

Sbastien Sauv

List of Publications by Citations

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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	Solid-Solution Partitioning of Metals in Contaminated Soils: Dependence on pH, Total Metal Burden, and Organic Matter. <i>Environmental Science & Technology</i> , 2000 , 34, 1125-1131	10.3	849
238	Environmental sciences, sustainable development and circular economy: Alternative concepts for trans-disciplinary research. <i>Environmental Development</i> , 2016 , 17, 48-56	4.1	440
237	Intellectual impairment in school-age children exposed to manganese from drinking water. <i>Environmental Health Perspectives</i> , 2011 , 119, 138-43	8.4	406
236	A review of what is an emerging contaminant. <i>Chemistry Central Journal</i> , 2014 , 8, 15		327
235	MOBILITY AND SOLUBILITY OF TOXIC METALS AND NUTRIENTS IN SOIL FIFTEEN YEARS AFTER SLUDGE APPLICATION. <i>Soil Science</i> , 1997 , 162, 487-500	0.9	257
234	Speciation and Complexation of Cadmium in Extracted Soil Solutions. <i>Environmental Science & Technology</i> , 2000 , 34, 291-296	10.3	248
233	Ozone oxidation of pharmaceuticals, endocrine disruptors and pesticides during drinking water treatment. <i>Water Research</i> , 2009 , 43, 4707-17	12.5	244
232	Copper Solubility and Speciation of In Situ Contaminated Soils: Effects of Copper Level, pH and Organic Matter. <i>Water, Air, and Soil Pollution</i> , 1997 , 100, 133-149	2.6	220
231	Ecotoxicity of CdTe quantum dots to freshwater mussels: impacts on immune system, oxidative stress and genotoxicity. <i>Aquatic Toxicology</i> , 2008 , 86, 333-40	5.1	210
230	Review of the occurrence of anti-infectives in contaminated wastewaters and natural and drinking waters. <i>Environmental Health Perspectives</i> , 2009 , 117, 675-84	8.4	202
229	Determination of basic antidepressants and their N-desmethyl metabolites in raw sewage and wastewater using solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 5325-33	7.8	195
228	Soil Solution Speciation of Lead(II): Effects of Organic Matter and pH. <i>Soil Science Society of America Journal</i> , 1998 , 62, 618-621	2.5	178
227	Derivation of soil quality criteria using predicted chemical speciation of Pb ²⁺ and Cu ²⁺ . <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 1481-1489	3.8	163
226	Cadmium and zinc in soil solution extracts following the application of phosphate fertilizers. <i>Science of the Total Environment</i> , 2007 , 378, 293-305	10.2	150
225	Toxic cyanobacterial breakthrough and accumulation in a drinking water plant: a monitoring and treatment challenge. <i>Water Research</i> , 2012 , 46, 1511-23	12.5	147
224	CO ₂ Sequestration Potential of Steel Slags at Ambient Pressure and Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7610-7616	3.9	138
223	Solid-solution partitioning of Cd, Cu, Ni, Pb, and Zn in the organic horizons of a forest soil. <i>Environmental Science & Technology</i> , 2003 , 37, 5191-6	10.3	138

