Sbastien Sauv

List of Publications by Year in Descending Order

239 papers	11,175 citations	54 h-index	98 g-index
254 ext. papers	12,799 ext. citations	6.5 avg, IF	6.63 L-index

#	Paper	IF	Citations
239	Fast screening of saxitoxin, neosaxitoxin, and decarbamoyl analogues in fresh and brackish surface waters by on-line enrichment coupled to HILIC-HRMS.. *Talanta*, **2022**, 241, 123267	6.2	1
238	Assessment of automated off-line solid-phase extraction LC-MS/MS to monitor EPA priority endocrine disruptors in tap water, surface water, and wastewater.. *Talanta*, **2022**, 241, 123216	6.2	1
237	Effects of plants and biochar on the performance of treatment wetlands for removal of the pesticide chlorantraniliprole from agricultural runoff. *Ecological Engineering*, **2022**, 175, 106477	3.9	2
236	Reduced bioaccumulation of fluorotelomer sulfonates and perfluoroalkyl acids in earthworms (Eisenia fetida) from soils amended with modified clays. *Journal of Hazardous Materials*, **2022**, 423, 126999	12.8	0
235	Oxidation to Control Cyanobacteria and Cyanotoxins in Drinking Water Treatment Plants: Challenges at the Laboratory and Full-Scale Plants. *Water (Switzerland)*, **2022**, 14, 537	3	0
234	Occurrence and seasonal distribution of steroid hormones and bisphenol A in surface waters and suspended sediments of Quebec, Canada. *Environmental Advances*, **2022**, 8, 100199	3.5	0
233	Removal of Zwitterionic PFAS by MXenes: Comparisons with Anionic, Nonionic, and PFAS-Specific Resins.. *Environmental Science & Technology*, **2022**, 56, 6212-6222	10.3	1
232	Effects of macrophyte species and biochar on the performance of treatment wetlands for the removal of glyphosate from agricultural runoff. *Science of the Total Environment*, **2022**, 838, 156061	10.2	1
231	Novel and legacy per- and polyfluoroalkyl substances (PFAS) in freshwater sporting fish from background and firefighting foam impacted ecosystems in Eastern Canada. *Science of the Total Environment*, **2021**, 151563	10.2	1
230	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*, **2021**, 152060	10.2	0
229	Elucidating the removal of organic micropollutants on biological ion exchange resins. *Science of the Total Environment*, **2021**, 808, 152137	10.2	2
228	Phytotoxic effects of microcystins, antitoxin-a and cylindrospermopsin to aquatic plants: A meta-analysis. *Science of the Total Environment*, **2021**, 810, 152104	10.2	1
227	Methods for the analysis of endocrine disrupting chemicals in selected environmental matrixes.. *Environmental Research*, **2021**, 112616	7.9	2
226	Target and Nontarget Screening of PFAS in Biosolids, Composts, and Other Organic Waste Products for Land Application in France. *Environmental Science & Technology*, **2021**,	10.3	4
225	Stability of Nitrogen-Containing Polyfluoroalkyl Substances in Aerobic Soils. *Environmental Science & Technology*, **2021**, 55, 4698-4708	10.3	14
224	Occurrence of microcystins, anabaenopeptins and other cyanotoxins in fish from a freshwater wildlife reserve impacted by harmful cyanobacterial blooms. *Toxicon*, **2021**, 194, 44-52	2.8	3
223	Dynamics of bacterial community at varying sludge retention time within membrane bioreactor treating synthetic hospital wastewater. *Systems Microbiology and Biomanufacturing*, **2021**, 1, 471-482		0

222	Operating Bicarbonate-Form versus Chloride-Form Ion Exchange Resins without Regeneration for Natural Organic Matter Removal. *ACS ES&T Water*, **2021**, 1, 1456-1463		4
221	Financing on-farm ecosystem services in southern Quebec, Canada: A public call for pesticides reduction. *Ecological Economics*, **2021**, 184, 106997	5.6	0
220	Longitudinal and vertical variations of waterborne emerging contaminants in the St. Lawrence Estuary and Gulf during winter conditions. *Science of the Total Environment*, **2021**, 777, 146073	10.2	7
