofuel candidates compared to reference fuels. <i>Environmental Toxicology and Pharmacology</i> , 2018, 64, 131-138.	4.0	10
136	Linking algal growth inhibition to chemical activity: Excess toxicity below 0.1% of saturation. <i>Chemosphere</i> , 2018, 208, 880-886.	8.2	10
137	Biodegradation kinetics testing of two hydrophobic UVCBs — potential for substrate toxicity supports testing at low concentrations. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2172-2180.	3.5	10
138	Passive Dosing of Petroleum and Essential Oil UVCBs—Whole Mixture Toxicity Testing at Controlled Exposure. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6150-6159.	10.0	10
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