222	Neurobehavioral function in school-age children exposed to manganese in drinking water. <i>Environmental Health Perspectives</i> , 2014 , 122, 1343-50	8.4	134
221	Analysis of natural and synthetic estrogenic endocrine disruptors in environmental waters using online preconcentration coupled with LC-APPI-MS/MS. <i>Talanta</i> , 2008 , 76, 1088-96	6.2	133
220	Worldwide drinking water occurrence and levels of newly-identified perfluoroalkyl and polyfluoroalkyl substances. <i>Science of the Total Environment</i> , 2018 , 616-617, 1089-1100	10.2	129
219	Speciation of Lead in Contaminated Soils. <i>Environmental Pollution</i> , 1997 , 98, 149-155	9.3	128
218	Phagocytic activity of marine and freshwater bivalves: in vitro exposure of hemocytes to metals (Ag, Cd, Hg and Zn). <i>Aquatic Toxicology</i> , 2002 , 58, 189-200	5.1	128
217	Linking plant tissue concentrations and soil copper pools in urban contaminated soils. <i>Environmental Pollution</i> , 1996 , 94, 153-7	9.3	128
216	Toxicity interaction of metals (Ag, Cu, Hg, Zn) to urease and dehydrogenase activities in soils. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 2329-2338	7.5	125
215	Mechanisms and Pathways of Trace Element Mobility in Soils. <i>Advances in Agronomy</i> , 2006 , 111-178	7.7	117
214	Evaluating pharmaceuticals and caffeine as indicators of fecal contamination in drinking water sources of the Greater Montreal region. <i>Chemosphere</i> , 2012 , 88, 131-9	8.4	109
213	Adsorption of Free Lead (Pb ²⁺) by Pedogenic Oxides, Ferrihydrite, and Leaf Compost. <i>Soil Science Society of America Journal</i> , 2000 , 64, 595-599	2.5	105
212	Distribution of antidepressants and their metabolites in brook trout exposed to municipal wastewaters before and after ozone treatment—evidence of biological effects. <i>Chemosphere</i> , 2011 , 83, 564-71	8.4	103
211	Fecal coliforms, caffeine and carbamazepine in stormwater collection systems in a large urban area. <i>Chemosphere</i> , 2012 , 86, 118-23	8.4	93
210	Effects of silver nanoparticles on soil enzyme activities with and without added organic matter. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 115-25	3.8	91
209	Temporal variability of combined sewer overflow contaminants: evaluation of wastewater micropollutants as tracers of fecal contamination. <i>Water Research</i> , 2013 , 47, 4370-82	12.5	90
208	Generation of Perfluoroalkyl Acids from Aerobic Biotransformation of Quaternary Ammonium Polyfluoroalkyl Surfactants. <i>Environmental Science & Technology</i> , 2016 , 50, 9923-32	10.3	89
207	On-line solid-phase extraction of large-volume injections coupled to liquid chromatography-tandem mass spectrometry for the quantitation and confirmation of 14 selected trace organic contaminants in drinking and surface water. <i>Journal of Chromatography A</i> , 2009 , 1216, 8518-27	4.5	89
206	Uptake of trace metals by the earthworm <i>Lumbricus terrestris</i> L. in urban contaminated soils. <i>Applied Soil Ecology</i> , 2002 , 19, 191-198	5	85
205	Copper speciation and microbial activity in long-term contaminated soils. <i>Archives of Environmental Contamination and Toxicology</i> , 1999 , 36, 124-31	3.2	80

204	Widespread occurrence and spatial distribution of glyphosate, atrazine, and neonicotinoids pesticides in the St. Lawrence and tributary rivers. <i>Environmental Pollution</i> , 2019 , 250, 29-39	9.3	77
203	Lead Phosphate Solubility in Water and Soil Suspensions. <i>Environmental Science & Technology</i> , 1998 , 32, 388-393	10.3	77
202	Novel Fluoroalkylated Surfactants in Soils Following Firefighting Foam Deployment During the Lac-Mégantic Railway Accident. <i>Environmental Science & Technology</i> , 2017 , 51, 8313-8323	10.3	75
201	Environmental Occurrence of Perfluoroalkyl Acids and Novel Fluorotelomer Surfactants in the Freshwater Fish <i>Catostomus commersonii</i> and Sediments Following Firefighting Foam Deployment at the Lac-Mégantic Railway Accident. <i>Environmental Science & Technology</i> , 2017 , 51, 1231-1240	10.3	73
200	Species-dependence of cyanobacteria removal efficiency by different drinking water treatment processes. <i>Water Research</i> , 2013 , 47, 2689-700	12.5	73
199	Partitioning of silver and chemical speciation of free Ag in soils amended with nanoparticles. <i>Chemistry Central Journal</i> , 2013 , 7, 75		71
198	Use of an ion-selective electrode for free copper measurements in low salinity and low ionic strength matrices. <i>Environmental Chemistry</i> , 2007 , 4, 90	3.2	69
197	Detection of Cyanotoxins in Algae Dietary Supplements. <i>Toxins</i> , 2017 , 9,	4.9	68
196	Degradation and defluorination of 6:2 fluorotelomer sulfonamidoalkyl betaine and 6:2 fluorotelomer sulfonate by <i>Gordonia</i> sp. strain NB4-1Y under sulfur-limiting conditions. <i>Science of the Total Environment</i> , 2019 , 647, 690-698	10.2	66
195	Ion-selective electrode measurements of copper(II) activity in contaminated soils. <i>Archives of Environmental Contamination and Toxicology</i> , 1995 , 29, 373-379	3.2	66
194	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. <i>Talanta</i> , 2016 , 152, 447-56	6.2	64
193	Analysis of F-53B, Gen-X, ADONA, and emerging fluoroalkylether substances in environmental and biomonitoring samples: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2019 , 23, e00066	12	63
192	On-line solid phase extraction and liquid chromatography/tandem mass spectrometry to quantify pharmaceuticals, pesticides and some metabolites in wastewaters, drinking, and surface waters. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 482-9		60
191	Quantitative performance of liquid chromatography coupled to Q-Exactive high resolution mass spectrometry (HRMS) for the analysis of tetracyclines in a complex matrix. <i>Analytica Chimica Acta</i> , 2015 , 853, 415-424	6.6	57
190	Laser diode thermal desorption/atmospheric pressure chemical ionization tandem mass spectrometry analysis of selected steroid hormones in wastewater: method optimization and application. <i>Analytical Chemistry</i> , 2010 , 82, 639-45	7.8	56
189	Oxidation kinetics of cyclophosphamide and methotrexate by ozone in drinking water. <i>Chemosphere</i> , 2010 , 79, 1056-63	8.4	55
188	Zwitterionic, cationic, and anionic perfluoroalkyl and polyfluoroalkyl substances integrated into total oxidizable precursor assay of contaminated groundwater. <i>Talanta</i> , 2019 , 195, 533-542	6.2	55
187	On-line solid-phase extraction coupled to liquid chromatography tandem mass spectrometry optimized for the analysis of steroid hormones in urban wastewaters. <i>Talanta</i> , 2013 , 115, 349-60	6.2	54