219	Acclimatization of microbial community of submerged membrane bioreactor treating hospital wastewater. *Bioresource Technology*, **2021**, 319, 124223	11	9
218	Evaluation of ELISA-based method for total anabaenopeptins determination and comparative analysis with on-line SPE-UHPLC-HRMS in freshwater cyanobacterial blooms. *Talanta*, **2021**, 223, 121802	6.2	0
217	Stability issues of microcystins, anabaenopeptins, anatoxins, and cylindrospermopsin during short-term and long-term storage of surface water and drinking water samples. *Harmful Algae*, **2021**, 101, 101955	5.3	3
216	Compositional Microbial-Community Shift of Submerged Membrane Bioreactor Treating Hospital Wastewater at Varying Temperatures. *Journal of Environmental Engineering, ASCE*, **2021**, 147, 04020152	2	2
215	Phytotoxicity and bioconcentration of microcystins in agricultural plants: Meta-analysis and risk assessment. *Environmental Pollution*, **2021**, 272, 115966	9.3	8
214	Can Cyanobacterial Diversity in the Source Predict the Diversity in Sludge and the Risk of Toxin Release in a Drinking Water Treatment Plant?. *Toxins*, **2021**, 13,	4.9	2
213	Quantitative screening for cyanotoxins in soil and groundwater of agricultural watersheds in Quebec, Canada. *Chemosphere*, **2021**, 274, 129781	8.4	2
212	Circular economy of water: Tackling quantity, quality and footprint of water. *Environmental Development*, **2021**, 39, 100651	4.1	6
211	Modified clays reduce leaching of per- and polyfluoroalkyl substances from AFFF-contaminated soils. *AWWA Water Science*, **2021**, 3, e1241	1.6	3
210	Alleviating the burden of ion exchange brine in water treatment: From operational strategies to brine management. *Water Research*, **2021**, 205, 117728	12.5	5
209	A quantitative UHPLC-MS/MS method for the growth hormone-releasing peptide-6 determination in complex biological matrices and transdermal formulations. *Talanta*, **2021**, 233, 122555	6.2	1
208	Metagenomic study to evaluate functional capacity of a cyanobacterial bloom during oxidation. *Chemical Engineering Journal Advances*, **2021**, 8, 100151	3.6	1
207	Per- and Polyfluoroalkyl Substances in Contaminated Soil and Groundwater at Airports: A Canadian Case Study.. *Environmental Science & Technology*, **2021**,	10.3	6
206	Occurrence and Distribution of Per- and Polyfluoroalkyl Substances in Tianjin, China: The Contribution of Emerging and Unknown Analogues. *Environmental Science & Technology*, **2020**, 54, 14254-14264	10.3	31
205	Removal of microcystin-LR and other water pollutants using sand coated with bio-optimized carbon submicron particles: Graphene oxide and reduced graphene oxide. *Chemical Engineering Journal*, **2020**, 397, 125398	14.7	10

204	Improved extraction of multiclass cyanotoxins from soil and sensitive quantification with on-line purification liquid chromatography tandem mass spectrometry. *Talanta*, **2020**, 216, 120923	6.2	6
203	Role of Leaf Litter on the Incorporation of Copper-Containing Pesticides into Soils Under Fruit Production: a Review. *Journal of Soil Science and Plant Nutrition*, **2020**, 20, 990-1000	3.2	10
202	Bioaccumulation of Zwitterionic Polyfluoroalkyl Substances in Earthworms Exposed to Aqueous Film-Forming Foam Impacted Soils. *Environmental Science & Technology*, **2020**, 54, 1687-1697	10.3	16
201	Extreme rainfall drives early onset cyanobacterial bloom. *Facets*, **2020**, 5, 899-920	2.3	3
200	Which soil Cu pool governs phytotoxicity in field-collected soils contaminated by copper smelting activities in central Chile?. *Chemosphere*, **2020**, 242, 125176	8.4	14
