RÃ©my Buzier

List of Publications by Year
in descending order

23	831	623734 14	642732 23
papers	citations	h-index	g-index

23	23	23	875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitivity improvement of o-DGT for organic micropollutants monitoring in waters: Application to neutral pesticides. Talanta Open, 2022, 6, 100123.	3.7	5
2	Diffusive gradients in thin films (DGT): A suitable tool for metals/metalloids monitoring in continental waterbodies at the large network scale. Science of the Total Environment, 2021, 754, 142147.	8.0	14
3	Impact of low ionic strength on DGT sampling with standard APA gels: Effect of pH and analyte. Talanta, 2021, 222, 121413.	5.5	8
4	Aluminum sampling by Chelex, titanium dioxide and zirconium oxide DGT: Influence of pH on accumulation behaviors. Environmental Technology and Innovation, 2021, 24, 101931.	6.1	1
5	Adaptation of diffusive gradients in thin films technique to sample organic pollutants in the environment: An overview of o-DGT passive samplers. Science of the Total Environment, 2019, 693, 133537.	8.0	71
6	Limitation of flow effect on passive sampling accuracy using POCIS with the PRC approach or o-DGT: A pilot-scale evaluation for pharmaceutical compounds. Chemosphere, 2019, 222, 628-636.	8.2	33
7	A simultaneous assessment of organic matter and trace elements bio-accessibility in substrate and digestate from an anaerobic digestion plant. Bioresource Technology, 2019, 288, 121587.	9.6	15
8	Distribution trend of trace elements in digestate exposed to air: Laboratory-scale investigations using DGT-based fractionation. Journal of Environmental Management, 2019, 238, 159-165.	7.8	1
9	Evaluation of a mercapto-functionalized silica binding phase for the selective sampling of SeIV by Diffusive Gradients in Thin films. Talanta, 2019, 199, 590-595.	5.5	4
10	Assessment of the DGT technique in digestate to fraction twelve trace elements. Talanta, 2019, 192, 204-211.	5.5	3
11	Passive sampling of anionic pesticides using the Diffusive Gradients in Thin films technique (DGT). Analytica Chimica Acta, 2017, 966, 1-10.	5.4	76
12	Improving elution strategies for ChelexÂ®-DGT passive samplers. Analytical and Bioanalytical Chemistry, 2017, 409, 7183-7189.	3.7	9
13	Key role of the sorption process in alteration of metal and metalloid quantification by fouling development on DGT passive samplers. Environmental Pollution, 2017, 230, 523-529.	7.5	10
14	Simultaneous measurement of Cr(III) and Cr(VI) in freshwaters with a single Diffusive Gradients in Thin Films device. Talanta, 2016, 154, 533-538.	5.5	24
15	Overview of the ChemcatcherÂ® 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. Talanta, 2016, 148, 572-582.	5.5	51
16	Overview of the ChemcatcherÂ® for the passive sampling of various pollutants in aquatic environments Part A: Principles, calibration, preparation and analysis of the sampler. Talanta, 2016, 148, 556-571.	5.5	77
17	Estimates of pesticide concentrations and fluxes in two rivers of an extensive French multi-agricultural watershed: application of the passive sampling strategy. Environmental Science and Pollution Research, 2015, 22, 8044-8057.	5.3	57
18	Can POCIS be used in Water Framework Directive (2000/60/EC) monitoring networks? A study focusing on pesticides in a French agricultural watershed. Science of the Total Environment, 2014, 497-498, 282-292.	8.0	82

#	Article	IF	Citations
19	DGT-labile As, Cd, Cu and Ni monitoring in freshwater: Toward a framework for interpretation of in situ deployment. Environmental Pollution, 2014, 192, 52-58.	7.5	33
20	Inputs of total and labile trace metals from wastewater treatment plants effluents to the Seine River. Physics and Chemistry of the Earth, 2011, 36, 500-505.	2.9	40
21	Dissolved and bioavailable contaminants in the Seine river basin. Science of the Total Environment, 2007, 375, 244-256.	8.0	72
22	Trace metal speciation and fluxes within a major French wastewater treatment plant: Impact of the successive treatments stages. Chemosphere, 2006, 65, 2419-2426.	8.2	86
23	Evaluation of DGT as a metal speciation tool in wastewater. Science of the Total Environment, 2006, 358, 277-285.	8.0	59