Foppe Smedes

List of Publications by Year
in descending order

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74 papers	5,068 citations	94433 37 h-index	88630 70 g-index
77 all docs	77 docs citations	77 times ranked	4070 citing authors

#	Article	IF	Citations
1	Performance comparison of silicone and low-density polyethylene as passive samplers in a global monitoring network for aquatic organic contaminants. Environmental Pollution, 2022, 302, 119050.	7.5	10
2	A Simple Teabag Equilibrium Passive Sampler using hydrophilic divinylbenzene sorbent for contaminants of emerging concern in the marine environment. Science of the Total Environment, 2021, 777, 146055.	8.0	2
3	Time integrative sampling properties of Speedisk and silicone rubber passive samplers determined by chemical analysis and inÁvitro bioassay testing. Chemosphere, 2020, 259, 127498.	8.2	7
4	Application of equilibrium passive sampling to profile pore water and accessible concentrations of hydrophobic organic contaminants in Danube sediments. Environmental Pollution, 2020, 267, 115470.	7.5	8
5	Ex situ determination of freely dissolved concentrations of hydrophobic organic chemicals in sediments and soils: basis for interpreting toxicity and assessing bioavailability, risks and remediation necessity. Nature Protocols, 2020, 15, 1800-1828.	12.0	27
6	Passive Sampling of Waterborne Contaminants. Methods in Pharmacology and Toxicology, 2020, , 1.	0.2	2
7	Unraveling the Relationship between the Concentrations of Hydrophobic Organic Contaminants in Freshwater Fish of Different Trophic Levels and Water Using Passive Sampling. Environmental Science & Technology, 2020, 54, 7942-7951.	10.0	14
8	Investigating levels of organic contaminants in Danube River sediments in Serbia by multiâ€“ratio equilibrium passive sampling. Science of the Total Environment, 2019, 696, 133935.	8.0	21
9	Hydrophilic Divinylbenzene for Equilibrium Sorption of Emerging Organic Contaminants in Aquatic Matrices. Environmental Science & Technology, 2019, 53, 10803-10812.	10.0	7
10	Partitioning and Bioaccumulation of Legacy and Emerging Hydrophobic Organic Chemicals in Mangrove Ecosystems. Environmental Science & Technology, 2019, 53, 2549-2558.	10.0	29
11	SSP siliconeâ€“, lipidâ€“ and SPMDâ€“water partition coefficients of seventy hydrophobic organic contaminants and evaluation of the water concentration calculator for SPMD. Chemosphere, 2019, 223, 748-757.	8.2	24
12	Chasing equilibrium passive sampling of hydrophobic organic compounds in water. Science of the Total Environment, 2019, 664, 424-435.	8.0	23
13	Calibration parameters for the passive sampling of organic UV filters by silicone; diffusion coefficients and siliconeâ€“water partition coefficients. Chemosphere, 2019, 223, 731-737.	8.2	16
14	Passive sampling of pesticides and polychlorinated biphenyls along the QuequÃ©n Grande River watershed, Argentina. Environmental Toxicology and Chemistry, 2019, 38, 340-349.	4.3	12
15	Advancing the Use of Passive Sampling in Risk Assessment and Management of Sediments Contaminated with Hydrophobic Organic Chemicals: Results of an International Ex Situ Passive Sampling Interlaboratory Comparison. Environmental Science & Technology, 2018, 52, 3574-3582.	10.0	38
16	Mobile dynamic passive sampling of trace organic compounds: Evaluation of sampler performance in the Danube River. Science of the Total Environment, 2018, 636, 1597-1607.	8.0	26
17	Time-Integrative Passive sampling combined with TOxicity Profiling (TIPTOP): an effect-based strategy for cost-effective chemical water quality assessment. Environmental Toxicology and Pharmacology, 2018, 64, 48-59.	4.0	21
18	Siliconeâ€“water partition coefficients determined by cosolvent method for chlorinated pesticides, musks, organo phosphates, phthalates and more. Chemosphere, 2018, 210, 662-671.	8.2	30