199	Physical and biological removal of Microcystin-LR and other water contaminants in a biofilter using Manganese Dioxide coated sand and Graphene sand composites. *Science of the Total Environment*, **2020**, 703, 135052	10.2	11
198	Analysis of sulfonamides, fluoroquinolones, tetracyclines, triphenylmethane dyes and other veterinary drug residues in cultured and wild seafood sold in Montreal, Canada. *Journal of Food Composition and Analysis*, **2020**, 94, 103630	4.1	14
197	A framework for the analysis of polar anticancer drugs in wastewater: On-line extraction coupled to HILIC or reverse phase LC-MS/MS. *Talanta*, **2020**, 220, 121407	6.2	7
196	Molecular mechanisms of per- and polyfluoroalkyl substances on a modified clay: a combined experimental and molecular simulation study. *Water Research*, **2020**, 184, 116166	12.5	25
195	Fast Generation of Perfluoroalkyl Acids from Polyfluoroalkyl Amine Oxides in Aerobic Soils. *Environmental Science and Technology Letters*, **2020**, 7, 714-720	11	11
194	Co-culturing of native bacteria from drinking water treatment plant with known degraders to accelerate microcystin-LR removal using biofilter. *Chemical Engineering Journal*, **2020**, 383, 123090	14.7	8
193	Biological ion exchange as an alternative to biological activated carbon for drinking water treatment. *Water Research*, **2020**, 168, 115148	12.5	18
192	Electrochemical treatment of real hospital wastewaters and monitoring of pharmaceutical residues by using surrogate models. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103332	6.8	17
191	Analysis of the neurotoxin β-N-methylamino-L-alanine (BMAA) and isomers in surface water by FMOC derivatization liquid chromatography high resolution mass spectrometry. *PLoS ONE*, **2019**, 14, e0220698	3.7	4
190	Analysis of Environmental Protection Agency priority endocrine disruptor hormones and bisphenol A in tap, surface and wastewater by online concentration liquid chromatography tandem mass spectrometry. *Journal of Chromatography A*, **2019**, 1591, 87-98	4.5	41
189	A benchmark concentration analysis for manganese in drinking water and IQ deficits in children. *Environment International*, **2019**, 130, 104889	12.9	39
188	Analysis of F-53B, Gen-X, ADONA, and emerging fluoroalkylether substances in environmental and biomonitoring samples: A review. *Trends in Environmental Analytical Chemistry*, **2019**, 23, e00066	12	63
187	The bacterial community structure of submerged membrane bioreactor treating synthetic hospital wastewater. *Bioresource Technology*, **2019**, 286, 121362	11	20

186	Data supporting the optimization of liquid chromatography tandem mass spectrometry conditions to analyze EPA-priority hormones and bisphenol A in water samples. *Data in Brief*, **2019**, 24, 103958	1.2	3
185	Occurrence of pesticides in fruits and vegetables from organic and conventional agriculture by QuEChERS extraction liquid chromatography tandem mass spectrometry. *Food Control*, **2019**, 104, 74-82	6.2	33
184	Soil and indoor dust as environmental media of human exposure to As, Cd, Cu, and Pb near a copper smelter in central Chile. *Journal of Trace Elements in Medicine and Biology*, **2019**, 54, 156-162	4.1	20
183	Agro-industrial residues as a unique support in a sand filter to enhance the bioactivity to remove microcystin-Leucine aRginine and organics. *Science of the Total Environment*, **2019**, 670, 971-981	10.2	12
182	Quality survey and spatiotemporal variations of atrazine and desethylatrazine in drinking water in Quebec, Canada. *Science of the Total Environment*, **2019**, 671, 578-585	10.2	25
181	Widespread occurrence and spatial distribution of glyphosate, atrazine, and neonicotinoids pesticides in the St. Lawrence and tributary rivers. *Environmental Pollution*, **2019**, 250, 29-39	9.3	77