186	Experimental determination of the oral bioavailability and bioaccessibility of lead particles. <i>Chemistry Central Journal</i> , 2012 , 6, 138		54
185	CO ₂ Sequestration by Aqueous Red Mud Carbonation at Ambient Pressure and Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7617-7622	3.9	51
184	Phagocytic response of terrestrial and aquatic invertebrates following in vitro exposure to trace elements. <i>Ecotoxicology and Environmental Safety</i> , 2002 , 52, 21-9	7	51
183	Fractionation and analysis of veterinary antibiotics and their related degradation products in agricultural soils and drainage waters following swine manure amendment. <i>Science of the Total Environment</i> , 2016 , 543, 524-535	10.2	50
182	Comparison of APPI, APCI and ESI for the LC-MS/MS analysis of bezafibrate, cyclophosphamide, enalapril, methotrexate and orlistat in municipal wastewater. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 383-90	2.2	50
181	Quantification of carbamazepine and atrazine and screening of suspect organic contaminants in surface and drinking waters. <i>Chemosphere</i> , 2011 , 84, 1085-94	8.4	49
180	High throughput analysis of solid-bound endocrine disruptors by LDTD-APCI-MS/MS. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 583-90		48
179	Synthetic hospital wastewater treatment by coupling submerged membrane bioreactor and electrochemical advanced oxidation process: Kinetic study and toxicity assessment. <i>Chemosphere</i> , 2018 , 193, 160-169	8.4	48
178	Toxicity interactions of cadmium, copper, and lead on soil urease and dehydrogenase activity in relation to chemical speciation. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 70, 1-9	7	47
177	Isomers of perfluorooctanesulfonate (PFOS) in cord serum and birth outcomes in China: Guangzhou Birth Cohort Study. <i>Environment International</i> , 2017 , 102, 1-8	12.9	46
176	Direct analysis of volatile methylsiloxanes in gaseous matrixes using atmospheric pressure chemical ionization-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 7288-93	7.8	46
175	High-throughput quantitation of seven sulfonamide residues in dairy milk using laser diode thermal desorption-negative mode atmospheric pressure chemical ionization tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 1442-6	5.7	45
174	Speciation of zinc in contaminated soils. <i>Environmental Pollution</i> , 2008 , 155, 208-16	9.3	45
173	Optimization of extraction methods for comprehensive profiling of perfluoroalkyl and polyfluoroalkyl substances in firefighting foam impacted soils. <i>Analytica Chimica Acta</i> , 2018 , 1034, 74-84 ^{6.6}		45
172	Determination of bezafibrate, methotrexate, cyclophosphamide, orlistat and enalapril in waste and surface waters using on-line solid-phase extraction liquid chromatography coupled to polarity-switching electrospray tandem mass spectrometry. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 830-8		44
171	Nitrification potential in field-collected soils contaminated with Pb or Cu. <i>Applied Soil Ecology</i> , 1999 , 12, 29-39	5	44
170	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. <i>Chemistry Central Journal</i> , 2016 , 10, 30		42
169	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. <i>Chemosphere</i> , 2017 , 166, 400-411	8.4	42

