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	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
2	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
3	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
4	Passive sampling of anionic pesticides using the Diffusive Gradients in Thin films technique (DGT). Analytica Chimica Acta, 2017, 966, 1-10.	5.4	76
5	Dissolved and bioavailable contaminants in the Seine river basin. Science of the Total Environment, 2007, 375, 244-256.	8.0	72
6	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
7	Evaluation of DGT as a metal speciation tool in wastewater. Science of the Total Environment, 2006, 358, 277-285.	8.0	59
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Improving elution strategies for ChelexÂ®-DGT passive samplers. Analytical and Bioanalytical Chemistry, 2017, 409, 7183-7189.	3.7	9
18	Impact of low ionic strength on DGT sampling with standard APA gels: Effect of pH and analyte. Talanta, 2021, 222, 121413.	5.5	8

#	Article	IF	Citations
19	Sensitivity improvement of o-DGT for organic micropollutants monitoring in waters: Application to neutral pesticides. Talanta Open, 2022, 6, 100123.	3.7	5
20	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
21	Assessment of the DGT technique in digestate to fraction twelve trace elements. Talanta, 2019, 192, 204-211.	5.5	3
22	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
23	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