180	Degradation and defluorination of 6:2 fluorotelomer sulfonamidoalkyl betaine and 6:2 fluorotelomer sulfonate by Gordonia sp. strain NB4-1Y under sulfur-limiting conditions. *Science of the Total Environment*, **2019**, 647, 690-698	10.2	66
179	Effect of temperature on oxidation kinetics of testosterone and progestogens by ozone. *Journal of Water Process Engineering*, **2019**, 31, 100879	6.7	4
178	Precipitation effects on parasite, indicator bacteria, and wastewater micropollutant loads from a water resource recovery facility influent and effluent. *Journal of Water and Health*, **2019**, 17, 701-716	2.2	1
177	A Data-Independent Methodology for the Structural Characterization of Microcystins and Anabaenopeptins Leading to the Identification of Four New Congeners. *Toxins*, **2019**, 11,	4.9	12
176	Blood pressure and burden of hypertension in Cameroon, a microcosm of Africa: a systematic review and meta-analysis of population-based studies. *Journal of Hypertension*, **2019**, 37, 2190-2199	1.9	14
175	Analysis of multiclass cyanotoxins (microcystins, anabaenopeptins, cylindrospermopsin and anatoxins) in lake waters using on-line SPE liquid chromatography high-resolution Orbitrap mass spectrometry. *Analytical Methods*, **2019**, 11, 5289-5300	3.2	32
174	Transformation of novel polyfluoroalkyl substances (PFASs) as co-contaminants during biopile remediation of petroleum hydrocarbons. *Journal of Hazardous Materials*, **2019**, 362, 140-147	12.8	33
173	Adsorption of micropollutants present in surface waters onto polymeric resins: Impact of resin type and water matrix on performance. *Science of the Total Environment*, **2019**, 660, 1449-1458	10.2	34
172	Fecal contamination of storm sewers: Evaluating wastewater micropollutants, human-specific Bacteroides 16S rRNA, and mitochondrial DNA genetic markers as alternative indicators of sewer cross connections. *Science of the Total Environment*, **2019**, 659, 548-560	10.2	14
171	Temporal variability of parasites, bacterial indicators, and wastewater micropollutants in a water resource recovery facility under various weather conditions. *Water Research*, **2019**, 148, 446-458	12.5	21
170	Zwitterionic, cationic, and anionic perfluoroalkyl and polyfluoroalkyl substances integrated into total oxidizable precursor assay of contaminated groundwater. *Talanta*, **2019**, 195, 533-542	6.2	55
169	Evaluation of on-line concentration coupled to liquid chromatography tandem mass spectrometry for the quantification of neonicotinoids and fipronil in surface water and tap water. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 2765-2779	4.4	37

168	Quantification of peptides in human synovial fluid using liquid chromatography-tandem mass spectrometry. *Talanta*, **2018**, 186, 124-132	6.2	1
167	Seasonal variations of steroid hormones released by wastewater treatment plants to river water and sediments: Distribution between particulate and dissolved phases. *Science of the Total Environment*, **2018**, 635, 144-155	10.2	29
166	Comparison of exposure to trace elements through vegetable consumption between a mining area and an agricultural area in central Chile. *Environmental Science and Pollution Research*, **2018**, 25, 19114-19121	5.1	7
165	Changes in water manganese levels and longitudinal assessment of intellectual function in children exposed through drinking water. *NeuroToxicology*, **2018**, 64, 118-125	4.4	31
164	Removal of micropollutants by fresh and colonized magnetic powdered activated carbon. *Journal of Hazardous Materials*, **2018**, 360, 349-355	12.8	30
163	Worldwide drinking water occurrence and levels of newly-identified perfluoroalkyl and polyfluoroalkyl substances. *Science of the Total Environment*, **2018**, 616-617, 1089-1100	10.2	129