168	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. <i>Journal of Chromatography A</i> , 2019 , 1591, 87-98	4.5	41
167	On-line solid-phase extraction coupled to liquid chromatography tandem mass spectrometry for the analysis of cyanotoxins in algal blooms. <i>Toxicon</i> , 2015 , 108, 167-75	2.8	40
166	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. <i>Talanta</i> , 2012 , 101, 337-45	6.2	40
165	Prediction of cadmium and zinc concentration in wheat grain from soils affected by the application of phosphate fertilizers varying in Cd concentration. <i>Nutrient Cycling in Agroecosystems</i> , 2009 , 83, 125-133	3.3	40
164	A benchmark concentration analysis for manganese in drinking water and IQ deficits in children. <i>Environment International</i> , 2019 , 130, 104889	12.9	39
163	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. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2765-2779	4.4	37
162	Molecular analysis of carbon dioxide adsorption processes on steel slag oxides. <i>International Journal of Greenhouse Gas Control</i> , 2009 , 3, 20-28	4.2	37
161	Copper mobility in contaminated soils of the Puchuncaví valley, central Chile. <i>Geoderma</i> , 2009 , 150, 359-366	3.6	37
160	Modeling of Cd and Pb speciation in soil solutions by WinHumicV and NICA-Donnan model. <i>Environmental Modelling and Software</i> , 2005 , 20, 353-359	5.2	37
159	The effects of combined sewer overflow events on riverine sources of drinking water. <i>Water Research</i> , 2016 , 92, 218-27	12.5	36
158	Determination of six chemotherapeutic agents in municipal wastewater using online solid-phase extraction coupled to liquid chromatography-tandem mass spectrometry. <i>Science of the Total Environment</i> , 2014 , 487, 792-800	10.2	36
157	Ozone oxidation of antidepressants in wastewater -Treatment evaluation and characterization of new by-products by LC-QToFMS. <i>Chemistry Central Journal</i> , 2013 , 7, 15		36
156	A fully automated on-line preconcentration and liquid chromatography-tandem mass spectrometry method for the analysis of anti-infectives in wastewaters. <i>Analytica Chimica Acta</i> , 2007 , 604, 147-57	6.6	36
155	Preventing biofilm development on DGT devices using metals and antibiotics. <i>Talanta</i> , 2007 , 72, 716-22	6.2	36
154	A new protocol for the analysis of pharmaceuticals, pesticides, and hormones in sediments and suspended particulate matter from rivers and municipal wastewaters. <i>Archives of Environmental Contamination and Toxicology</i> , 2014 , 66, 582-93	3.2	35
153	Quantitative analysis of volatile methylsiloxanes in waste-to-energy landfill biogases using direct APCI-MS/MS. <i>Environmental Science & Technology</i> , 2010 , 44, 600-5	10.3	35
152	Critical loads of metals and other trace elements to terrestrial environments. <i>Environmental Science & Technology</i> , 2007 , 41, 6326-31	10.3	34
151	Adsorption of micropollutants present in surface waters onto polymeric resins: Impact of resin type and water matrix on performance. <i>Science of the Total Environment</i> , 2019 , 660, 1449-1458	10.2	34

