

Passive sampling techniques for monitoring pollutants

TrAC - Trends in Analytical Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Emerging Chemicals and Analytical Methods. <i>Water Environment Research</i> , 2004, 76, 481-530.	1.3	1
2	Field Sampling with a Polydimethylsiloxane Thin-Film. <i>Journal of Chromatographic Science</i> , 2006, 44, 317-323.	0.7	58
3	Calibration of the Chemcatcher passive sampler for the monitoring of priority organic pollutants in water. <i>Environmental Pollution</i> , 2006, 142, 333-343.	3.7	162
4	Modern Extraction Techniques. <i>Analytical Chemistry</i> , 2006, 78, 3997-4004.	3.2	133
6	Alternative Methods. , 0, , 53-66.		0
7	Quality Survey of Wastewater Discharges. , 0, , 275-287.		1
8	Measuring methods for groundwater " surface water interactions: a review. <i>Hydrology and Earth System Sciences</i> , 2006, 10, 873-887.	1.9	564
9	Rapid semi-continuous calibration and field test of membrane-enclosed silicone collector as passive water sampler. <i>Journal of Chromatography A</i> , 2006, 1124, 187-195.	1.8	47
10	Recent developments in SPME for on-site analysis and monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 692-703.	5.8	173
11	Strategic monitoring for the European Water Framework Directive. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 704-715.	5.8	117
12	Analytical methods for polycyclic aromatic hydrocarbons (PAHs) in food and the environment needed for new food legislation in the European Union. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 716-725.	5.8	333
13	SPME in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1059-1073.	1.9	237
14	Advances in analytical techniques for polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and dioxin-like PCBs. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 791-806.	1.9	89
15	Chapter 14 Field study considerations in the use of passive sampling devices in water monitoring. <i>Comprehensive Analytical Chemistry</i> , 2007, 48, 311-328.	0.7	4
16	Comprehensive study of endocrine disrupting compounds using grab and passive sampling at selected wastewater treatment plants in South East Queensland, Australia. <i>Environment International</i> , 2007, 33, 654-669.	4.8	168
17	Modelling and field application of the Chemcatcher passive sampler calibration data for the monitoring of hydrophobic organic pollutants in water. <i>Environmental Pollution</i> , 2007, 145, 895-904.	3.7	89
18	Development of Polar Organic Integrative Samplers for Analysis of Pharmaceuticals in Aquatic Systems. <i>Analytical Chemistry</i> , 2007, 79, 6734-6741.	3.2	150
19	Evaluation of the Chemcatcher and DGT passive samplers for monitoring metals with highly fluctuating water concentrations. <i>Journal of Environmental Monitoring</i> , 2007, 9, 672.	2.1	84

#	ARTICLE	IF	CITATIONS
20	Development of an 'early warning system' for harmful algal blooms using solid-phase adsorption toxin tracking (SPATT)., 2007, , .		8
21	Passive Sampler for Combined Chemical and Toxicological Long-Term Monitoring of Groundwater: The Ceramic Toximeter. Environmental Science & Technology, 2007, 41, 6868-6876.	4.6	18
22	Time-Weighted Average Water Sampling in Lake Ontario with Solid-Phase Microextraction Passive Samplers. Environmental Science & Technology, 2007, 41, 4026-4031.	4.6	70
23	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2007, 79, 4295-4324.	3.2	238
24	Emerging tools and sustainability of water-quality monitoring. TrAC - Trends in Analytical Chemistry, 2007, 26, 308-314.	5.8	7
25	Potential of effective extraction techniques and new analytical systems for profiling the marine environment. TrAC - Trends in Analytical Chemistry, 2007, 26, 788-808.	5.8	16
26	Time-weighted average water sampling with a diffusion-based solid-phase microextraction device. Journal of Chromatography A, 2007, 1138, 42-46.	1.8	26
27	Sample preparation for the analysis of volatile organic compounds in air and water matrices. Journal of Chromatography A, 2007, 1153, 130-144.	1.8	299
28	Configurations and calibration methods for passive sampling techniques. Journal of Chromatography A, 2007, 1168, 226-235.	1.8	103
29	Determination of kinetic and equilibrium regimes in the operation of polar organic chemical integrative samplers. Journal of Chromatography A, 2007, 1154, 42-51.	1.8	159
30	Sample preparation for chromatography: An African perspective. Journal of Chromatography A, 2007, 1153, 1-13.	1.8	11
31	Advances in passive sampling in environmental studies. Analytica Chimica Acta, 2007, 602, 141-163.	2.6	221
32	CALIBRATION OF A PASSIVE SAMPLING DEVICE FOR TIME-INTEGRATED SAMPLING OF HYDROPHILIC HERBICIDES IN AQUATIC ENVIRONMENTS. Environmental Toxicology and Chemistry, 2007, 26, 435.	2.2	58
33	Laboratory calibration and field deployment of the Polar organic chemical integrative sampler for pharmaceuticals and personal care products in wastewater and surface water. Environmental Toxicology and Chemistry, 2007, 26, 2517-2529.	2.2	184
34	Trends in monitoring pharmaceuticals and personal-care products in the aquatic environment by use of passive sampling devices. Analytical and Bioanalytical Chemistry, 2007, 387, 1153-1157.	1.9	67
35	Trends in the detection of pharmaceutical products, and their impact and mitigation in water and wastewater in North America. Analytical and Bioanalytical Chemistry, 2007, 387, 1143-1151.	1.9	54
37	A novel approach for monitoring of cyanobacterial toxins: development and evaluation of the passive sampler for microcystins. Analytical and Bioanalytical Chemistry, 2008, 390, 1167-1172.	1.9	28
38	Analysis of emerging contaminants in sewage effluent and river water: Comparison between spot and passive sampling. Analytica Chimica Acta, 2008, 607, 37-44.	2.6	179

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39	A critical review in calibration methods for solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2008, 627, 184-197.	2.6	258
40	Passive sampling in environmental analysis. <i>Journal of Chromatography A</i> , 2008, 1184, 234-253.	1.8	253
41	Aquatic passive sampling of a short-term thiacloprid pulse with the Chemcatcher: Impact of biofouling and use of a diffusion-limiting membrane on the sampling rate. <i>Journal of Chromatography A</i> , 2008, 1203, 1-6.	1.8	51
42	Spatial and Temporal Patterns of Pharmaceuticals in the Aquatic Environment: A Review. <i>Geography Compass</i> , 2008, 2, 920-955.	1.5	23
43	Measurement of environmental trace-metal levels in Mediterranean coastal areas with transplanted mussels and DGT techniques. <i>Marine Pollution Bulletin</i> , 2008, 57, 832-837.	2.3	80
44	Performance of the Chemcatcher® passive sampler when used to monitor 10 polar and semi-polar pesticides in 16 Central European streams, and comparison with two other sampling methods. <i>Water Research</i> , 2008, 42, 2707-2717.	5.3	67
45	New perspectives in the use of semipermeable membrane devices as passive samplers. <i>Talanta</i> , 2008, 74, 443-457.	2.9	69
46	Effect of housing geometry on the performance of Chemcatcher® passive sampler for the monitoring of hydrophobic organic pollutants in water. <i>Environmental Pollution</i> , 2008, 153, 706-710.	3.7	29
47	Calibration of the Chemcatcher® passive sampler for monitoring selected polar and semi-polar pesticides in surface water. <i>Environmental Pollution</i> , 2008, 155, 52-60.	3.7	75
48	Passive sampling of selected endocrine disrupting compounds using polar organic chemical integrative samplers. <i>Environmental Pollution</i> , 2008, 156, 316-324.	3.7	136
49	Calibration and field application of a solvent-based cellulose membrane passive sampling device for the monitoring of polar herbicides. <i>Chemosphere</i> , 2008, 71, 611-620.	4.2	20
50	Comparison between the polar organic chemical integrative sampler and the solid-phase extraction for estimating herbicide time-weighted average concentrations during a microcosm experiment. <i>Chemosphere</i> , 2008, 73, 545-550.	4.2	49
51	Polycyclic aromatic hydrocarbon sampling in wastewaters using semipermeable membrane devices: Accuracy of time-weighted average concentration estimations of truly dissolved compounds. <i>Chemosphere</i> , 2008, 73, 1194-1200.	4.2	24
52	Chemcatcher® and DGT passive sampling devices for regulatory monitoring of trace metals in surface water. <i>Journal of Environmental Monitoring</i> , 2008, 10, 821.	2.1	61
53	Fast and Precise SBSE-HPTLC/FLD Method for Quantification of Six Polycyclic Aromatic Hydrocarbons Frequently Found in Water. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 1925-1942.	0.5	21
54	Performance optimization of a membrane assisted passive sampler for monitoring of ionizable organic compounds in water. <i>Journal of Environmental Monitoring</i> , 2008, 10, 129-135.	2.1	5
55	Poly(dimethylsiloxane) as Passive Sampler Material for Hydrophobic Chemicals: Effect of Chemical Properties and Sampler Characteristics on Partitioning and Equilibration Times. <i>Analytical Chemistry</i> , 2008, 80, 3859-3866.	3.2	97
56	Analysis of Emerging Contaminants of Municipal and Industrial Origin. <i>Handbook of Environmental Chemistry</i> , 2008, , 37-104.	0.2	7

#	ARTICLE	IF	CITATIONS
57	Assessment of Chemcatcher passive sampler for the monitoring of inorganic mercury and organotin compounds in water. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 75-90.	1.8	24
58	Multivariate Analysis of Selected Metal Ion Transport through a Hollowâ€Fiber Supported Liquid Membrane Device used for Passive Sampling Monitoring. <i>Solvent Extraction and Ion Exchange</i> , 2008, 26, 602-623.	0.8	8
59	Analysis of Emerging Contaminants of Municipal and Industrial Origin. , 2008, , 37-104.		3
60	Novel on-tap passive sampling for odorous compounds in drinking water. <i>Water Science and Technology: Water Supply</i> , 2008, 8, 197-205.	1.0	1
61	Monitoring of Pharmaceutical Residues in Sewage Effluents. , 2009, , 315-342.		4
62	Event monitoring of herbicides with naked and membrane-covered Empore disk integrative passive sampling devices. <i>Marine Pollution Bulletin</i> , 2009, 58, 1116-1122.	2.3	25
63	Enzymatic and cellular responses in relation to body burden of PAHs in bivalve molluscs: A case study with chronic levels of North Sea and Barents Sea dispersed oil. <i>Marine Pollution Bulletin</i> , 2009, 58, 1796-1807.	2.3	70
64	Influence of temporally variable groundwater flow conditions on point measurements and contaminant mass flux estimations. <i>Journal of Contaminant Hydrology</i> , 2009, 108, 118-133.	1.6	24
65	Analysis of hydrodynamic and hydrochemical behaviour of an aquifer using dialysis cells. <i>Hydrogeology Journal</i> , 2009, 17, 781-792.	0.9	1
66	Comparing the passive sampler and biomonitoring of organic pollutants in water: A laboratory study. <i>Ocean Science Journal</i> , 2009, 44, 69-77.	0.6	7
67	Strategies for monitoring the emerging polar organic contaminants in water with emphasis on integrative passive sampling. <i>Journal of Chromatography A</i> , 2009, 1216, 623-630.	1.8	84
68	On-tap passive enrichment, a new way to investigate off-flavor episodes in drinking water. <i>Journal of Chromatography A</i> , 2009, 1216, 2854-2859.	1.8	7
69	Ultratrace extraction of persistent organic pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1137-1147.	5.8	5
70	Potential applications of passive sampling for monitoring non-polar industrial pollutants in the aqueous environment in support of REACH. <i>Journal of Chromatography A</i> , 2009, 1216, 631-639.	1.8	31
71	Solid-phase microextraction under controlled agitation conditions for rapid on-site sampling of organic pollutants in water. <i>Journal of Chromatography A</i> , 2009, 1216, 6979-6985.	1.8	73
72	Analytical methods for determination of free metal ion concentration, labile species fraction and metal complexation capacity of environmental waters: A review. <i>Analytica Chimica Acta</i> , 2009, 631, 129-141.	2.6	186
73	Dynamic Exposure of Organisms and Passive Samplers to Hydrophobic Chemicals. <i>Environmental Science & Technology</i> , 2009, 43, 2206-2215.	4.6	55
74	Determination of Halogenated Natural Products in Passive Samplers Deployed along the Great Barrier Reef, Queensland/Australia. <i>Environmental Science & Technology</i> , 2009, 43, 6131-6137.	4.6	46