162	Synthetic hospital wastewater treatment by coupling submerged membrane bioreactor and electrochemical advanced oxidation process: Kinetic study and toxicity assessment. *Chemosphere*, **2018**, 193, 160-169	8.4	48
161	Chemical Speciation of Trace Elements in Soil Solution. *Soil Science Society of America Book Series*, **2018**, 655-688		2
160	Adequate Reducing Conditions Enable Conjugation of Oxidized Peptides to Polymers by One-Pot Thiol Click Chemistry. *Bioconjugate Chemistry*, **2018**, 29, 3866-3876	6.3	3
159	Optimization of extraction methods for comprehensive profiling of perfluoroalkyl and polyfluoroalkyl substances in firefighting foam impacted soils. *Analytica Chimica Acta*, **2018**, 1034, 74-84	6.6	45
158	Assessment of the Influence of Soil Characteristics and Hydrocarbon Fuel Cocontamination on the Solvent Extraction of Perfluoroalkyl and Polyfluoroalkyl Substances. *Analytical Chemistry*, **2017**, 89, 2539-2546	7.8	33
157	Environmental Occurrence of Perfluoroalkyl Acids and Novel Fluorotelomer Surfactants in the Freshwater Fish Catostomus commersonii and Sediments Following Firefighting Foam Deployment at the Lac-Mégantic Railway Accident. *Environmental Science & Technology*, **2017**, 51, 1231-1240	10.3	73
156	Effect of accelerating voltage on beam damage of asbestos fibers in the transmission electron microscope (TEM). *Micron*, **2017**, 96, 1-8	2.3	1
155	Advances on the determination of thresholds of Cu phytotoxicity in field-contaminated soils in central Chile. *Environmental Pollution*, **2017**, 223, 146-152	9.3	15
154	Isomers of perfluorooctanesulfonate (PFOS) in cord serum and birth outcomes in China: Guangzhou Birth Cohort Study. *Environment International*, **2017**, 102, 1-8	12.9	46
153	Effect of temperature on beam damage of asbestos fibers in the transmission electron microscope (TEM) at 100kV. *Micron*, **2017**, 94, 26-36	2.3	2
152	Fluoxetine and its active metabolite norfluoxetine disrupt estrogen synthesis in a co-culture model of the feto-placental unit. *Molecular and Cellular Endocrinology*, **2017**, 442, 32-39	4.4	21
151	Nitrification and nitrogen mineralization in agricultural soils contaminated by copper mining activities in Central Chile. *Journal of Soil Science and Plant Nutrition*, **2017**, 0-0	3.2	2

150	Novel Fluoroalkylated Surfactants in Soils Following Firefighting Foam Deployment During the Lac-Mégantic Railway Accident. *Environmental Science & Technology*, **2017**, 51, 8313-8323	10.3	75
149	Analysis of individual and total microcystins in surface water by on-line preconcentration and desalting coupled to liquid chromatography tandem mass spectrometry. *Journal of Chromatography A*, **2017**, 1516, 9-20	4.5	22
148	Analysis of emerging contaminants in water and solid samples using high resolution mass spectrometry with a Q Exactive orbital ion trap and estrogenic activity with YES-assay. *Chemosphere*, **2017**, 166, 400-411	8.4	42
147	Detection of Cyanotoxins in Algae Dietary Supplements. *Toxins*, **2017**, 9,	4.9	68
146	Environmental sciences, sustainable development and circular economy: Alternative concepts for trans-disciplinary research. *Environmental Development*, **2016**, 17, 48-56	4.1	440
145	Generation of Perfluoroalkyl Acids from Aerobic Biotransformation of Quaternary Ammonium Polyfluoroalkyl Surfactants. *Environmental Science & Technology*, **2016**, 50, 9923-32	10.3	89
144	Analysis of steroid hormones and their conjugated forms in water and urine by on-line solid-phase extraction coupled to liquid chromatography tandem mass spectrometry. *Chemistry Central Journal* , **2016**, 10, 30		42
143	Analysis of zwitterionic, cationic, and anionic poly- and perfluoroalkyl surfactants in sediments by liquid chromatography polarity-switching electrospray ionization coupled to high resolution mass spectrometry. *Talanta*, **2016**, 152, 447-56	6.2	64