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19	Toxicity profiling of marine surface sediments: A case study using rapid screening bioassays of exhaustive total extracts, elutriates and passive sampler extracts. Marine Environmental Research, 2017, 124, 81-91.	2.5	35
20	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
21	Partitioning of hydrophobic organic contaminants between polymer and lipids for two silicones and low density polyethylene. Chemosphere, 2017, 186, 948-957.	8.2	36
22	Equilibrium Passive Sampling of POP in Lipid-Rich and Lean Fish Tissue: Quality Control Using Performance Reference Compounds. Environmental Science & Technology, 2017, 51, 11250-11257.	10.0	16
23	Laboratory performance study for passive sampling of nonpolar chemicals in water. Environmental Toxicology and Chemistry, 2017, 36, 1156-1161.	4.3	11
24	Towards the review of the European Union Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. Science of the Total Environment, 2017, 576, 720-737.	8.0	255
25	Investigation of cosolvent application to enhance POPsâ€™ mass transfer in partitioning passive sampling in sediment. Environmental Science and Pollution Research, 2017, 24, 27334-27344.	5.3	3
26	Polymers as Reference Partitioning Phase: Polymer Calibration for an Analytically Operational Approach To Quantify Multimedia Phase Partitioning. Analytical Chemistry, 2016, 88, 5818-5826.	6.5	51
27	Calibration of polydimethylsiloxane and XAD-Pocket passive air samplers (PAS) for measuring gas- and particle-phase SVOCs. Atmospheric Environment, 2016, 143, 202-208.	4.1	47
28	Passive Sampling in Regulatory Chemical Monitoring of Nonpolar Organic Compounds in the Aquatic Environment. Environmental Science & Technology, 2016, 50, 3-17.	10.0	131
29	Predicting the bioaccumulation of polyaromatic hydrocarbons and polychlorinated biphenyls in benthic animals in sediments. Science of the Total Environment, 2016, 563-564, 396-404.	8.0	17
30	An interlaboratory study on passive sampling of emerging water pollutants. TrAC - Trends in Analytical Chemistry, 2016, 76, 153-165.	11.4	50
31	Future water quality monitoring â€" Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551.	8.0	243
32	Bioaccumulation in aquatic systems: methodological approaches, monitoring and assessment. Environmental Sciences Europe, 2015, 27, 5.	5.5	48
33	Quantifying the Effects of Temperature and Salinity on Partitioning of Hydrophobic Organic Chemicals to Silicone Rubber Passive Samplers. Environmental Science & Technology, 2015, 49, 6791-6799.	10.0	54
34	Position paper on passive sampling techniques for the monitoring of contaminants in the aquatic environment â€" Achievements to date and perspectives. Trends in Environmental Analytical Chemistry, 2015, 8, 20-26.	10.3	92
35	Passive sampling methods for contaminated sediments: State of the science for organic contaminants. Integrated Environmental Assessment and Management, 2014, 10, 167-178.	2.9	101
36	Comparison of five integrative samplers in laboratory for the monitoring of indicator and dioxin-like polychlorinated biphenyls in water. Chemosphere, 2014, 98, 18-27.	8.2	27

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37	Investigating the significance of dissolved organic contaminants in aquatic environments: Coupling passive sampling with in vitro bioassays. Chemosphere, 2013, 90, 210-219.	8.2	26
38	Multi-Ratio Equilibrium Passive Sampling Method to Estimate Accessible and Pore Water Concentrations of Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls in Sediment. Environmental Science & Technology, 2013, 47, 510-517.	10.0	58
39	Use of passive sampling devices for monitoring and compliance checking of POP concentrations in water. Environmental Science and Pollution Research, 2012, 19, 1885-1895.	5.3	102
40	Identifying the Research and Infrastructure Needs for the Global Assessment of Hazardous Chemicals Ten Years after Establishing the Stockholm Convention. Environmental Science & Technology, 2011, 45, 7617-7619.	10.0	25
41	Diffusion coefficients of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in polydimethylsiloxane and lowâ€density polyethylene polymers. Journal of Applied Polymer Science, 2010, 116, 1803-1810.	2.6	64
42	An Improved Method for Estimating in Situ Sampling Rates of Nonpolar Passive Samplers. Environmental Science & Technology, 2010, 44, 6789-6794.	10.0	182
43	Calibration of Silicone Rubber Passive Samplers: Experimental and Modeled Relations between Sampling Rate and Compound Properties. Environmental Science & Technology, 2010, 44, 362-367.	10.0	136
44	Polymerâ^'Water Partition Coefficients of Hydrophobic Compounds for Passive Sampling: Application of Cosolvent Models for Validation. Environmental Science & Technology, 2009, 43, 7047-7054.	10.0	224
45	Determining the chemical activity of hydrophobic organic compounds in soil using polymer coated vials. Chemistry Central Journal, 2008, 2, 8.	2.6	82
46	Chapter 19 Monitoring of chlorinated biphenyls and polycyclic aromatic hydrocarbons by passive sampling in concert with deployed mussels. Comprehensive Analytical Chemistry, 2007, , 407-448.	1.3	40
47	Polymer selection for passive sampling: A comparison of critical properties. Chemosphere, 2007, 68, 1344-1351.	8.2	206
48	Environmental Monitoring of Hydrophobic Organic Contaminants:â€‰ The Case of Mussels versus Semipermeable Membrane Devices. Environmental Science & Technology, 2006, 40, 3893-3900.	10.0	71
49	Normalization procedures for sediment contaminants in spatial and temporal trend monitoring. Journal of Environmental Monitoring, 2002, 4, 109-115.	2.1	154
50	Spiking of performance reference compounds in low density polyethylene and silicone passive water samplers. Chemosphere, 2002, 46, 1157-1161.	8.2	233
51	Stable carbon and radiocarbon isotope compositions of particle size fractions to determine origins of sedimentary organic matter in an estuary. Organic Geochemistry, 2002, 33, 945-952.	1.8	42
52	Preferential Sorption of Planar Contaminants in Sediments from Lake Ketelmeer, The Netherlands. Environmental Science & Technology, 2000, 34, 1620-1626.	10.0	164
53	Determination of (mono-, di- and) tributyltin in sediments. Analytical methods. Journal of Environmental Monitoring, 2000, 2, 541-549.	2.1	24
54	Revisiting the Development of the Bligh and Dyer Total Lipid Determination Method. Marine Pollution Bulletin, 1999, 38, 193-201.	5.0	89