#	ARTICLE	IF	CITATIONS
75	Using SPMDs to monitor water column concentrations of PCDDs, PCDFs and dioxin-like PCBs in Port Jackson (Sydney Harbour), Australia. <i>Chemosphere</i> , 2009, 75, 1243-1251.	4.2	21
76	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.	4.2	10
77	Application of Chemcatcher passive sampler for monitoring levels of mercury in contaminated river water. <i>Talanta</i> , 2009, 77, 1483-1489.	2.9	26
78	A convenient and cost-effective method for monitoring marine algal toxins with passive samplers. <i>Toxicol</i> , 2009, 53, 543-550.	0.8	69
79	Passive sampling combined with ecotoxicological and chemical analysis of pharmaceuticals and biocides – evaluation of three Chemcatcher configurations. <i>Water Research</i> , 2009, 43, 903-914.	5.3	110
80	Field Performance of Seven Passive Sampling Devices for Monitoring of Hydrophobic Substances. <i>Environmental Science & Technology</i> , 2009, 43, 5383-5390.	4.6	129
81	Polar Organic Chemical Integrative Sampler and Semi-Permeable Membrane Devices. <i>Water Quality Measurements Series</i> , 2009, , 71-77.	0.1	0
82	Evaluation of the Field Performance of Emerging Water Quality Monitoring Tools. <i>Water Quality Measurements Series</i> , 2009, , 287-301.	0.1	2
83	One-Calibrant Kinetic Calibration for On-Site Water Sampling with Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2009, 81, 5629-5636.	3.2	49
84	Pesticide sequestration in passive samplers (SPMDs): considerations for deployment time, biofouling, and stream flow in a tropical watershed. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1866.	2.1	10
85	A novel method for the in situ calibration of flow effects on a phosphate passive sampler. <i>Journal of Environmental Monitoring</i> , 2009, 11, 212-219.	2.1	23
86	New Developments in Microextraction. , 0, , 117-123.		0
87	Strategy of Collecting Samples from an Aquatic Environment. <i>Analytical Chemistry Series</i> , 2009, , 1-18.	0.0	2
88	Application of Solid Phase Adsorption Toxin Tracking (SPATT) for field detection of the hydrophilic phycotoxins domoic acid and saxitoxin in coastal California. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 645-660.	1.0	77
89	Experiences and Lessons Learned on the Implementation of the Water Framework Directive in Selected European River Basins. <i>Handbook of Environmental Chemistry</i> , 2010, , 373-424.	0.2	1
90	Hand-Held Mass Spectrometer for Environmentally Relevant Analytes Using a Variety of Sampling and Ionization Methods. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 11-20.	0.5	23
91	Passive sampling as a tool for obtaining reliable analytical information in environmental quality monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 273-296.	1.9	139
92	Evaluation of the novel passive sampler for cyanobacterial toxins microcystins under various conditions including field sampling. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 823-828.	1.9	18

#	ARTICLE	IF	CITATIONS
93	Passive sampling and stir bar sorptive extraction for the determination of endocrine-disrupting compounds in water by GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1335-1345.	1.9	37
94	An overview of sample preparation and extraction of synthetic pyrethroids from water, sediment and soil. <i>Journal of Chromatography A</i> , 2010, 1217, 5537-5554.	1.8	70
95	Environmental and human health risk assessment of organic micro-pollutants occurring in a Spanish marine fish farm. <i>Environmental Pollution</i> , 2010, 158, 1809-1816.	3.7	75
96	Partitioning of organochlorine pesticides from water to polyethylene passive samplers. <i>Environmental Pollution</i> , 2010, 158, 2511-2517.	3.7	90
97	Passive sampling methods for monitoring endocrine disruptors in the Svatka and Svitava rivers in the Czech Republic. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 550-555.	2.2	30
98	Toxicity profiling: An integrated effect-based tool for site-specific sediment quality assessment. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 761-773.	1.6	23
99	The analysis of dioxins and related compounds. <i>Mass Spectrometry Reviews</i> , 2010, 29, 526-559.	2.8	44
100	Stir-bar sorptive extraction: A view on method optimisation, novel applications, limitations and potential solutions. <i>Journal of Chromatography A</i> , 2010, 1217, 2642-2666.	1.8	347
101	Passive Samplers for Monitoring VOCs in Groundwater and the Prospects Related to Mass Flux Measurements. <i>Ground Water Monitoring and Remediation</i> , 2010, 30, 114-126.	0.6	15
102	Optimisation of the membrane-assisted passive sampler and its comparison with solid phase extraction technique. <i>Water S A</i> , 2010, 36, .	0.2	4
103	Evaluation of the Use of Performance Reference Compounds in an Oasis-HLB Adsorbent Based Passive Sampler for Improving Water Concentration Estimates of Polar Herbicides in Freshwater. <i>Environmental Science & Technology</i> , 2010, 44, 1713-1719.	4.6	130
104	New Diffusive Gradients in a Thin Film Technique for Measuring Inorganic Arsenic and Selenium(IV) Using a Titanium Dioxide Based Adsorbent. <i>Analytical Chemistry</i> , 2010, 82, 7401-7407.	3.2	123
105	Using silicone passive samplers to detect polycyclic aromatic hydrocarbons from wildfires in streams and potential acute effects for invertebrate communities. <i>Water Research</i> , 2010, 44, 4590-4600.	5.3	41
106	Effect of sampler material on the uptake of PAHs into passive sampling devices. <i>Chemosphere</i> , 2010, 79, 470-475.	4.2	46
107	Application and Evaluation of a New Passive Sampler for Measuring Average Solute Concentrations in a Catchment Scale Water Quality Monitoring Study. <i>Environmental Science & Technology</i> , 2010, 44, 1353-1359.	4.6	59
108	Short-term exposure testing of six different passive samplers for the monitoring of hydrophobic contaminants in water. <i>Journal of Environmental Monitoring</i> , 2010, 12, 696.	2.1	20
109	Field performance of the Chemcatcher passive sampler for monitoring hydrophobic organic pollutants in surface water. <i>Journal of Environmental Monitoring</i> , 2010, 12, 863.	2.1	8
110	Development of polypropylene glycol coated hollow fiber membranes as passive sampler for field equilibrium sampling of odorous compounds in environmental waters. <i>Analytical Methods</i> , 2011, 3, 696.	1.3	1

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111	Occurrence of PAHs and PCBs in the Alna River, Oslo (Norway). <i>Journal of Environmental Monitoring</i> , 2011, 13, 2420.	2.1	12
112	An automatic field sampler utilising supported liquid membrane (SLM) for on-site extraction of triazine herbicides and degradation products: applied to an agricultural region of Ethiopia. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 929-944.	1.8	9
113	Method for the <i>in situ</i> Calibration of a Passive Phosphate Sampler in Estuarine and Marine Waters. <i>Environmental Science & Technology</i> , 2011, 45, 2871-2877.	4.6	20
114	In situ differentiation of labile/inert metal species in Brazilian tropical rivers by means of a time-controlled batch-procedure based on TEPHA resin. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1296-1309.	1.8	0
115	Study of solid phase adsorption of paralytic shellfish poisoning toxins (PSP) onto different resins. <i>Harmful Algae</i> , 2011, 10, 447-455.	2.2	21
116	Determination of atrazine in surface waters by combination of POCIS passive sampling and ELISA detection. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2582.	2.1	19
117	In situ polar organic chemical integrative sampling (POCIS) of steroidal estrogens in sewage treatment works discharge and river water. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1427.	2.1	32
118	Design and Calibration of an Organic Diffusive Probe to Extend the Diffusion Gradient Technique to Organic Pollutants. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 3318-3332.	1.2	5
120	Application of artificial mussels (AMs) under South African marine conditions: A validation study. <i>Marine Pollution Bulletin</i> , 2011, 63, 108-118.	2.3	27
121	A rapidly equilibrating, thin film, passive water sampler for organic contaminants; characterization and field testing. <i>Environmental Pollution</i> , 2011, 159, 481-486.	3.7	31
122	The performance of passive flow monitors and phosphate accumulating passive samplers when exposed to pulses in external water flow rate and/or external phosphate concentrations. <i>Environmental Pollution</i> , 2011, 159, 1435-1441.	3.7	9
123	Mobile passive samplers: Concept for a novel mode of exposure. <i>Environmental Pollution</i> , 2011, 159, 2393-2397.	3.7	13
124	Determination of deployment specific chemical uptake rates for SDB-RPD Empore disk using a passive flow monitor (PFM). <i>Chemosphere</i> , 2011, 83, 1290-1295.	4.2	43
125	Development and calibration of a passive sampler for N-nitrosodimethylamine (NDMA) in water. <i>Chemosphere</i> , 2011, 84, 497-503.	4.2	12
126	Endocrine disrupting activities in sewage effluent and river water determined by chemical analysis and <i>in vitro</i> assay in the context of granular activated carbon upgrade. <i>Chemosphere</i> , 2011, 84, 1512-1520.	4.2	42
127	Rapid quantification of pharmaceuticals and pesticides in passive samplers using ultra high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 9162-9173.	1.8	71
128	Determination of labile inorganic and organic species of Al and Cu in river waters using the diffusive gradients in thin films technique. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2563-2570.	1.9	13
129	Solid-Phase Microextraction (SPME) Techniques for Quality Characterization of Food Products: A Review. <i>Food and Bioprocess Technology</i> , 2011, 4, 1-26.	2.6	179

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130	Passive sampling of selected pesticides in aquatic environment using polar organic chemical integrative samplers. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1222-1233.	2.7	44
131	Quantitative evaluation of laboratory uptake rates for pesticides, pharmaceuticals, and steroid hormones using POCIS. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1412-1420.	2.2	77
132	Liquid chromatography coupled with tandem mass spectrometry method for thirty-three pesticides in natural water and comparison of performance between classical solid phase extraction and passive sampling approaches. <i>Journal of Chromatography A</i> , 2011, 1218, 1492-1502.	1.8	120
133	Membrane assisted passive sampler for triazine compounds in water bodies—Characterization of environmental conditions and field performance. <i>Analytica Chimica Acta</i> , 2011, 694, 75-82.	2.6	23
134	New challenges in environmental analytical chemistry: Identification of toxic compounds in complex mixtures. <i>Comptes Rendus Chimie</i> , 2011, 14, 766-779.	0.2	57
135	Application of derivatized magnetic materials to the separation and the preconcentration of pollutants in water samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1095-1108.	5.8	220
136	Mercury and organotin compounds monitoring in fresh and marine waters across Europe by Chemcatcher passive sampler. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1100-1116.	1.8	13
137	Sampling and Conservation. , 2011, , 131-152.		3
138	Novel Membrane-Separation Techniques and Their Environmental Applications. , 2012, , 696-726.		3
139	Polar organic chemical integrative sampler (POCIS): application for monitoring organic micropollutants in wastewater effluent and surface water. <i>Journal of Environmental Monitoring</i> , 2012, 14, 626-635.	2.1	39
140	Use of Mixed-Mode Ion Exchange Sorbent for the Passive Sampling of Organic Acids by Polar Organic Chemical Integrative Sampler (POCIS). <i>Environmental Science & Technology</i> , 2012, 46, 13344-13353.	4.6	63
141	PCDD/F release during benthic trawler-induced sediment resuspension. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2780-2787.	2.2	8
142	Calibration and use of the polar organic chemical integrative sampler—a critical review. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2724-2738.	2.2	247
143	Development of a Passive Sampler for Monitoring of Carbamate and s-Triazine Pesticides in Surface Waters. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5071-5085.	1.1	4
144	Influence of nearshore dynamics on the distribution of organic wastewater-associated chemicals in Lake Ontario determined using passive samplers. <i>Journal of Great Lakes Research</i> , 2012, 38, 105-115.	0.8	33
145	Sorption Behavior of Charged and Neutral Polar Organic Compounds on Solid Phase Extraction Materials: Which Functional Group Governs Sorption?. <i>Environmental Science & Technology</i> , 2012, 46, 954-961.	4.6	82
146	Dioxin analysis in water by using a passive sampler and CALLUX bioassay. <i>Talanta</i> , 2012, 88, 73-78.	2.9	9
147	Post-incident monitoring to evaluate environmental damage from shipping incidents: Chemical and biological assessments. <i>Journal of Environmental Management</i> , 2012, 109, 136-153.	3.8	38

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148	Occurrence, bioavailability and toxic effects of trace metals and organic contaminants in mangrove ecosystems: A review. <i>Environment International</i> , 2012, 48, 84-101.	4.8	315
150	Pharmaceuticals, alkylphenols and pesticides in Mediterranean coastal waters: Results from a pilot survey using passive samplers. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 114, 82-92.	0.9	106
151	Impact of the Deepwater Horizon Oil Spill on Bioavailable Polycyclic Aromatic Hydrocarbons in Gulf of Mexico Coastal Waters. <i>Environmental Science & Technology</i> , 2012, 46, 2033-2039.	4.6	299
152	Passive Sampling of Organic Contaminants in Waters. , 2012, , 265-280.		0
153	Passive Sampling for Inorganic Contaminants in Water. , 2012, , 281-296.		3
154	Seawater Organic Contaminants. , 2012, , 297-316.		3
155	Pharmaceuticals in Rivers of Two Regions with Contrasted Socio-Economic Conditions: Occurrence, Accumulation, and Comparison for Ukraine and France. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2111-2124.	1.1	75
156	Development of a new time-integrative sampler using in situ solvent extraction. <i>Chemosphere</i> , 2012, 86, 190-197.	4.2	2
157	Determination of the uptake and release rates of multifamilies of endocrine disruptor compounds on the polar C18 Chemcatcher. Three potential performance reference compounds to monitor polar pollutants in surface water by integrative sampling. <i>Journal of Chromatography A</i> , 2012, 1237, 37-45.	1.8	23
158	Evaluation of diffusive gradients in thin-films (DGTs) as a monitoring tool for the assessment of the chemical status of transitional waters within the Water Framework Directive. <i>Marine Pollution Bulletin</i> , 2012, 64, 31-39.	2.3	40
159	Determination of deployment specific chemical uptake rates for SPMD and PDMS using a passive flow monitor. <i>Marine Pollution Bulletin</i> , 2012, 64, 1005-1011.	2.3	27
160	Analytical capabilities of laboratory, benchtop and handheld X-ray fluorescence systems for detection of metals in aqueous samples pre-concentrated with solid-phase extraction disks. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 67, 17-23.	1.5	38
161	Annual variability in the radiocarbon age and source of dissolved CO ₂ in a peatland stream. <i>Science of the Total Environment</i> , 2012, 427-428, 277-285.	3.9	27
162	Chemical calibration, performance, validation and applications of the polar organic chemical integrative sampler (POCIS) in aquatic environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 144-175.	5.8	163
163	An in situ intercomparison exercise on passive samplers for monitoring metals, polycyclic aromatic hydrocarbons and pesticides in surface waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 128-143.	5.8	56
164	Expert opinion on toxicity profiling report from a NORMAN expert group meeting. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 185-191.	1.6	31
165	In-situ calibration of POCIS for the sampling of polar pesticides and metabolites in surface water. <i>Talanta</i> , 2013, 116, 495-500.	2.9	59
166	Distribution of steroid- and dioxin-like activities between sediments, POCIS and SPMD in a French river subject to mixed pressures. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2784-2794.	2.7	30