142	The effects of combined sewer overflow events on riverine sources of drinking water. *Water Research*, **2016**, 92, 218-27	12.5	36
141	Fractionation and analysis of veterinary antibiotics and their related degradation products in agricultural soils and drainage waters following swine manure amendment. *Science of the Total Environment*, **2016**, 543, 524-535	10.2	50
140	Micropollutant Removal Potential by Aged Powdered Activated Carbon. *Journal of Environmental Engineering, ASCE*, **2016**, 142, 04016058	2	2
139	Phytoremediation of groundwater contaminated with pesticides using short-rotation willow crops: A case study of an apple orchard. *International Journal of Phytoremediation*, **2016**, 18, 1128-35	3.9	8
138	MRI pallidal signal in children exposed to manganese in drinking water. *NeuroToxicology*, **2016**, 53, 124-131	4.4	21
137	Cyanotoxin degradation activity and mlr gene expression profiles of a Sphingopyxis sp. isolated from Lake Champlain, Canada. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 1417-1426	4.3	18
136	Quantitative analysis of poly- and perfluoroalkyl compounds in water matrices using high resolution mass spectrometry: optimization for a laser diode thermal desorption method. *Analytica Chimica Acta*, **2015**, 881, 98-106	6.6	31
135	Total Analysis of Microcystins in Fish Tissue Using Laser Thermal Desorption-Atmospheric Pressure Chemical Ionization-High-Resolution Mass Spectrometry (LDTD-APCI-HRMS). *Journal of Agricultural and Food Chemistry*, **2015**, 63, 7440-9	5.7	16
134	Solubility, partitioning, and activity of copper-contaminated soils in a semiarid region. *Journal of Plant Nutrition and Soil Science*, **2015**, 178, 452-459	2.3	16
133	Determination of BMAA and three alkaloid cyanotoxins in lake water using dansyl chloride derivatization and high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 5487-501	4.4	29

132	Thresholds of arsenic toxicity to Eisenia fetida in field-collected agricultural soils exposed to copper mining activities in Chile. *Ecotoxicology and Environmental Safety*, **2015**, 122, 448-54	7	21
131	Biodegradation of multiple microcystins and cylindrospermopsin in clarifier sludge and a drinking water source: Effects of particulate attached bacteria and phycocyanin. *Ecotoxicology and Environmental Safety*, **2015**, 120, 409-17	7	18
130	Adsorption characteristics of multiple microcystins and cylindrospermopsin on sediment: Implications for toxin monitoring and drinking water treatment. *Toxicon*, **2015**, 103, 48-54	2.8	22
129	On-line solid-phase extraction coupled to liquid chromatography tandem mass spectrometry for the analysis of cyanotoxins in algal blooms. *Toxicon*, **2015**, 108, 167-75	2.8	40
128	Quantitative performance of liquid chromatography coupled to Q-Exactive high resolution mass spectrometry (HRMS) for the analysis of tetracyclines in a complex matrix. *Analytica Chimica Acta*, **2015**, 853, 415-424	6.6	57
127	High resolution/accurate mass (HRMS) detection of anatoxin-a in lake water using LDTD-APCI coupled to a Q-Exactive mass spectrometer. *Talanta*, **2015**, 132, 836-44	6.2	19
126	Ozone Oxidation of Antidepressants in Wastewater: Treatment Evaluation and Characterization of New By-Products by LC-QToFMS **2015**, 203-226		
125	Development of a suspect and non-target screening approach to detect veterinary antibiotic residues in a complex biological matrix using liquid chromatography/high-resolution mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2015**, 29, 2361-73	2.2	22
124	Analysis of nine N-nitrosamines using liquid chromatography-accurate mass high resolution-mass spectrometry on a Q-Exactive instrument. *Analytical Methods*, **2015**, 7, 5748-5759	3.2	22