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55	Determination of total lipid using non-chlorinated solvents. Analyst, The, 1999, 124, 1711-1718.	3.5	287
56	Calibrating the uptake kinetics of semipermeable membrane devices using exposure standards. Environmental Toxicology and Chemistry, 1998, 17, 1236-1245.	4.3	269
57	CALIBRATING THE UPTAKE KINETICS OF SEMIPERMEABLE MEMBRANE DEVICES USING EXPOSURE STANDARDS. Environmental Toxicology and Chemistry, 1998, 17, 1236.	4.3	10
58	Effects of storage conditions of biological materials on the contents of organochlorine compounds and mercury. Marine Pollution Bulletin, 1997, 35, 93-108.	5.0	15
59	Determination of chlorobiphenyls in sediments â€" analytical methods. TrAC - Trends in Analytical Chemistry, 1997, 16, 503-517.	11.4	74
60	Evaluation of the results of the QUASIMEME lipid intercomparison: the Bligh & Dyer total lipid extraction method. Marine Pollution Bulletin, 1996, 32, 674-680.	5.0	28
61	Evaluation of the Bligh & Dyer lipid determination method. Marine Pollution Bulletin, 1996, 32, 681-688.	5.0	85
62	Sampling and Partition of Neutral Organic Contaminants in Surface Waters With Regard to Legislation, Environmental Quality and Flux Estimations. International Journal of Environmental Analytical Chemistry, 1994, 57, 215-229.	3.3	31
63	Contaminants in eggs of some waterbird species from the Scheldt estuary, SW Netherlands. Marine Pollution Bulletin, 1993, 26, 572-578.	5.0	27
64	A method for estimation of chlorinated biphenyls in surface waters: influence of sampling method on analytical results. Environmental Science & Technology, 1992, 26, 2028-2035.	10.0	54
65	The chemistry programme. Marine Ecology - Progress Series, 1992, 91, 47-56.	1.9	23
66	Comparison of grain size correction procedures for organic micropollutants and heavy metals in marine sediments. Hydrobiologia, 1990, 208, 213-220.	2.0	72
67	Analytical Applications Of High-Resolution Molecular Fluorescence Spectroscopy In Low Temperature Solid Matrices. Proceedings of SPIE, 1989, , .	0.8	2
68	A new, rapid cleanâ€up procedure for the simultaneous determination of different groups of organic micropollutants in sediments; application in two european estuarine sediment studies. Environmental Technology Letters, 1987, 8, 9-20.	0.4	39
69	Semi-xylenol orange and its purification by high-pressure liquid chromatography. Talanta, 1983, 30, 614-616.	5.5	3
70	High-performance liquid chromatographic separation and selective detection of anionic surfactants. Journal of Chromatography A, 1982, 247, 123-132.	3.7	59
71	Simple and fast solvent extraction system for selective and quantitative isolation of adrenaline, noradrenaline and dopamine from plasma and urine. Biomedical Applications, 1982, 231, 25-39.	1.7	389
72	Application of on-column concentration of deproteinized serum to the HPLC-determination of anticonvulsants. Chromatographia, 1980, 13, 673-676.	1.3	20

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73	Construction of columns for liquid chromatography with very large plate numbers. Journal of Chromatography A, 1976, 122, 147-158.	3.7	49
74	Quality assurance and quality control of surface water sampling. , 0, , 51-90.		9