#	ARTICLE	IF	CITATIONS
167	Overview of passive Chemcatcher sampling with SPE pretreatment suitable for the analysis of NPEOs and NPs. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1207-1218.	2.7	16
169	Determination of polycyclic aromatic hydrocarbons in solid matrices using automated cold fiber headspace solid phase microextraction technique. <i>Journal of Chromatography A</i> , 2013, 1307, 66-72.	1.8	30
170	Velocity Dependent Passive Sampling for Monitoring of Micropollutants in Dynamic Stormwater Discharges. <i>Environmental Science & Technology</i> , 2013, 47, 12958-12965.	4.6	9
171	Performance of a passive sampler for the determination of time averaged concentrations of nitrate and phosphate in water. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 955.	1.7	17
172	Investigating the significance of dissolved organic contaminants in aquatic environments: Coupling passive sampling with in vitro bioassays. <i>Chemosphere</i> , 2013, 90, 210-219.	4.2	26
173	Novel silica sol-gel passive sampler for mercury monitoring in aqueous systems. <i>Chemosphere</i> , 2013, 90, 323-328.	4.2	6
174	Application of ionic liquids for the extraction and passive sampling of endocrine-disrupting chemicals from sediments. <i>Journal of Soils and Sediments</i> , 2013, 13, 450-459.	1.5	11
175	Stability of pharmaceuticals and other polar organic compounds stored on polar organic chemical integrative samplers and solid-phase extraction cartridges. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 337-344.	2.2	46
176	Should silicone prostheses be considered for specimen banking? A pilot study into their use for human biomonitoring. <i>Environment International</i> , 2013, 59, 462-468.	4.8	13
177	In situ application of stir bar sorptive extraction as a passive sampling technique for the monitoring of agricultural pesticides in surface waters. <i>Science of the Total Environment</i> , 2013, 463-464, 829-835.	3.9	36
178	Application of a silicone rubber passive sampling technique for monitoring PAHs and PCBs at three Belgian coastal harbours. <i>Chemosphere</i> , 2013, 91, 390-398.	4.2	53
179	Using SPMDs to monitor the seawater concentrations of PAHs and PCBs in marine protected areas (Western Mediterranean). <i>Marine Pollution Bulletin</i> , 2013, 75, 69-75.	2.3	32
180	Mechanism and application of solid phase adsorption toxin tracking for monitoring microcystins. <i>Journal of Chromatography A</i> , 2013, 1300, 159-164.	1.8	20
181	Calibration and field test of the Polar Organic Chemical Integrative Samplers for the determination of 15 endocrine disrupting compounds in wastewater and river water with special focus on performance reference compounds (PRC). <i>Water Research</i> , 2013, 47, 2851-2862.	5.3	40
182	Applicability of polar organic compound integrative samplers for monitoring pesticides in groundwater. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5220-5228.	2.7	26
183	Current research in urban hydrogeology – A review. <i>Advances in Water Resources</i> , 2013, 51, 280-291.	1.7	137
184	Occurrence and potential combined toxicity of dissolved organic contaminants in the Forth estuary and Firth of Forth, Scotland assessed using passive samplers and an algal toxicity test. <i>Science of the Total Environment</i> , 2013, 461-462, 230-239.	3.9	15
185	Assessment of flame retardants in river water using a ceramic dosimeter passive sampler. <i>Environmental Pollution</i> , 2013, 172, 163-169.	3.7	47

#	ARTICLE	IF	CITATIONS
186	Integrative environmental assessment of the impact of Pasaia harbour activities on the Oiartzun estuary (southeastern Bay of Biscay). <i>Journal of Marine Systems</i> , 2013, 109-110, S252-S260.	0.9	19
187	Identification of selected organic contaminants in streams associated with agricultural activities and comparison between autosampling and silicone rubber passive sampling. <i>Science of the Total Environment</i> , 2013, 445-446, 261-272.	3.9	24
188	In Vivo Passive Sampling of Nonpolar Contaminants in Brown Trout (<i>Salmo trutta</i>). <i>Environmental Science & Technology</i> , 2013, 47, 11660-11667.	4.6	26
189	Assessing ongoing sources of dissolved-phase polychlorinated biphenyls in a contaminated stream. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 535-540.	2.2	4
190	Passive sampling for target and nontarget analyses of moderately polar and nonpolar substances in water. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1718-1726.	2.2	61
191	Polydimethylsiloxane Rods for the Passive Sampling of Pesticides in Surface Waters. <i>Water (Switzerland)</i> , 2013, 5, 1366-1379.	1.2	3
193	Effect of water velocity on the uptake of polychlorinated biphenyls (PCBs) by silicone rubber (SR) and low-density polyethylene (LDPE) passive samplers: An assessment of the efficiency of performance reference compounds (PRCs) in river-like flow conditions. <i>Science of the Total Environment</i> , 2014, 499, 319-326.	3.9	26
194	Picogram per liter detections of pyrethroids and organophosphates in surface waters using passive sampling. <i>Water Research</i> , 2014, 66, 411-422.	5.3	45
195	Investigating the temporal trends in PAH, PCB and OCP concentrations in Hartbeespoort Dam, South Africa, using semipermeable membrane devices (SPMDs). <i>Water S A</i> , 2014, 40, 425.	0.2	20
196	Analytical Method Development for the Screening and Determination of Dioxins in Clay Matrices. <i>Clean - Soil, Air, Water</i> , 2014, 42, 979-985.	0.7	3
197	FerryBox systems: State-of-the-art in Europe and future development. <i>Journal of Marine Systems</i> , 2014, 140, 4-12.	0.9	71
198	Measurement of naphthenic acids in the receiving waters around an offshore oil platform by passive sampling. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1946-1949.	2.2	11
199	Passive Sampling Technologies for the Monitoring of Organic and Inorganic Contaminants in Seawater. , 2014, , 217-237.		6
200	Enhancement of toxic effects of phenanthrene to <i>Daphnia magna</i> due to the presence of suspended sediment. <i>Chemosphere</i> , 2014, 104, 162-169.	4.2	35
201	Assessment of Envi-Carb, as a passive sampler binding phase for acid herbicides without pH adjustment. <i>Chemosphere</i> , 2014, 103, 306-312.	4.2	8
202	Use of passive stir bar sorptive extraction as a simple integrative sampling technique of pesticides in freshwaters: Determination of sampling rates and lag-phases. <i>Journal of Chromatography A</i> , 2014, 1333, 1-8.	1.8	27
203	Evaluations of combined zebrafish (<i>Danio rerio</i>) embryo and marine phytoplankton (<i>Diatom</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 . <i>Environmental Science and Pollution Research</i> , 2014, 21, 5537-5546.	2.7	7
204	Atrazine contamination at the watershed scale and environmental factors affecting sampling rates of the polar organic chemical integrative sampler (POCIS). <i>Environmental Pollution</i> , 2014, 189, 134-142.	3.7	63

#	ARTICLE	IF	CITATIONS
205	Environmental monitoring of selected pesticides and organic chemicals in urban stormwater recycling systems using passive sampling techniques. <i>Journal of Contaminant Hydrology</i> , 2014, 158, 65-77.	1.6	39
206	New device for time-averaged measurement of volatile organic compounds (VOCs). <i>Science of the Total Environment</i> , 2014, 485-486, 720-725.	3.9	11
207	Analytical Methodology of POPs. , 2014, , 59-139.		5
208	Development of a passive sampler for Zinc(II) in urban pond waters using a polymer inclusion membrane. <i>Environmental Pollution</i> , 2014, 193, 233-239.	3.7	37
209	Passive sampling methods for contaminated sediments: State of the science for organic contaminants. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 167-178.	1.6	101
210	Ethylene vinyl acetate polymer as a tool for passive sampling monitoring of hydrophobic chemicals in the salmon farm industry. <i>Marine Pollution Bulletin</i> , 2014, 88, 174-179.	2.3	14
211	Calibration and field application of passive sampling for episodic exposure to polar organic pesticides in streams. <i>Environmental Pollution</i> , 2014, 194, 196-202.	3.7	43
212	Monitoring polycyclic aromatic hydrocarbons in the Northeast Aegean Sea using <i>Posidonia oceanica</i> seagrass and synthetic passive samplers. <i>Marine Pollution Bulletin</i> , 2014, 87, 338-344.	2.3	24
213	Improvements in pollutant monitoring: Optimizing silicone for co-deployment with polyethylene passive sampling devices. <i>Environmental Pollution</i> , 2014, 193, 71-78.	3.7	27
214	Can POCIS be used in Water Framework Directive (2000/60/EC) monitoring networks? A study focusing on pesticides in a French agricultural watershed. <i>Science of the Total Environment</i> , 2014, 497-498, 282-292.	3.9	82
215	Assessment of bioavailable fraction of POPS in surface water bodies in Johannesburg City, South Africa, using passive samplers: an initial assessment. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5639-5653.	1.3	16
216	Use of continuous and grab sample data for calculating total maximum daily load (TMDL) in agricultural watersheds. <i>Chemosphere</i> , 2014, 99, 81-88.	4.2	7
217	Application of Polar Organic Chemical Integrative Sampler (POCIS) to monitor emerging contaminants in tropical waters. <i>Science of the Total Environment</i> , 2014, 482-483, 15-22.	3.9	53
218	Study of different Chemcatcher configurations in the monitoring of nonylphenol ethoxylates and nonylphenol in aquatic environment. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9182-9192.	2.7	9
219	Evaluation of DGT as a long-term water quality monitoring tool in natural waters; uranium as a case study. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 393.	1.7	28
220	Simultaneous Measurement of Trace Metal and Oxyanion Concentrations in Water using Diffusive Gradients in Thin Films with a Chelex®Metsorb Mixed Binding Layer. <i>Analytical Chemistry</i> , 2014, 86, 427-434.	3.2	54
221	Nested monitoring approaches to delineate groundwater trichloroethene discharge to a UK lowland stream at multiple spatial scales. <i>Journal of Contaminant Hydrology</i> , 2014, 158, 38-54.	1.6	31
222	Passive sampling of perfluorinated chemicals in water: In-situ calibration. <i>Environmental Pollution</i> , 2014, 186, 98-103.	3.7	34

#	ARTICLE	IF	CITATIONS
223	A simple recirculating flow system for the calibration of polar organic chemical integrative samplers (POCIS): Effect of flow rate on different water pollutants. <i>Talanta</i> , 2014, 120, 30-33.	2.9	51
224	Study of genetic damage in the Japanese oyster induced by an environmentally-relevant exposure to diuron: Evidence of vertical transmission of DNA damage. <i>Aquatic Toxicology</i> , 2014, 146, 93-104.	1.9	68
225	Methodology for profiling anti-androgen mixtures in river water using multiple passive samplers and bioassay-directed analyses. <i>Water Research</i> , 2014, 57, 258-269.	5.3	46
226	Sampling trace organic compounds in water: A comparison of a continuous active sampler to continuous passive and discrete sampling methods. <i>Science of the Total Environment</i> , 2014, 473-474, 731-741.	3.9	37
227	Monitoring Total Dissolved Hydrocarbons in Seawater around Offshore Oil and Gas Facilities. , 2014, , .		1
228	Hydrogel-swelling driven delivery device for corrosion resistance of metal in water. <i>Water Science and Technology</i> , 2015, 72, 2270-2276.	1.2	1
229	Assessment of Sediment Toxicity with SPME-Based Approaches. <i>Comprehensive Analytical Chemistry</i> , 2015, 67, 161-194.	0.7	1
230	Modeling Compound Loss from Polydimethylsiloxane Passive Samplers. <i>Chromatography (Basel)</i> , 2015, 2, 611-624.	1.2	7
231	Calibration of a passive, in situ, integrative sampler for monitoring of microbial biotoxins in aquatic environments. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 1353-1367.	1.0	2
232	Current Challenges in Volatile Organic Compounds Analysis as Potential Biomarkers of Cancer. <i>Journal of Biomarkers</i> , 2015, 2015, 1-16.	1.0	124
233	A low cost method to detect polluted surface water outfalls and misconnected drainage. <i>Water and Environment Journal</i> , 2015, 29, 202-206.	1.0	12
234	Anthropogenic Trace Compounds (ATCs) in aquatic habitats " Research needs on sources, fate, detection and toxicity to ensure timely elimination strategies and risk management. <i>Environment International</i> , 2015, 79, 85-105.	4.8	86
235	Low density polyethylene (LDPE) passive samplers for the investigation of polychlorinated biphenyl (PCB) point sources in rivers. <i>Chemosphere</i> , 2015, 118, 268-276.	4.2	11
236	Effect of the orientation and fluid flow on the accumulation of organotin compounds to Chemcatcher passive samplers. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 813-824.	1.7	15
237	Improvement of POCIS ability to quantify pesticides in natural water by reducing polyethylene glycol matrix effects from polyethersulfone membranes. <i>Talanta</i> , 2015, 144, 1316-1323.	2.9	37
238	Sample preparation with solid phase microextraction and exhaustive extraction approaches: Comparison for challenging cases. <i>Analytica Chimica Acta</i> , 2015, 873, 14-30.	2.6	160
239	Field application of passive SBSE for the monitoring of pesticides in surface waters. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3997-4008.	2.7	7
240	Comprehensive two-dimensional liquid chromatography coupled to high resolution time of flight mass spectrometry for chemical characterization of sewage treatment plant effluents. <i>Journal of Chromatography A</i> , 2015, 1380, 139-145.	1.8	41