123	Modelling total suspended solids, E. coli and carbamazepine, a tracer of wastewater contamination from combined sewer overflows. *Journal of Hydrology*, **2015**, 531, 830-839	6	24
122	The degradation behaviour of nine diverse contaminants in urban surface water and wastewater prior to water treatment. *Environmental Sciences: Processes and Impacts*, **2015**, 17, 2051-65	4.3	6
121	Temporal analysis of E. coli, TSS and wastewater micropollutant loads from combined sewer overflows: implications for management. *Environmental Sciences: Processes and Impacts*, **2015**, 17, 965-74	4.3	23
120	Thresholds of copper phytotoxicity in field-collected agricultural soils exposed to copper mining activities in Chile. *Ecotoxicology and Environmental Safety*, **2015**, 122, 171-7	7	32
119	A new protocol for the analysis of pharmaceuticals, pesticides, and hormones in sediments and suspended particulate matter from rivers and municipal wastewaters. *Archives of Environmental Contamination and Toxicology*, **2014**, 66, 582-93	3.2	35
118	Toxicity response of a new enzyme-based functional diversity methodology for Zn-contaminated field-collected soils. *Soil Biology and Biochemistry*, **2014**, 71, 87-94	7.5	23
117	Determination of six chemotherapeutic agents in municipal wastewater using online solid-phase extraction coupled to liquid chromatography-tandem mass spectrometry. *Science of the Total Environment*, **2014**, 487, 792-800	10.2	36
116	Total microcystins analysis in water using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry. *Analytica Chimica Acta*, **2014**, 820, 76-83	6.6	28
115	Source tracking of leaky sewers: a novel approach combining fecal indicators in water and sediments. *Water Research*, **2014**, 58, 50-61	12.5	22

114	Effects of silver nanoparticles on soil enzyme activities with and without added organic matter. *Environmental Toxicology and Chemistry*, **2014**, 33, 115-25	3.8	91
113	Time to revisit arsenic regulations: comparing drinking water and rice. *BMC Public Health*, **2014**, 14, 465	4.1	24
112	A review of what is an emerging contaminant. *Chemistry Central Journal*, **2014**, 8, 15		327
111	Analysis of trimethoprim, lincomycin, sulfadoxin and tylosin in swine manure using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry. *Talanta*, **2014**, 128, 23-30	6.2	17
110	Neurobehavioral function in school-age children exposed to manganese in drinking water. *Environmental Health Perspectives*, **2014**, 122, 1343-50	8.4	134
109	Enzymatic functional stability of Zn-contaminated field-collected soils: an ecotoxicological perspective. *Science of the Total Environment*, **2014**, 484, 1-9	10.2	7
108	Degradation of progestagens by oxidation with potassium permanganate in wastewater effluents. *Chemistry Central Journal*, **2013**, 7, 84		16
107	Partitioning of silver and chemical speciation of free Ag in soils amended with nanoparticles. *Chemistry Central Journal*, **2013**, 7, 75		71
106	Ozone oxidation of antidepressants in wastewater -Treatment evaluation and characterization of new by-products by LC-QToFMS. *Chemistry Central Journal*, **2013**, 7, 15		36
105	On-line solid-phase extraction coupled to liquid chromatography tandem mass spectrometry optimized for the analysis of steroid hormones in urban wastewaters. *Talanta*, **2013**, 115, 349-60	6.2	54
104	Temporal variability of combined sewer overflow contaminants: evaluation of wastewater micropollutants as tracers of fecal contamination. *Water Research*, **2013**, 47, 4370-82	12.5	90
103	Species-dependence of cyanobacteria removal efficiency by different drinking water treatment processes. *Water Research*, **2013**, 47, 2689-700	12.5	73