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241	Contamination of stormwater by wastewater: A review of detection methods. <i>Journal of Environmental Management</i> , 2015, 152, 241-250.	3.8	73
242	How to Improve Exposure Assessment. , 2015, , 77-102.		1
243	Optimization of the Temperature for the Extraction of Pharmaceuticals from Wastewater by a Hollow Fiber Silicone Membrane. <i>Analytical Letters</i> , 2015, 48, 2343-2356.	1.0	13
244	Laboratory calibration of twelve pesticides using polar organic chemical integrative samplers. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1230-1241.	1.8	5
245	Comparison of marine sampling methods for organic contaminants: Passive samplers, water extractions, and live oyster deployment. <i>Marine Environmental Research</i> , 2015, 109, 148-158.	1.1	12
246	Position paper on passive sampling techniques for the monitoring of contaminants in the aquatic environment – Achievements to date and perspectives. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 8, 20-26.	5.3	92
247	Characterization of five passive sampling devices for monitoring of pesticides in water. <i>Journal of Chromatography A</i> , 2015, 1405, 1-11.	1.8	114
248	Occurrence of pharmaceutical compounds and pesticides in aquatic systems. <i>Marine Pollution Bulletin</i> , 2015, 96, 384-400.	2.3	104
249	Coupling passive sampling and time of flight mass spectrometry for a better estimation of polar pesticide freshwater contamination: Simultaneous target quantification and screening analysis. <i>Journal of Chromatography A</i> , 2015, 1387, 75-85.	1.8	45
250	Calibration of Chemcatcher® passive sampler for selected highly hydrophobic organic substances under fresh and sea water conditions. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 218-226.	1.2	9
251	Multi-residue analysis of legacy POPs and emerging organic contaminants in Singapore's coastal waters using gas chromatography–triple quadrupole tandem mass spectrometry. <i>Science of the Total Environment</i> , 2015, 523, 219-232.	3.9	53
252	Challenges in effect-directed analysis with a focus on biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 179-191.	5.8	45
253	High-frequency, long-duration water sampling in acid mine drainage studies: A short review of current methods and recent advances in automated water samplers. <i>Applied Geochemistry</i> , 2015, 59, 118-124.	1.4	12
254	Nanogold-Decorated Silica Monoliths as Highly Efficient Solid-Phase Adsorbent for Ultratrace Mercury Analysis in Natural Waters. <i>Analytical Chemistry</i> , 2015, 87, 11122-11129.	3.2	21
255	Evaluating cost when selecting performance reference compounds for the environmental deployment of polyethylene passive samplers. <i>Integrated Environmental Assessment and Management</i> , 2015, 11, 256-265.	1.6	3
256	Accelerated solvent extraction (ASE) for purification and extraction of silicone passive samplers used for the monitoring of organic pollutants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19887-19895.	2.7	12
257	In vivo contaminant partitioning to silicone implants: Implications for use in biomonitoring and body burden. <i>Environment International</i> , 2015, 85, 182-188.	4.8	9
258	Pesticide impact on aquatic invertebrates identified with Chemcatcher® passive samplers and the SPEARpesticides index. <i>Science of the Total Environment</i> , 2015, 537, 69-80.	3.9	51

#	ARTICLE	IF	CITATIONS
259	Laboratory calibration and field testing of the Chemcatcher-Metal for trace levels of rare earth elements in estuarine waters. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16051-16059.	2.7	7
260	Chromatographic methods for the isolation, separation and characterisation of dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1531-1567.	1.7	52
261	Emerging priority substances in the aquatic environment: a role for passive sampling in supporting WFD monitoring and compliance. <i>Analytical Methods</i> , 2015, 7, 7976-7984.	1.3	31
262	Development of a new passive sampler based on diffusive milligel beads for copper analysis in water. <i>Analytica Chimica Acta</i> , 2015, 890, 117-123.	2.6	9
263	Passive samplers of hydrophobic organic chemicals reach equilibrium faster in the laboratory than in the field. <i>Marine Pollution Bulletin</i> , 2015, 98, 365-367.	2.3	16
264	Evaluation of diffusive gradients in thin-films using a Diphonix® resin for monitoring dissolved uranium in natural waters. <i>Analytica Chimica Acta</i> , 2015, 854, 78-85.	2.6	16
265	Innovative sampling and extraction methods for the determination of nonsteroidal anti-inflammatory drugs in water. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 100-106.	1.4	32
266	Estimates of pesticide concentrations and fluxes in two rivers of an extensive French multi-agricultural watershed: application of the passive sampling strategy. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8044-8057.	2.7	57
267	Assessment of Alternative Devices for Trace Hydrocarbon Monitoring in the Environment Around Offshore Oil and Gas Facilities. , 2016, , .		1
268	Improving Toxicity Assessment of Pesticide Mixtures: The Use of Polar Passive Sampling Devices Extracts in Microalgae Toxicity Tests. <i>Frontiers in Microbiology</i> , 2016, 7, 1388.	1.5	17
270	Evaluation of the availability of bound analyte for passive sampling in the presence of mobile binding matrix. <i>Analytica Chimica Acta</i> , 2016, 917, 19-26.	2.6	5
271	An ecological risk assessment of pesticides and fish kills in the Sixaola watershed, Costa Rica. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5983-5991.	2.7	20
272	Uptake calibration of polymer-based passive samplers for monitoring priority and emerging organic non-polar pollutants in WWTP effluents. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3165-3175.	1.9	12
273	Development of a passive sampler based on a polymer inclusion membrane for total ammonia monitoring in freshwaters. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3213-3222.	1.9	41
274	Big data opportunities and challenges for assessing multiple stressors across scales in aquatic ecosystems. <i>Marine and Freshwater Research</i> , 2016, 67, 393.	0.7	69
275	In situ calibration of three passive samplers for the monitoring of steroid hormones in wastewater. <i>Talanta</i> , 2016, 161, 405-412.	2.9	24
276	An in-situ assessment of low-density polyethylene and silicone rubber passive samplers using methods with and without performance reference compounds in the context of investigation of polychlorinated biphenyl sources in rivers. <i>Science of the Total Environment</i> , 2016, 572, 794-803.	3.9	12
277	Comparisons of discrete and integrative sampling accuracy in estimating pulsed aquatic exposures. <i>Environmental Pollution</i> , 2016, 218, 749-756.	3.7	8

#	ARTICLE	IF	CITATIONS
278	Carbon Nanotube Integrative Sampler (CNIS) for passive sampling of nanosilver in the aquatic environment. <i>Science of the Total Environment</i> , 2016, 569-570, 223-233.	3.9	9
279	Drugs of abuse in drinking water – a review of current detection methods, occurrence, elimination and health risks. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 232-240.	5.8	24
280	Evaluating the Relationship between Equilibrium Passive Sampler Uptake and Aquatic Organism Bioaccumulation. <i>Environmental Science & Technology</i> , 2016, 50, 11437-11451.	4.6	44
281	Evaluation of spot and passive sampling for monitoring, flux estimation and risk assessment of pesticides within the constraints of a typical regulatory monitoring scheme. <i>Science of the Total Environment</i> , 2016, 569-570, 1369-1379.	3.9	38
282	Diffusive Milli-Gels (DMG) for in situ assessment of metal bioavailability: A comparison with labile metal measurement using Chelex columns and acute toxicity to <i>Ceriodaphnia dubia</i> for copper in freshwaters. <i>Chemosphere</i> , 2016, 164, 7-13.	4.2	8
283	Novel DGT method with tri-metal oxide adsorbent for in situ spatiotemporal flux measurement of fluoride in waters and sediments. <i>Water Research</i> , 2016, 99, 200-208.	5.3	25
284	Combination of sorption properties of polydimethylsiloxane and solid-phase extraction sorbents in a single composite material for the passive sampling of polar and apolar pesticides in water. <i>Journal of Separation Science</i> , 2016, 39, 3990-3997.	1.3	8
285	In Situ Calibration of a New Chemcatcher Configuration for the Determination of Polar Organic Micropollutants in Wastewater Effluent. <i>Environmental Science & Technology</i> , 2016, 50, 9469-9478.	4.6	39
286	Combining Passive Sampling with Toxicological Characterization of Complex Mixtures of Pollutants from the Aquatic Environment. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, 157, 225-261.	0.6	6
287	Passive Sampling in Regulatory Chemical Monitoring of Nonpolar Organic Compounds in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2016, 50, 3-17.	4.6	131
288	Assessment of presence, origin and seasonal variations of persistent organic pollutants in groundwater by means of passive sampling and multivariate statistical analysis. <i>Journal of Geochemical Exploration</i> , 2016, 170, 78-93.	1.5	10
289	Characterization of performance reference compound kinetics and analyte sampling rate corrections under three flow regimes using nylon organic chemical integrative samplers. <i>Journal of Chromatography A</i> , 2016, 1466, 1-11.	1.8	8
290	Suitability of passive sampling for the monitoring of pharmaceuticals in Finnish surface waters. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18043-18054.	2.7	11
291	The First Attempt at Non-Linear in Silico Prediction of Sampling Rates for Polar Organic Chemical Integrative Samplers (POCIS). <i>Environmental Science & Technology</i> , 2016, 50, 7973-7981.	4.6	38
292	Determining time-weighted average concentrations of nitrate and ammonium in freshwaters using DGT with ion exchange membrane-based binding layers. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1530-1539.	1.7	15
293	Diffusive Gradients in Thin Films – Techniques Provide Representative Time-Weighted Average Measurements of Inorganic Nutrients in Dynamic Freshwater Systems. <i>Environmental Science & Technology</i> , 2016, 50, 13446-13454.	4.6	24
294	Use of a versatile, easy, and rapid atmospheric monitor (VERAM) passive samplers for pesticide determination in continental waters. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8495-8503.	1.9	1
295	Extraction for analytical scale sample preparation (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 649-687.	0.9	42

#	ARTICLE	IF	CITATIONS
296	Development and Calibration of an Organic-Diffusive Gradients in Thin Films Aquatic Passive Sampler for a Diverse Suite of Polar Organic Contaminants. <i>Analytical Chemistry</i> , 2016, 88, 10583-10591.	3.2	139
297	Development of passive sampling devices for bioavailable contaminants of current and emerging concern: Waitemata Harbour case study. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2016, 50, 526-548.	0.8	8
298	The use of multilevel sampling techniques for determining shallow aquifer nitrate profiles. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20431-20448.	2.7	24
299	A critical review of solid phase microextraction for analysis of water samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 133-143.	5.8	162
300	In situ speciation of dissolved inorganic antimony in surface waters and sediment porewaters: development of a thiol-based diffusive gradients in thin films technique for Sb(III). <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 992-998.	1.7	15
301	How is ecosystem health defined and measured? A critical review of freshwater and estuarine studies. <i>Ecological Indicators</i> , 2016, 69, 722-729.	2.6	106
302	Calibration of nylon organic chemical integrative samplers and sentinel samplers for quantitative measurement of pulsed aquatic exposures. <i>Journal of Chromatography A</i> , 2016, 1449, 109-117.	1.8	21
303	Development of <i>Helisoma trivolvis</i> pond snails as biological samplers for biomonitoring of current-use pesticides. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2320-2329.	2.2	5
304	Temperature dependence on the pesticide sampling rate of polar organic chemical integrative samplers (POCIS). <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2069-2075.	0.6	27
305	Strategies for Transferring Mixtures of Organic Contaminants from Aquatic Environments into Bioassays. <i>Environmental Science & Technology</i> , 2016, 50, 5424-5431.	4.6	44
306	Realistic environmental mixtures of hydrophobic compounds do not alter growth of a marine diatom. <i>Marine Pollution Bulletin</i> , 2016, 102, 58-64.	2.3	11
307	Apparatus and method for time-integrated, active sampling of contaminants in fluids demonstrated by monitoring of hexavalent chromium in groundwater. <i>Science of the Total Environment</i> , 2016, 556, 45-52.	3.9	4
308	Population-level consequences for wild fish exposed to sublethal concentrations of chemicals – a critical review. <i>Fish and Fisheries</i> , 2016, 17, 545-566.	2.7	119
309	Environmental forensics in groundwater coupling passive sampling and high resolution mass spectrometry for screening. <i>Science of the Total Environment</i> , 2016, 563-564, 845-854.	3.9	56
310	Photodegradation of PAHs in passive water samplers. <i>Marine Pollution Bulletin</i> , 2016, 105, 249-254.	2.3	10
311	Critical review of factors governing data quality of integrative samplers employed in environmental water monitoring. <i>Water Research</i> , 2016, 94, 200-207.	5.3	48
312	Spatial and Temporal Variability in Pesticide Exposure Downstream of a Heavily Irrigated Cropping Area: Application of Different Monitoring Techniques. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3975-3989.	2.4	62
313	Analysis of Dioxin and Dioxin-Like Compounds. <i>Handbook of Environmental Chemistry</i> , 2016, , 51-94.	0.2	2