102	Metal toxicity assessment in soils using enzymatic activity: Can water be used as a surrogate buffer?. *Soil Biology and Biochemistry*, **2013**, 57, 256-263	7.5	21
101	Ultra-fast analysis of anatoxin-A using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry: validation and resolution from phenylalanine. *Toxicon*, **2013**, 61, 165-74	2.8	19
100	High-throughput trace analysis of explosives in water by laser diode thermal desorption/atmospheric pressure chemical ionization-tandem mass spectrometry. *Analytical Chemistry*, **2012**, 84, 5731-6	7.8	18
99	Toxic cyanobacterial breakthrough and accumulation in a drinking water plant: a monitoring and treatment challenge. *Water Research*, **2012**, 46, 1511-23	12.5	147
98	Toxic effects of PCDD/Fs mixtures on Eisenia andrei earthworms. *Ecotoxicology and Environmental Safety*, **2012**, 80, 54-9	7	11
97	Effects of lime and compost on earthworm (Eisenia fetida) reproduction in copper and arsenic contaminated soils from the Puchuncavi Valley, Chile. *Ecotoxicology and Environmental Safety*, **2012**, 80, 386-92	7	24

96	Experimental determination of the oral bioavailability and bioaccessibility of lead particles. *Chemistry Central Journal*, **2012**, 6, 138		54
95	Development of a new multi-residue laser diode thermal desorption atmospheric pressure chemical ionization tandem mass spectrometry method for the detection and quantification of pesticides and pharmaceuticals in wastewater samples. *Analytica Chimica Acta*, **2012**, 754, 75-82	6.6	30
94	Using a novel sol-gel stir bar sorptive extraction method for the analysis of steroid hormones in water by laser diode thermal desorption/atmospheric chemical ionization tandem mass spectrometry. *Talanta*, **2012**, 101, 337-45	6.2	40
93	Mass Spectrometry for Trace Analysis of Explosives in Water. *Critical Reviews in Analytical Chemistry* , **2012**, 42, 257-271	5.2	31
92	Fecal coliforms, caffeine and carbamazepine in stormwater collection systems in a large urban area. *Chemosphere*, **2012**, 86, 118-23	8.4	93
91	Evaluating pharmaceuticals and caffeine as indicators of fecal contamination in drinking water sources of the Greater Montreal region. *Chemosphere*, **2012**, 88, 131-9	8.4	109
90	Distribution of antidepressants and their metabolites in brook trout exposed to municipal wastewaters before and after ozone treatment--evidence of biological effects. *Chemosphere*, **2011**, 83, 564-71	8.4	103
89	Quantification of carbamazepine and atrazine and screening of suspect organic contaminants in surface and drinking waters. *Chemosphere*, **2011**, 84, 1085-94	8.4	49
88	Comparison of APPI, APCI and ESI for the LC-MS/MS analysis of bezafibrate, cyclophosphamide, enalapril, methotrexate and orlistat in municipal wastewater. *Journal of Mass Spectrometry*, **2011**, 46, 383-90	2.2	50
87	High throughput analysis of solid-bound endocrine disruptors by LDTD-APCI-MS/MS. *Journal of Environmental Monitoring*, **2011**, 13, 583-90		48
86	Predicting Al, Cu, and Zn concentrations in the fine roots of trembling aspen (Populus tremuloides) using bulk and rhizosphere soil properties. *Canadian Journal of Forest Research*, **2011**, 41, 1267-1279	1.9	1
85	Performance of point-of-use devices to remove manganese from drinking water. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2011**, 46, 601-7	2.3	15
84	Intellectual impairment in school-age children exposed to manganese from drinking water. *Environmental Health Perspectives*, **2011**, 119, 138-43	8.4	406
83	Quantitative analysis of volatile methylsiloxanes in waste-to-energy landfill biogases using direct APCI-MS/MS. *Environmental Science & Technology*, **2010**, 44, 600-5	10.3	35
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