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314	Implications of observed PBDE diffusion coefficients in low density polyethylene and silicone rubber. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 87-94.	1.7	47
315	Effect-directed analysis supporting monitoring of aquatic environments – An in-depth overview. <i>Science of the Total Environment</i> , 2016, 544, 1073-1118.	3.9	288
316	Ion-imprinted silica adsorbent modified diffusive gradients in thin films technique: Tool for speciation analysis of free lead species. <i>Talanta</i> , 2016, 148, 285-291.	2.9	26
317	Status of PAHs in Environmental Compartments of South Africa: A Country Report. <i>Polycyclic Aromatic Compounds</i> , 2016, 36, 376-394.	1.4	11
318	Overview of the Chemcatcher® for the passive sampling of various pollutants in aquatic environments Part B: Field handling and environmental applications for the monitoring of pollutants and their biological effects. <i>Talanta</i> , 2016, 148, 572-582.	2.9	51
319	Overview of the Chemcatcher® for the passive sampling of various pollutants in aquatic environments Part A: Principles, calibration, preparation and analysis of the sampler. <i>Talanta</i> , 2016, 148, 556-571.	2.9	77
320	How do PDMS-coated stir bars used as passive samplers integrate concentration peaks of pesticides in freshwater?. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6844-6852.	2.7	2
321	Adsorption of norovirus and ostreid herpesvirus type 1 to polymer membranes for the development of passive samplers. <i>Journal of Applied Microbiology</i> , 2017, 122, 1039-1047.	1.4	23
322	Laboratory calibration of a POCIS-like sampler based on molecularly imprinted polymers for glyphosate and AMPA sampling in water. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2029-2035.	1.9	24
323	Equilibrium partitioning of organic compounds to OASIS HLB® as a function of compound concentration, pH, temperature and salinity. <i>Chemosphere</i> , 2017, 174, 297-305.	4.2	48
324	Development of a macroporous ceramic passive sampler for the monitoring of cytostatic drugs in water. <i>Chemosphere</i> , 2017, 182, 681-690.	4.2	21
325	Development of a passive sensor for measuring vertical cumulative water and solute mass fluxes in lake sediments and streambeds. <i>Advances in Water Resources</i> , 2017, 105, 1-12.	1.7	8
326	Passive sampling as a tool for identifying micro-organic compounds in groundwater. <i>Science of the Total Environment</i> , 2017, 593-594, 722-734.	3.9	18
327	Time Weighted Average Concentration Monitoring Based on Thin Film Solid Phase Microextraction. <i>Environmental Science & Technology</i> , 2017, 51, 3929-3937.	4.6	30
328	Tetraphasic polar organic chemical integrative sampler for the determination of a wide polarity range organic pollutants in water. The use of performance reference compounds and in-situ calibration. <i>Talanta</i> , 2017, 164, 314-322.	2.9	19
329	Use of low density polyethylene membranes for assessment of genotoxicity of PAHs in the Seine River. <i>Ecotoxicology</i> , 2017, 26, 165-172.	1.1	4
330	Development of a silicone-membrane passive sampler for monitoring cylindrospermopsin and microcystin LR-YR-RR in natural waters. <i>Physics and Chemistry of the Earth</i> , 2017, 100, 189-200.	1.2	0
331	Aquatic Global Passive Sampling (AQUA-GAPS) Revisited: First Steps toward a Network of Networks for Monitoring Organic Contaminants in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2017, 51, 1060-1067.	4.6	61

#	ARTICLE	IF	CITATIONS
332	DGT Passive Sampling for Quantitative in Situ Measurements of Compounds from Household and Personal Care Products in Waters. <i>Environmental Science & Technology</i> , 2017, 51, 13274-13281.	4.6	79
333	Presence of active pharmaceutical ingredients in the continuum of surface and ground water used in drinking water production. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26778-26791.	2.7	23
334	A modified DGT technique for the simultaneous measurement of dissolved inorganic nitrogen and phosphorus in freshwaters. <i>Analytica Chimica Acta</i> , 2017, 988, 17-26.	2.6	28
335	Emerging investigator series: development and application of polymeric electrospun nanofiber mats as equilibrium-passive sampler media for organic compounds. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1445-1456.	1.7	12
336	Polymer inclusion membranes (PIMs) in chemical analysis - A review. <i>Analytica Chimica Acta</i> , 2017, 987, 1-14.	2.6	129
337	Comparison of POCIS passive samplers vs. composite water sampling: A case study. <i>Science of the Total Environment</i> , 2017, 609, 982-991.	3.9	52
338	Comparison of passive sampling and biota for monitoring of tonalide in aquatic environment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22251-22257.	2.7	3
340	Proliferation, survival and cell death in fish gills remodeling: From injury to recovery. <i>Fish and Shellfish Immunology</i> , 2017, 68, 10-18.	1.6	32
341	Continuous low-level aquatic monitoring (CLAM) samplers for pesticide contaminant screening in urban runoff: Analytical approach and a field test case. <i>Chemosphere</i> , 2017, 184, 1028-1035.	4.2	7
342	Application of passive sampling devices based on multi-walled carbon nanotubes for the isolation of selected pharmaceuticals and phenolic compounds in water samples – possibilities and limitations. <i>Talanta</i> , 2017, 164, 700-707.	2.9	16
343	Calibration of Passive Samplers for the Monitoring of Pharmaceuticals in Water-Sampling Rate Variation. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 204-222.	1.8	38
344	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. <i>Science of the Total Environment</i> , 2017, 576, 720-737.	3.9	255
345	Specifics and challenges of assessing exposure and effects of pesticides in small water bodies. <i>Hydrobiologia</i> , 2017, 793, 213-224.	1.0	74
346	Integrated modeling in urban hydrology: reviewing the role of monitoring technology in overcoming the issue of “big data” requirements. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1177.	2.8	16
347	An overview of ecological monitoring based on geographic information system (GIS) and remote sensing (RS) technology in China. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 94, 012056.	0.2	8
348	Applicability of Passive Sampler Disks for Collection of Time-integrated River Water Samples for Toxicity Bioassay. <i>Journal of Water and Environment Technology</i> , 2017, 15, 129-142.	0.3	0
349	Passive Sampling for Freshwater and Marine Algal Toxins. <i>Comprehensive Analytical Chemistry</i> , 2017, 78, 379-409.	0.7	14
350	Application of Passive Sampling to Characterise the Fish Exometabolome. <i>Metabolites</i> , 2017, 7, 8.	1.3	4

#	ARTICLE	IF	CITATIONS
351	Water Pollution Control Technologies. , 2017, , 3-22.		9
352	Green Sample Collection. , 2017, , 379-414.		0
353	Considerations for Measuring Exposure to Chemical Mixtures. , 2018, , 37-80.		4
354	Investigation of polar organic chemical integrative sampler (POCIS) flow rate dependence for munition constituents in underwater environments. Environmental Monitoring and Assessment, 2018, 190, 171.	1.3	7
355	Grab and passive sampling applied to pesticide analysis in the São Lourenço river headwater in Campo Verde “ MT, Brazil. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 237-245.	0.7	7
356	A 3D-printed self-propelled, highly sensitive mini-motor for underwater pesticide detection. Talanta, 2018, 183, 297-303.	2.9	15
357	Investigation and application of diffusive gradients in thin-films technique for measuring endocrine disrupting chemicals in seawaters. Chemosphere, 2018, 200, 351-357.	4.2	48
358	An integrative approach combining passive sampling, bioassays, and effect-directed analysis to assess the impact of wastewater effluent. Environmental Toxicology and Chemistry, 2018, 37, 2079-2088.	2.2	33
359	Untargeted approach for the evaluation of anthropic impact on the sheltered marine area of Portofino (Italy). Marine Pollution Bulletin, 2018, 131, 87-94.	2.3	24
360	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.	3.9	26
361	Evaluation of polar organic chemical integrative and hollow fibre samplers for the determination of a wide variety of organic polar compounds in seawater. Talanta, 2018, 185, 469-476.	2.9	26
362	Food web contaminant dynamics of a large Atlantic Slope river: Implications for common and imperiled species. Science of the Total Environment, 2018, 633, 1062-1077.	3.9	18
363	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. Science of the Total Environment, 2018, 627, 905-915.	3.9	25
364	Passive sampling for monitoring polar organic pollutants in water by three typical samplers. Trends in Environmental Analytical Chemistry, 2018, 17, 23-33.	5.3	64
365	Risk assessment of pesticides in estuaries: a review addressing the persistence of an old problem in complex environments. Ecotoxicology, 2018, 27, 1008-1018.	1.1	29
366	Novel Fe ₃ O ₄ nanoparticles-based DGT device for dissolved reactive phosphate measurement. New Journal of Chemistry, 2018, 42, 2874-2881.	1.4	8
367	Combining ex-ante LCA and EHS screening to assist green design: A case study of cellulose nanocrystal foam. Journal of Cleaner Production, 2018, 178, 494-506.	4.6	23
368	Characterizing Sorption and Permeation Properties of Membrane Filters Used for Aquatic Integrative Passive Samplers. Environmental Science & Technology, 2018, 52, 2118-2125.	4.6	36

#	ARTICLE	IF	CITATIONS
369	Gas-diffusion-based passive sampler for ammonia monitoring in marine waters. <i>Talanta</i> , 2018, 181, 52-56.	2.9	13
370	Design and characterization of macroporous alumina membranes for passive samplers of water contaminants. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1853-1859.	2.8	5
371	Field validation of POCIS for monitoring at underwater munitions sites. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2257-2267.	2.2	20
372	Determining the suitability of a polar organic chemical integrated sampler (POCIS) for the detection of pesticide residue in the Ishikawa River and its tributary in Osaka, Japan. <i>Journal of Pesticide Sciences</i> , 2018, 43, 18-23.	0.8	13
373	Aromatic hydrocarbons in air, water, and soil: Sampling and pretreatment techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 56-73.	5.8	28
374	Neonicotinoid pesticides in drinking water in agricultural regions of southern Ontario, Canada. <i>Chemosphere</i> , 2018, 202, 506-513.	4.2	98
375	Diffusive gradients in thin-films (DGT) for in situ sampling of selected endocrine disrupting chemicals (EDCs) in waters. <i>Water Research</i> , 2018, 137, 211-219.	5.3	97
376	Combining passive sampling and tandem mass spectrometry for the determination of pharmaceuticals and other emerging pollutants in drinking water. <i>Microchemical Journal</i> , 2018, 136, 56-60.	2.3	42
377	Development and evaluation of diffusive gradients in thin films technique for measuring antibiotics in seawater. <i>Science of the Total Environment</i> , 2018, 618, 1605-1612.	3.9	53
378	Kinetic accumulation processes and models for 43 micropollutants in "pharmaceutical" POCIS. <i>Science of the Total Environment</i> , 2018, 615, 197-207.	3.9	42
379	A review on environmental monitoring of water organic pollutants identified by EU guidelines. <i>Journal of Hazardous Materials</i> , 2018, 344, 146-162.	6.5	589
380	Monitoring tylosin and sulfamethazine in a tile-drained agricultural watershed using polar organic chemical integrative sampler (POCIS). <i>Science of the Total Environment</i> , 2018, 612, 358-367.	3.9	17
381	Two sampling strategies for an overview of pesticide contamination in an agriculture-extensive headwater stream. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14280-14293.	2.7	24
382	Investigating and Remediating Contaminated Karst Aquifers. <i>Advances in Karst Science</i> , 2018, , 101-115.	0.3	1
383	Pharmaceuticals and pesticides archived on polar passive sampling devices can be stable for up to 6 years. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 762-767.	2.2	27
384	Assessment of water resource contamination by pesticides in vegetable-producing areas in Burkina Faso. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3681-3694.	2.7	21
385	Calibration and field evaluation of the Chemcatcher® passive sampler for monitoring metaldehyde in surface water. <i>Talanta</i> , 2018, 179, 57-63.	2.9	21
386	Risk estimation and annual fluxes of emerging contaminants from a Scottish priority catchment to the estuary and North Sea. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1987-2005.	1.8	13

#	ARTICLE	IF	CITATIONS
387	In Situ Selective Measurement of Se ^{IV} in Waters and Soils: Diffusive Gradients in Thin-Films with Bi-Functionalized Silica Nanoparticles. <i>Environmental Science & Technology</i> , 2018, 52, 14140-14148.	4.6	18
388	Membrane Techniques: Liquid Membranes. , 2018, , 1-1.		1
389	Time-Integrative Passive sampling combined with TOxicity Profiling (TIPTOP): an effect-based strategy for cost-effective chemical water quality assessment. <i>Environmental Toxicology and Pharmacology</i> , 2018, 64, 48-59.	2.0	21
390	Field Evaluation and in Situ Stress Testing of the Organic-Diffusive Gradients in Thin-Films Passive Sampler. <i>Environmental Science & Technology</i> , 2018, 52, 12573-12582.	4.6	64
391	The application of molecularly imprinted polymers in passive sampling for selective sampling perfluorooctanesulfonic acid and perfluorooctanoic acid in water environment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33309-33321.	2.7	10
392	Lab-scale investigation of the ability of Polar Organic Chemical Integrative Sampler to catch short pesticide contamination peaks. <i>Environmental Science and Pollution Research</i> , 2022, 29, 40-50.	2.7	10
393	Calibration and application of the Chemcatcher [®] passive sampler for monitoring acidic herbicides in the River Exe, UK catchment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25130-25142.	2.7	24
394	Framework for Sampling for Pesticides in Water/Sediments. , 2018, , 283-286.		0
396	Grand Challenges (and Great Opportunities) in Sedimentology, Stratigraphy, and Diagenesis Research. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	26
397	Evaluating organochlorine pesticide residues in the aquatic environment of the Lake Naivasha River basin using passive sampling techniques. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 349.	1.3	14
398	Use of Passive Samplers to Determine the Source of Dissolved PAHs in the Ottawa River, Toledo, Ohio. , 2018, , 465-481.		0
399	Concentrations, fluxes and field calibration of passive water samplers for pesticides and hazard-based risk assessment. <i>Science of the Total Environment</i> , 2018, 637-638, 835-843.	3.9	28
400	Occurrences, sources, and transport of hydrophobic organic contaminants in the waters of Fildes Peninsula, Antarctica. <i>Environmental Pollution</i> , 2018, 241, 950-958.	3.7	37
401	Measuring metaldehyde in surface waters in the UK using two monitoring approaches. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1180-1190.	1.7	14
402	In situ measurement of perfluoroalkyl substances in aquatic systems using diffusive gradients in thin-films technique. <i>Water Research</i> , 2018, 144, 162-171.	5.3	59
403	Inputs, source apportionment, and transboundary transport of pesticides and other polar organic contaminants along the lower Red River, Manitoba, Canada. <i>Science of the Total Environment</i> , 2018, 635, 803-816.	3.9	36
404	Ecotoxicology. , 2018, , 225-239.		1
405	Internal Concentrations in Gammarids Reveal Increased Risk of Organic Micropollutants in Wastewater-Impacted Streams. <i>Environmental Science & Technology</i> , 2018, 52, 10347-10358.	4.6	42

#	ARTICLE	IF	CITATIONS
406	Passive Sampling to Monitor Hazardous Compounds in Water: A Tool for the Risk Assessment of Consuming Aquatic Food. , 2018, , 373-406.		1
407	Development of a portable 3D-printed flow-through passive sampling device free of flow pattern effects. <i>Microchemical Journal</i> , 2018, 143, 359-366.	2.3	20
408	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
409	Semi-continuous pharmaceutical and human tracer monitoring by POCIS sampling at the watershed-scale in an agricultural rural headwater river. <i>Journal of Hazardous Materials</i> , 2018, 360, 106-114.	6.5	26
410	A novel active-passive sampling approach for measuring time-averaged concentrations of pollutants in water. <i>Chemosphere</i> , 2018, 209, 363-372.	4.2	22
411	Coastal water quality assessment and groundwater transport in a subtropical mangrove swamp in Daya Bay, China. <i>Science of the Total Environment</i> , 2019, 646, 1419-1432.	3.9	30
412	Impact of humic acids, temperature and stirring on passive extraction of pharmaceuticals from water by trihexyl(tetradecyl)phosphonium dicyanamide. <i>Microchemical Journal</i> , 2019, 144, 500-505.	2.3	7
413	Current-use pesticides in New Zealand streams: Comparing results from grab samples and three types of passive samplers. <i>Environmental Pollution</i> , 2019, 254, 112973.	3.7	30
414	Single-, Double-, and Triple-Network Macroporous Rubbers as a Passive Sampler. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28317-28326.	4.0	5
415	Evaluating the efficacy of DGT to quantify copper in stormwater at end-of-pipe. <i>Chemosphere</i> , 2019, 235, 1125-1133.	4.2	6
416	Development of an analytical methodology for the determination of organochlorine pesticides by ethylene-vinyl acetate passive samplers in marine surface waters based on ultrasound-assisted solvent extraction followed with headspace solid-phase microextraction and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1605, 360341.	1.8	13
417	Salinity and pH as factors affecting the passive sampling and extraction of pharmaceuticals from water. <i>Journal of Separation Science</i> , 2019, 42, 2949-2956.	1.3	10
418	Methods for Sample Collection, Storage, and Analysis of Freshwater Phosphorus. <i>Water (Switzerland)</i> , 2019, 11, 1889.	1.2	26
419	Theory and modelling approaches to passive sampling. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1618-1641.	1.7	32
420	Multiple evaluation of the potential toxic effects of sediments and biota collected from an oil-polluted area around Abu Ali Island, Saudi Arabia, Arabian Gulf. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109547.	2.9	9
421	PCB mass budget in a perialpine lake undergoing natural decontamination in a context of global change. <i>Science of the Total Environment</i> , 2019, 693, 133590.	3.9	5
422	A Novel Active Sampler Coupling Osmotic Pump and Solid Phase Extraction for in Situ Sampling of Organic Pollutants in Surface Water. <i>Environmental Science & Technology</i> , 2019, 53, 2579-2585.	4.6	13
423	Improper environmental sampling design bias assessments of coastal contamination. <i>Trends in Environmental Analytical Chemistry</i> , 2019, 24, e00068.	5.3	30

#	ARTICLE	IF	CITATIONS
424	Online Conductimetric Flow-Through Analyzer Based on Membrane Diffusion for Ammonia Control in Wastewater Treatment Process. <i>ACS Sensors</i> , 2019, 4, 1881-1888.	4.0	13
425	Effect-based nationwide surface water quality assessment to identify ecotoxicological risks. <i>Water Research</i> , 2019, 159, 434-443.	5.3	49
426	Use of the Chemcatcher® passive sampler and time-of-flight mass spectrometry to screen for emerging pollutants in rivers in Gauteng Province of South Africa. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 388.	1.3	39
427	Simultaneous passive sampling of hydrophilic and hydrophobic emerging organic contaminants in water. <i>Ecotoxicology and Environmental Safety</i> , 2019, 178, 25-32.	2.9	32
428	Rapid assessment of heavy metal pollution using ion-exchange resin sachets and micro-XRF core-scanning. <i>Scientific Reports</i> , 2019, 9, 6601.	1.6	23
429	Evaluation of a semi-permeable membrane device (SPMD) for passive sampling of solar filters from swimming pool waters and determination by HPLC-DAD. <i>Journal of Chromatography A</i> , 2019, 1600, 23-32.	1.8	5
430	Aptamer-based colorimetric detection of various targets based on catalytic Au NPs/Graphene nanohybrids. <i>Sensing and Bio-Sensing Research</i> , 2019, 22, 100258.	2.2	10
431	Exploring the detection of microcystin-LR using polar organic chemical integrative samplers (POCIS). <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 659-666.	1.7	5
432	Time weighted average concentrations measured with Diffusive Gradients in Thin films (DGT). <i>Analytica Chimica Acta</i> , 2019, 1060, 114-124.	2.6	15
433	Distribution trend of trace elements in digestate exposed to air: Laboratory-scale investigations using DGT-based fractionation. <i>Journal of Environmental Management</i> , 2019, 238, 159-165.	3.8	1
434	Passive sampling of polar emerging contaminants in Irish catchments. <i>Water Science and Technology</i> , 2019, 79, 218-230.	1.2	14
435	Passive samplers to quantify micropollutants in sewer overflows: accumulation behaviour and field validation for short pollution events. <i>Water Research</i> , 2019, 160, 350-360.	5.3	26
436	Combination of In Situ Feeding Rate Experiments and Chemical Body Burden Analysis to Assess the Influence of Micropollutants in Wastewater on <i>Gammarus pulex</i> . <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 883.	1.2	5
438	Calibration parameters for the passive sampling of organic UV filters by silicone; diffusion coefficients and silicone-water partition coefficients. <i>Chemosphere</i> , 2019, 223, 731-737.	4.2	16
439	Temperature dependence of the pyro-phototronic effect in self-powered p-Si/n-ZnO nanowires heterojunctioned ultraviolet sensors. <i>Nano Today</i> , 2019, 29, 100798.	6.2	50
440	A new method based on diffusive gradients in thin films for in situ monitoring microcystin-LR in waters. <i>Scientific Reports</i> , 2019, 9, 17528.	1.6	9
441	Mussel Caging and the Weight of Evidence Approach in the Assessment of Chemical Contamination in Coastal Waters of Finland (Baltic Sea). <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	22
442	Two decades of stir bar sorptive extraction: A retrospective and future outlook. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 112, 102-111.	5.8	118

#	ARTICLE	IF	CITATIONS
443	Effective preconcentration of volatile organic compounds from aqueous solutions with polydimethylsiloxane-coated filter paper. <i>Microchemical Journal</i> , 2019, 145, 979-987.	2.3	4
444	Calibration and validation of a novel passive sampling device for the time integrative monitoring of per- and polyfluoroalkyl substances (PFASs) and precursors in contaminated groundwater. <i>Journal of Hazardous Materials</i> , 2019, 366, 423-431.	6.5	41
445	A critical review on passive sampling in air and water for per- and polyfluoroalkyl substances (PFASs). <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 121, 115311.	5.8	38
446	Mechanistic Model Describing the Uptake of Chemicals by Aquatic Integrative Samplers: Comparison to Data and Implications for Improved Sampler Configurations. <i>Environmental Science & Technology</i> , 2019, 53, 1482-1489.	4.6	22
447	Comparison of different monitoring methods for the measurement of metaldehyde in surface waters. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 75.	1.3	10
448	Crossroads of the mesoscale circulation. <i>Journal of Marine Systems</i> , 2019, 192, 1-14.	0.9	7
449	Passive sampling of pesticides and polychlorinated biphenyls along the Quequ�n Grande River watershed, Argentina. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 340-349.	2.2	12
450	TIMFIE Sampler��A New Time-Integrating, Active, Low-Tech Sampling Device for Quantitative Monitoring of Pesticides in Whole Water. <i>Environmental Science & Technology</i> , 2019, 53, 279-286.	4.6	13
451	Analytical and bioanalytical assessments of organic micropollutants in the Bosna River using a combination of passive sampling, bioassays and multi-residue analysis. <i>Science of the Total Environment</i> , 2019, 650, 1599-1612.	3.9	36
452	Combination of passive and grab sampling strategies improves the assessment of pesticide occurrence and contamination levels in a large-scale watershed. <i>Science of the Total Environment</i> , 2019, 651, 684-695.	3.9	48
453	Using wood frog (<i>Lithobates sylvaticus</i>) tadpoles and semipermeable membrane devices to monitor polycyclic aromatic compounds in boreal wetlands in the oil sands region of northern Alberta, Canada. <i>Chemosphere</i> , 2019, 214, 148-157.	4.2	26
454	Feasibility of developing a passive sampler for sampling heavy metals in BMPs for stormwater runoff management. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1517-1524.	1.2	4
455	Calibration and field application of an innovative passive sampler for monitoring groundwater quality. <i>Talanta</i> , 2020, 208, 120307.	2.9	12
456	Water monitoring using polymer inclusion membranes: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 129-150.	8.3	23
457	Sorption kinetics of parent and substituted PAHs for low-density polyethylene (LDPE): Determining their partition coefficients between LDPE and water (KLDPE) for passive sampling. <i>Journal of Environmental Sciences</i> , 2020, 87, 349-360.	3.2	9
458	Influence of some physicochemical parameters on the passive sampling of copper (II) from aqueous medium using a polymer inclusion membrane device. <i>Environmental Pollution</i> , 2020, 258, 113474.	3.7	8
459	Development of biofilm collectors as passive samplers in sewerage systems��a novel wastewater monitoring method. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8199-8209.	2.7	3
460	Hydrophilic trace organic contaminants in urban stormwater: occurrence, toxicological relevance, and the need to enhance green stormwater infrastructure. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 15-44.	1.2	66

#	ARTICLE	IF	CITATIONS
461	Are macroinvertebrate traits reliable indicators of specific agrichemicals?. <i>Ecological Indicators</i> , 2020, 111, 105965.	2.6	8
462	Operational DGT threshold values for metals in seawater from protected coastal areas in Sardinia (Western Mediterranean). <i>Marine Pollution Bulletin</i> , 2020, 150, 110692.	2.3	8
463	Development of a passive sampling technique for offshore CO ₂ monitoring: Preliminary results from laboratory experiments. <i>Journal of Petroleum Science and Engineering</i> , 2020, 194, 107544.	2.1	1
464	Emerging polar pollutants in groundwater: Potential impact of urban stormwater infiltration practices. <i>Environmental Pollution</i> , 2020, 266, 115387.	3.7	19
465	Pharmaceuticals and their metabolites in the marine environment: Sources, analytical methods and occurrence. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 28, e00104.	5.3	33
466	Aquatic ecological risk assessment frameworks in Canada: a case study using a single framework in South Baymouth, Ontario, Canada. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 530.	1.3	12
467	A Synthesis of Marine Monitoring Methods With the Potential to Enhance the Status Assessment of the Baltic Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	12
468	Bioavailable Environmental Pollutant Patterns in Sediments from Passive Equilibrium Sampling. <i>Environmental Science & Technology</i> , 2020, 54, 15861-15871.	4.6	20
469	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
470	New theory of time integrative passive samplers. <i>Analytica Chimica Acta</i> , 2020, 1127, 269-281.	2.6	3
471	An Integrated Approach of Multi-Community Monitoring and Assessment of Aquatic Ecosystems to Support Sustainable Development. <i>Sustainability</i> , 2020, 12, 5603.	1.6	36
472	Monitoring of ammonia in marine waters using a passive sampler with biofouling resistance and neural network-based calibration. <i>Environmental Pollution</i> , 2020, 267, 115457.	3.7	4
473	Herbicide Exposure and Toxicity to Aquatic Primary Producers. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 250, 119-171.	0.7	16
474	Wide-scope screening of polar contaminants of concern in water: A critical review of liquid chromatography-high resolution mass spectrometry-based strategies. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 28, e00102.	5.3	58
475	Limitations of Applying Diffusive Gradients in Thin Films to Predict Bioavailability of Metal Mixtures in Aquatic Systems with Unstable Water Chemistries. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2485-2495.	2.2	5
476	Sampling Rate of Polar Organic Chemical Integrative Sampler (POCIS): Influence Factors and Calibration Methods. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5548.	1.3	10
477	In Situ Catchment Scale Sampling of Emerging Contaminants Using Diffusive Gradients in Thin Films (DGT) and Traditional Grab Sampling: A Case Study of the River Thames, UK. <i>Environmental Science & Technology</i> , 2020, 54, 11155-11164.	4.6	19
478	Rwenzori Score (RS): A Benthic Macroinvertebrate Index for Biomonitoring Rivers and Streams in the Rwenzori Region, Uganda. <i>Sustainability</i> , 2020, 12, 10473.	1.6	8

#	ARTICLE	IF	CITATIONS
479	Passive Detection of Phosphorus in Agricultural Tile Waters Using Reactive Hybrid Anion Exchange Resins. <i>Water (Switzerland)</i> , 2020, 12, 2808.	1.2	1
480	Technical development and optimisation of a passive sampler based on polymer inclusion membrane for uptake of copper, nickel, cobalt and cadmium in surface waters. <i>Environmental Technology and Innovation</i> , 2020, 19, 100939.	3.0	15
481	Detection of pharmaceuticals in wastewater effluentsâ€”a comparison of the performance of ChemcatcherÂ® and polar organic compound integrative sampler. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27995-28005.	2.7	23
482	In-situ calibration of a microporous polyethylene passive sampling device with polar organic micropollutants in the Chillan River, central Chile. <i>Environmental Research</i> , 2020, 188, 109738.	3.7	4
483	Versatile modelling of polyoxymethylene-water partition coefficients for hydrophobic organic contaminants using linear and nonlinear approaches. <i>Science of the Total Environment</i> , 2020, 728, 138881.	3.9	8
484	Assessment of metal/metalloid occurrence in rivers with their accumulation in macrophyte case study with <i>Myriophyllum alterniflorum</i> . <i>Environmental Monitoring and Assessment</i> , 2020, 192, 337.	1.3	2
485	Pervasive Pesticide Contamination of Wetlands in the Great Barrier Reef Catchment Area. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 968-982.	1.6	11
486	Environmental prioritization of pesticide in the Upper Citarum River Basin, Indonesia, using predicted and measured concentrations. <i>Science of the Total Environment</i> , 2020, 738, 140130.	3.9	23
487	Passive and grab sampling methods to assess pesticide residues in water. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1019-1048.	8.3	39
488	Effects of Environmentally Relevant Concentration Exposure Profiles on Polar Organic Chemical Integrative Sampler (POCIS) Sampling Rates. <i>Environmental Science & Technology</i> , 2020, 54, 8848-8856.	4.6	5
489	A year-long passive sampling of phenolic endocrine disrupting chemicals in the East River, South China. <i>Environment International</i> , 2020, 143, 105936.	4.8	23
490	Performance of the organic-diffusive gradients in thin-films passive sampler for measurement of target and suspect wastewater contaminants. <i>Environmental Pollution</i> , 2020, 261, 114092.	3.7	22
491	Analysis of mobile chemicals in the aquatic environmentâ€”current capabilities, limitations and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4763-4784.	1.9	35
492	Development of a computational method to quantify the partitioning of polycyclic aromatic hydrocarbons in seawater into dissolved and droplet forms. <i>Marine Pollution Bulletin</i> , 2020, 153, 110955.	2.3	1
493	Potential of silicone passive sampler for Tributyltin (TBT) detection in tropical aquatic systems. <i>Regional Studies in Marine Science</i> , 2020, 35, 101171.	0.4	3
494	â€œModern agricultureâ€”transfers many pesticides to watercourses: a case study of a representative rural catchment of southern Brazil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10581-10598.	2.7	65
495	Response Surface Methodology Approach Applied to the Study of Arsenic (V) Migration by Facilitated Transport in Polymer Inclusion Membranes. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	8
496	Environmental Risks of Synthetic Pyrethroids Used by the Salmon Industry in Chile. <i>Handbook of Environmental Chemistry</i> , 2020, , 177-203.	0.2	3

#	ARTICLE	IF	CITATIONS
497	Experimental Estimation of 44 Pharmaceutical Polar Organic Chemical Integrative Sampler Sampling Rates in an Artificial River under Various Flow Conditions. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1186-1195.	2.2	16
498	Estimating 42 pesticide sampling rates by POCIS and POCIS-MIP samplers for groundwater monitoring: a pilot-scale calibration. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18565-18576.	2.7	9
499	Groundwater sampling in karst terranes: passive sampling in comparison to event-driven sampling strategy. <i>Hydrogeology Journal</i> , 2021, 29, 53-65.	0.9	3
500	Selection of priority pesticides in Japanese drinking water quality regulation: Validity, limitations, and evolution of a risk prediction method. <i>Science of the Total Environment</i> , 2021, 751, 141636.	3.9	4
501	Pharmaceuticals in the marine environment: What are the present challenges in their monitoring?. <i>Science of the Total Environment</i> , 2021, 766, 142644.	3.9	63
502	A margin of safety approach for the assessment of environmentally realistic chemical mixtures in the marine environment based on combined passive sampling and ecotoxicity testing. <i>Science of the Total Environment</i> , 2021, 765, 142748.	3.9	5
503	Comparative field study on bioassay responses and micropollutant uptake of POCIS, Speedisk and SorbiCell polar passive samplers. <i>Environmental Toxicology and Pharmacology</i> , 2021, 82, 103549.	2.0	5
504	First study of passive sampling to monitor short-chain chlorinated paraffins in water: Comparing capabilities of Chemcatcher® and silicone rubber samplers. <i>Talanta</i> , 2021, 224, 121920.	2.9	6
505	Calibration and field application of the Atlantic HLB Disk containing Chemcatcher® passive sampler “Quantitative monitoring of herbicides, other pesticides, and transformation products in German streams. <i>Journal of Hazardous Materials</i> , 2021, 410, 124538.	6.5	18
506	Pollutant analysis using passive samplers: principles, sorbents, calibration and applications. A review. <i>Environmental Chemistry Letters</i> , 2021, 19, 465-520.	8.3	36
507	Applications for Passive Sampling of Hydrophobic Organic Contaminants in Water—A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 51, 20-54.	1.8	37
508	Unique calibration of passive air sampling for field monitoring of PAHs with polyethylene thin films across seasons and locations. <i>Environmental Science Atmospheres</i> , 2021, 1, 253-266.	0.9	2
509	Passive sampler of organochloride compounds in water and air. , 2021, , 297-325.		0
510	High-performance liquid chromatography-tandem mass spectrometry for analysis of aquatic contaminants: A high-level introduction to the technique. , 2021, , 1-17.		1
511	Passive sampling of toluene (and benzene) in indoor air using a semipermeable membrane device. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111707.	2.9	10
512	Laboratory and field studies on the use of artificial mussels as a monitoring tool of platinum exposure in the freshwater environment. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	5
513	Passive Samplers, a Powerful Tool to Detect Viruses and Bacteria in Marine Coastal Areas. <i>Frontiers in Microbiology</i> , 2021, 12, 631174.	1.5	12
514	Development and Applications of Novel DGT Passive Samplers for Measuring 12 Per- and Polyfluoroalkyl Substances in Natural Waters and Wastewaters. <i>Environmental Science & Technology</i> , 2021, 55, 9548-9556.	4.6	30

#	ARTICLE	IF	CITATIONS
515	Assessment of pesticides in water using time-weighted average calibration of passive sampling device manufactured with carbon nanomaterial coating on stainless steel wire. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3315-3327.	1.9	9
516	Lignin oxidation products in soil, dripwater and speleothems from four different sites in New Zealand. <i>Biogeosciences</i> , 2021, 18, 2289-2300.	1.3	1
517	Calibration of the SPEARpesticides bioindicator for cost-effective pesticide monitoring in East African streams. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	8
518	Passive sampling and benchmarking to rank HOC levels in the aquatic environment. <i>Scientific Reports</i> , 2021, 11, 11231.	1.6	7
520	Determining chemical air equivalency using silicone personal monitors. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 268-279.	1.8	12
521	Comparative study of As (V) uptake in aqueous medium by a polymer inclusion membrane-based passive sampling device and two filamentous fungi (<i>Aspergillus niger</i> and <i>Rhizopus</i> sp.). <i>Chemosphere</i> , 2021, 272, 129920.	4.2	6
522	Evaluation of Titanate Nanotubes (TiNTs) as a Modifier for the Determination of Lead (II) by Differential Pulse Adsorptive Stripping Voltammetry (DPAdSV). <i>Analytical Letters</i> , 2022, 55, 146-158.	1.0	2
523	A Simple Teabag Equilibrium Passive Sampler using hydrophilic divinylbenzene sorbent for contaminants of emerging concern in the marine environment. <i>Science of the Total Environment</i> , 2021, 777, 146055.	3.9	2
524	Dynamic passive sampling of hydrophobic organic compounds in surface seawater along the South Atlantic Ocean east-to-west transect and across the Black Sea. <i>Marine Pollution Bulletin</i> , 2021, 168, 112375.	2.3	12
525	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. <i>Scientific Data</i> , 2021, 8, 223.	2.4	14
526	Characterization of a green expanded DGT methodology for the in-situ detection of emerging endocrine disrupting chemicals in water systems. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100450.	1.6	2
527	Detection of anticancer drugs in wastewater effluents: Grab versus passive sampling. <i>Science of the Total Environment</i> , 2021, 786, 147477.	3.9	20
528	Multisite Calibration of a Microporous Polyethylene Tube Passive Sampler for Quantifying Drugs in Wastewater. <i>Environmental Science & Technology</i> , 2021, 55, 12922-12929.	4.6	1
529	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , 2021, 420, 126534.	6.5	150
530	Development and evaluation of a ceramic diffusive layer based DGT technique for measuring organic micropollutants in seawaters. <i>Environment International</i> , 2021, 156, 106653.	4.8	8
531	A critical review of diffusive gradients in thin films technique for measuring organic pollutants: Potential limitations, application to solid phases, and combination with bioassays. <i>Chemosphere</i> , 2022, 287, 132352.	4.2	12
532	Passive sampling and in vitro assays to monitor antiandrogens in a river affected by wastewater discharge. <i>Science of the Total Environment</i> , 2022, 804, 150067.	3.9	8
533	New sampling methods for detecting pharmaceutical residues in seawater and sediments. , 2021, , 253-274.		0

#	ARTICLE	IF	CITATIONS
535	Future Directions and Research Needs for Chlorinated Solvent Plumes. SERDP and ESTCP Remediation Technology Monograph Series, 2010, , 699-725.	0.3	3
536	Effect of Pesticides on Fish Fauna: Threats, Challenges, and Possible Remedies. , 2020, , 27-54.		3
538	Environmental and Biological Applications of Stir Bar Sorptive Extraction. , 2012, , 797-818.		2
539	Passive sampling of pharmaceuticals and personal care products in aquatic environments. European Journal of Environmental Sciences, 2016, 6, 43-56.	0.6	11
541	Comparing the Passive and Active Sampling Devices with Biomonitoring of Pollutants in Langstone and Portsmouth Harbour, UK. Journal of Environmental Science and Technology, 2009, 3, 1-17.	0.3	18
542	Application Assessment of Passive Sampling to Monitor Polybrominated Diphenyl Ethers in Water Environment as Alternative Sampling Method for Grab Sampling. Daehan Hwan'gyeong Gonghag Hoeji, 2015, 37, 45-51.	0.4	1
543	The current status of community drug testing via the analysis of drugs and drug metabolites in sewage. Norsk Epidemiologi, 2011, 21, .	0.2	8
544	Particulate Phases Possibly Conveyed from Nuclear Waste Repositories by Groundwater. , 0, , .		1
545	Substances of emerging concern in Baltic Sea water: Review on methodological advances for the environmental assessment and proposal for future monitoring. Ambio, 2022, 51, 1588-1608.	2.8	7
546	Experience and lessons learnt in the design, fabrication and deployment of ceramic passive sampler for contaminant monitoring in water. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2021, , .	0.9	3
547	Distribution of Freely Dissolved Polycyclic Aromatic Hydrocarbons in the Yellow Sea: Application of Improved Passive Sampling Technique. Ocean Science Journal, 0, , 1.	0.6	0
548	The combination of chemical, structural, and functional indicators to evaluate the anthropogenic impacts on agricultural stream ecosystems. Environmental Science and Pollution Research, 2022, 29, 29296-29313.	2.7	3
549	Monitoring of Pesticides in the Environment. , 2008, , .		0
550	Pharmaceutical Compounds in Estuarine and Coastal Waters. , 2009, , .		0
552	Detection of Transformation Products of Emerging Contaminants. Springer Briefs in Molecular Science, 2012, , 19-29.	0.1	2
553	PCDDs and PCDFs. , 2013, , 789-805.		1
554	Analysis of PCBs in Waters. , 2013, , 765-788.		0
556	Determination of Dissolved Concentrations of Polycyclic Aromatic Hydrocarbons in River. International Letters of Natural Sciences, 0, 48, 67-80.	1.0	0

#	ARTICLE	IF	CITATIONS
557	VOLATILE ORGANIC COMPOUNDS IN WATERS AND THEIR HEALTH EFFECTS. Anadolu University Journal of Science and Technology - C Life Sciences and Biotechnology, 0, , .	0.0	0
558	Mikroplastik als Chance. , 2019, , 243-289.		0
559	Monitoring pesticides residues in water resources of the Lake Naivasha catchment using passive sampling. , 0, , .		0
560	Application of Passive Sampling in Marine Environment: 1. Persistent Organic Pollutants (POPs). Journal of the Korean Society for Marine Environment & Energy, 2019, 22, 95-104.	0.1	2
561	Développement d'un échantillonneur passif pour rechercher les sources de contaminations organiques dans les réseaux d'assainissement. Techniques - Sciences - Methodes, 2019, , 41-52.	0.0	0
562	Optimization of Ex-situ Experiment and Application in Contaminated Sediment for Determination of the Freely Dissolved Concentration of Polycyclic Aromatic Hydrocarbons. Journal of the Korean Society for Marine Environment & Energy, 2020, 23, 109-116.	0.1	0
563	Carbon nanotubes, activated carbon and Oasis HLB as sorbents of passive samplers for extraction of selected micropollutants – Comparison of sampling rates and extraction efficiency. Microchemical Journal, 2022, 172, 106975.	2.3	8
564	A novel passive sampling device for low molecular weight PAHs with a proteinaceous medium. Environmental Nanotechnology, Monitoring and Management, 2022, 17, 100609.	1.7	0
565	Locating illicit discharges in storm sewers in urban areas using multi-parameter source tracking: Field validation of a toolbox composite index to prioritize high risk areas. Science of the Total Environment, 2022, 811, 152060.	3.9	11
566	Determination of diffusion coefficients in agarose and polyacrylamide gels for 112 organic chemicals for passive sampling by organic Diffusive Gradients in Thin films (o-DGT). Environmental Science and Pollution Research, 2022, 29, 25799-25809.	2.7	7
567	Advances in sample pretreatment and detection of PCBs in the environment. Journal of Hazardous Materials Advances, 2021, 4, 100028.	1.2	5
568	Occurrence of pharmaceuticals in the environmental waters: African and Asian perspectives. Environmental Chemistry and Ecotoxicology, 2022, 4, 50-66.	4.6	37
569	Operational Constraints of Detecting SARS-CoV-2 on Passive Samplers using Electronegative Filters: A Kinetic and Equilibrium Analysis. ACS ES&T Water, 2022, 2, 1910-1920.	2.3	15
570	Exploring the influence of concentration fluctuation and matrix effects on a passive sampler of triolein-embedded cellulose acetate membrane measuring polychlorinated biphenyls in water. Environmental Science and Pollution Research, 2022, , 1.	2.7	0
571	Pesticide toxicity towards microalgae increases with environmental mixture complexity. Environmental Science and Pollution Research, 2022, 29, 29368-29381.	2.7	4
572	Efficient passive sampler using copper oxide micro-adsorbent for the detection of volatile sulfur compounds (VSCs) from the small lab-scale spilled crude oil. Petroleum Science and Technology, 2022, 40, 1567-1577.	0.7	1
573	Organochlorine Compounds in Beached Plastics and Marine Organisms. Frontiers in Environmental Science, 2022, 9, .	1.5	2

#	ARTICLE	IF	CITATIONS
576	Recent nanomaterials development and application in diffusive gradients in thin-film devices. <i>Chemical Papers</i> , 2022, 76, 1923-1938.	1.0	2
577	Effects of biofouling on the uptake of perfluorinated alkyl acids by organic-diffusive gradients in thin films passive samplers. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 242-251.	1.7	3
578	Passive sampling and ecohydrologic modeling to investigate pesticide surface water loading in the Zollner Creek watershed, Oregon, USA. <i>Science of the Total Environment</i> , 2022, 819, 152955.	3.9	1
580	Monitoring techniques—Grab and passive sampling. , 2022, , 25-48.		0
581	<i>In Situ</i> Calibration of Passive Samplers for Viruses in Wastewater. <i>ACS ES&T Water</i> , 2022, 2, 1881-1890.	2.3	14
583	Comparison between Polar Organic Chemical Integrative Sampler (POCIS) and Grab Samples to Estimate Time-Weighted Average Concentrations of Paddy-Use Pesticide Residue in Stream Water. <i>Journal of Japan Society on Water Environment</i> , 2022, 45, 41-50.	0.1	0
584	Pesticide residue levels in surface water, using a passive sampler and in the sediment along the littoral zone of Lake Ziway at selected sites. <i>SN Applied Sciences</i> , 2022, 4, 1.	1.5	4
585	Passive Sampling with Active Carbon Fibres in the Determination of Organic Pollutants in Groundwater. <i>Water (Switzerland)</i> , 2022, 14, 585.	1.2	1
586	Passive sampling as an alternative strategy to monitor metals and PAHs trends at an upstream and rural catchment: a French case study. <i>SN Applied Sciences</i> , 2022, 4, 1.	1.5	4
587	Cork-based passive samplers for monitoring triclosan in water samples. , 2022, 1, 100008.		2
588	Flow-through passive sampler for zinc in freshwaters free from flow pattern, water cationic composition and temperature effects. <i>Microchemical Journal</i> , 2022, 177, 107294.	2.3	2
589	Development of a multi-hormone analysis method by LC-MS/MS for environmental water application using diffusive gradient in thin films. <i>Talanta</i> , 2022, 243, 123390.	2.9	1
590	Non-target and suspect-screening analyses of hydroponic soybeans and passive samplers exposed to different watershed irrigation sources. <i>Science of the Total Environment</i> , 2022, 826, 153754.	3.9	1
591	The study of polar emerging contaminants in seawater by passive sampling: A review. <i>Chemosphere</i> , 2022, 299, 134448.	4.2	12
592	Application of Fourier transform mid-infrared photoacoustic spectroscopy for rapid assessment of phosphorus availability in digestates and digestate-amended soils. <i>Science of the Total Environment</i> , 2022, 832, 155040.	3.9	4
593	Determining the Mass Transfer Coefficient of the Water Boundary Layer at the Surface of Aquatic Integrative Passive Samplers. <i>Environmental Science & Technology</i> , 2022, 56, 6391-6398.	4.6	6
594	Passive sampling to scale wastewater surveillance of infectious disease: Lessons learned from COVID-19. <i>Science of the Total Environment</i> , 2022, 835, 155347.	3.9	31
602	A novel antibody-based biosensor method for the rapid measurement of PAH contamination in oysters. <i>Environmental Technology and Innovation</i> , 2022, 28, 102567.	3.0	3

#	ARTICLE	IF	CITATIONS
604	Pesticides in surface freshwater: a critical review. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	17
605	Highlighting the Biases Occurring in the Implementation of O-Dgt for the Sampling of 12 Hormones. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
606	Towards the Use of Dgt Technique in a Regulatory Context for Monitoring Metals in Marine Water Bodies: Results of an International Intercomparison Exercise. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
607	Unique On-Site Spinning Sampling of Highly Water-Soluble Organics Using Functionalized Monolithic Sorbents. <i>Environmental Science & Technology</i> , 2022, 56, 8094-8102.	4.6	2
608	A miniaturized passive sampling-based workflow for monitoring chemicals of emerging concern in water. <i>Science of the Total Environment</i> , 2022, 839, 156260.	3.9	10
609	Passive sampling hydrophilic and hydrophobic bisphenol analogues using hydrophilic-lipophilic balance sorbent-embedded cellulose acetate membrane in surface waters. <i>Science of the Total Environment</i> , 2022, 839, 156239.	3.9	4
610	Development and calibration of an integrative passive sampler for monitoring VCM in drinking water networks. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	0
611	Do pesticides degrade in surface water receiving runoff from agricultural catchments? Combining passive samplers (POCIS) and compound-specific isotope analysis. <i>Science of the Total Environment</i> , 2022, 842, 156735.	3.9	8
612	Control of organic contaminants in groundwater by passive sampling and multivariate statistical analysis. <i>Journal of Environmental Management</i> , 2022, 318, 115440.	3.8	7
613	Field Validation of a Novel Passive Sampler for Dissolved PFAS in Surface Waters. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2375-2385.	2.2	14
614	An optimized processing method for polar organic chemical integrative samplers deployed in seawater: Toward a maximization of the analysis accuracy for trace emerging contaminants. <i>Journal of Chromatography A</i> , 2022, 1677, 463309.	1.8	5
615	An international intercomparison exercise on passive samplers (DGT) for monitoring metals in marine waters under a regulatory context. <i>Science of the Total Environment</i> , 2022, 847, 157499.	3.9	5
616	Health risk-based prioritization approaches of pharmaceuticals in the Upper Citarum River Basin. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1065, 012064.	0.2	2
617	Development and application of a membrane assisted solvent extraction-molecularly imprinted polymer based passive sampler for monitoring of selected pharmaceuticals in surface water. <i>Water Research</i> , 2022, 225, 119145.	5.3	9
618	A new monitoring approach for sustainability assessment of subsurface utilities gasket materials against gasoline and chlorinated solvents: Field evaluation and model development. <i>Journal of Environmental Management</i> , 2022, 323, 116217.	3.8	0
619	Calibration Comparison between Two Passive Samplers -O-Dgt and POCIS- for 109 Hydrophilic Emerging and Priority Organic Compounds. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
620	Pesticides monitoring in surface water of a subsistence agricultural catchment in Uganda using passive samplers. <i>Environmental Science and Pollution Research</i> , 2023, 30, 10312-10328.	2.7	6
621	A Framework for Water Security Data Gathering Strategies. <i>Water (Switzerland)</i> , 2022, 14, 2907.	1.2	1

#	ARTICLE	IF	CITATIONS
622	Evaluation of Chemcatcher® passive samplers for pesticide monitoring using high-frequency catchment scale data. <i>Journal of Environmental Management</i> , 2022, 324, 116292.	3.8	4
623	A Review on Polyethersulfone Membranes in Polar Organic Chemical Integrative Samplers: Preparation, Characterization and Innovation. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-17.	1.8	5
624	In situ calibration of passive sampling methods for urban micropollutants using targeted multiresidue GC and LC screening systems. <i>Chemosphere</i> , 2023, 311, 136997.	4.2	6
625	A Review of In Situ Methodsâ€”Solid Phase Adsorption Toxin Tracking (SPATT) and Polar Organic Chemical Integrative Sampler (POCIS) for the Collection and Concentration of Marine Biotoxins and Pharmaceuticals in Environmental Waters. <i>Molecules</i> , 2022, 27, 7898.	1.7	1
626	Development of a New Polar Organic Chemical Integrative Sampler for 1,4-dioxane Using Silicone Membrane as a Diffusion Barrier. <i>Environmental Toxicology and Chemistry</i> , 2023, 42, 296-302.	2.2	1
627	Agricultural pesticides pose a continuous ecotoxicological risk to aquatic organisms in a tropical horticulture catchment. <i>Environmental Advances</i> , 2023, 11, 100339.	2.2	2
628	Monitoring and modelling of butyltin compounds in Finnish inland lake. <i>Frontiers in Environmental Chemistry</i> , 0, 3, .	0.7	0
629	Efficient separation of arsenic species of oxyanion As (III) and As (V) by using effective polymer inclusion membranes (PIM). <i>Chemosphere</i> , 2023, 316, 137851.	4.2	10
630	Synthesizing the impact of sea-dumped munition and related chemicals on humans and the environment. <i>Marine Pollution Bulletin</i> , 2023, 187, 114601.	2.3	1
631	Performance evaluation of a diffusive hydrogel-based passive sampler for monitoring of polar organic compounds in wastewater. <i>Science of the Total Environment</i> , 2023, 864, 161071.	3.9	4
632	Programmable Autonomous Water Samplers (PAWS): An inexpensive, adaptable and robust submersible system for time-integrated water sampling in freshwater and marine ecosystems. <i>HardwareX</i> , 2023, 13, e00392.	1.1	1
633	Calibration of the Chemcatcher® passive sampler and derivation of generic sampling rates for a broad application in monitoring of surface waters. <i>Science of the Total Environment</i> , 2023, 871, 161936.	3.9	2
634	An improved Chemcatcher-based method for the integrative passive sampling of 44 hydrophilic micropollutants in surface water â€” Part A: Calibration under four controlled hydrodynamic conditions. <i>Science of the Total Environment</i> , 2023, 871, 162037.	3.9	4
635	An improved Chemcatcher-based method for the integrative passive sampling of 44 hydrophilic micropollutants in surface water â€” Part B: Field implementation and comparison with automated active sampling. <i>Science of the Total Environment</i> , 2023, 871, 161937.	3.9	1
636	Appraisal on the role of passive sampling for more integrative frameworks on the environmental risk assessment of contaminants. <i>Chemosphere</i> , 2023, 324, 138352.	4.2	5
637	Calibration of a microporous polyethylene tube passive sampler for polar organic compounds in wastewater effluent. <i>Science of the Total Environment</i> , 2023, 874, 162497.	3.9	3
638	Enhanced migration of plasticizers from polyvinyl chloride consumer products through artificial sebum. <i>Science of the Total Environment</i> , 2023, 874, 162412.	3.9	1
639	Determination of groundwater origins and vulnerability based on multi-tracer investigations: New contributions from passive sampling and suspect screening approach. <i>Science of the Total Environment</i> , 2023, 876, 162750.	3.9	1

#	ARTICLE	IF	CITATIONS
640	Recommendations for advancing media preparation methods used to assess aquatic hazards of oils and spill response agents. <i>Aquatic Toxicology</i> , 2023, 259, 106518.	1.9	6
641	Interest of a new large diffusive gradients in thin films (L-DGT) for organic compounds monitoring: On-field comparison with conventional passive samplers. <i>Environmental Pollution</i> , 2023, 323, 121257.	3.7	1
642	Calibration comparison between two passive samplers -o-DGT and POCIS- for 109 hydrophilic emerging and priority organic compounds. <i>Science of the Total Environment</i> , 2023, 869, 161720.	3.9	3
643	Determination of partition coefficients of phthalic acid esters between polydimethylsiloxane and water and its field application to surface waters. <i>Journal of Hazardous Materials</i> , 2023, 448, 130933.	6.5	3
644	Monitoring of polar organic compounds in fresh waters using the Chemcatcher passive sampler. <i>MethodsX</i> , 2023, 10, 102054.	0.7	1
645	Multivariate Tiered Approach To Highlight the Link between Large-Scale Integrated Pesticide Concentrations from Polar Organic Chemical Integrative Samplers and Watershed Land Uses. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 3152-3163.	2.4	3
647	Sampling and analysis of emerging pollutants in aquatic environment. , 2023, , 3-34.		0
656	Sampling techniques in wastewater-based epidemiology approach. , 2023, , 61-81.		0
679	Sampling and extraction techniques for endocrine-disrupting chemicals. , 2024, , 67-83.		0