150	Assessment of the Influence of Soil Characteristics and Hydrocarbon Fuel Cocontamination on the Solvent Extraction of Perfluoroalkyl and Polyfluoroalkyl Substances. <i>Analytical Chemistry</i> , 2017 , 89, 2539-2546 ^{7.8}	33
149	Occurrence of pesticides in fruits and vegetables from organic and conventional agriculture by QuEChERS extraction liquid chromatography tandem mass spectrometry. <i>Food Control</i> , 2019 , 104, 74-82 ^{6.2}	33
148	Direct atmospheric pressure chemical ionization-tandem mass spectrometry for the continuous real-time trace analysis of benzene, toluene, ethylbenzene, and xylenes in ambient air. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 829-36	3.5 33
147	Real-time continuous monitoring methods for airborne VOCs. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 931-940	14.6 33
146	Transformation of novel polyfluoroalkyl substances (PFASs) as co-contaminants during biopile remediation of petroleum hydrocarbons. <i>Journal of Hazardous Materials</i> , 2019 , 362, 140-147	12.8 33
145	Thresholds of copper phytotoxicity in field-collected agricultural soils exposed to copper mining activities in Chile. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 122, 171-7	7 32
144	Effect of copper on soil functional stability measured by relative soil stability index (RSSI) based on two enzyme activities. <i>Chemosphere</i> , 2008 , 72, 755-62	8.4 32
143	Analysis of multiclass cyanotoxins (microcystins, anabaenopeptins, cylindrospermopsin and anatoxins) in lake waters using on-line SPE liquid chromatography high-resolution Orbitrap mass spectrometry. <i>Analytical Methods</i> , 2019 , 11, 5289-5300	3.2 32
142	Quantitative analysis of poly- and perfluoroalkyl compounds in water matrices using high resolution mass spectrometry: optimization for a laser diode thermal desorption method. <i>Analytica Chimica Acta</i> , 2015 , 881, 98-106	6.6 31
141	Occurrence and Distribution of Per- and Polyfluoroalkyl Substances in Tianjin, China: The Contribution of Emerging and Unknown Analogues. <i>Environmental Science & Technology</i> , 2020 , 54, 14254-14264	10.3 31
140	Changes in water manganese levels and longitudinal assessment of intellectual function in children exposed through drinking water. <i>NeuroToxicology</i> , 2018 , 64, 118-125	4.4 31
139	Mass Spectrometry for Trace Analysis of Explosives in Water. <i>Critical Reviews in Analytical Chemistry</i> , 2012 , 42, 257-271	5.2 31
138	Determination of six anti-infectives in wastewater using tandem solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 307-13	31
137	Copper inhibition of soil organic matter decomposition in a seventy-year field exposure. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 854-7	3.8 31
136	Thermally Induced Release of Adsorbed Pb upon Aging Ferrihydrite and Soil Oxides. <i>Environmental Science & Technology</i> , 1999 , 33, 2016-2020	10.3 31
135	Removal of micropollutants by fresh and colonized magnetic powdered activated carbon. <i>Journal of Hazardous Materials</i> , 2018 , 360, 349-355	12.8 30
134	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. <i>Analytica Chimica Acta</i> , 2012 , 754, 75-82	6.6 30
133	Determination of BMAA and three alkaloid cyanotoxins in lake water using dansyl chloride derivatization and high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5487-501	4.4 29

132	Seasonal variations of steroid hormones released by wastewater treatment plants to river water and sediments: Distribution between particulate and dissolved phases. <i>Science of the Total Environment</i> , 2018 , 635, 144-155	10.2	29
131	BTEX Exposures among Automobile Mechanics and Painters and Their Associated Health Risks. <i>Human and Ecological Risk Assessment (HERA)</i> , 2010 , 16, 301-316	4.9	29
130	. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 1481	3.8	29
129	Total microcystins analysis in water using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2014 , 820, 76-83	6.6	28
128	Effects of cadmium telluride quantum dots on cadmium bioaccumulation and metallothionein production to the freshwater mussel, <i>Elliptio complanata</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 150, 246-51	3.2	28
127	Using diffusive gradients in thin-films for in situ monitoring of dissolved phosphate emissions from freshwater aquaculture. <i>Aquaculture</i> , 2009 , 286, 198-202	4.4	28
126	Time-dependent integrity during storage of natural surface water samples for the trace analysis of pharmaceutical products, feminizing hormones and pesticides. <i>Chemistry Central Journal</i> , 2010 , 4, 10		27
125	Age-specific immunocompetence of the earthworm <i>Eisenia andrei</i> : exposure to methylmercury chloride. <i>Ecotoxicology and Environmental Safety</i> , 2005 , 60, 67-72	7	26
124	Quality survey and spatiotemporal variations of atrazine and desethylatrazine in drinking water in Quebec, Canada. <i>Science of the Total Environment</i> , 2019 , 671, 578-585	10.2	25
123	Molecular mechanisms of per- and polyfluoroalkyl substances on a modified clay: a combined experimental and molecular simulation study. <i>Water Research</i> , 2020 , 184, 116166	12.5	25
122	Time to revisit arsenic regulations: comparing drinking water and rice. <i>BMC Public Health</i> , 2014 , 14, 465	4.1	24
121	Modelling total suspended solids, E. coli and carbamazepine, a tracer of wastewater contamination from combined sewer overflows. <i>Journal of Hydrology</i> , 2015 , 531, 830-839	6	24
120	Effects of lime and compost on earthworm (<i>Eisenia fetida</i>) reproduction in copper and arsenic contaminated soils from the Puchuncavil Valley, Chile. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 386-92	7	24
119	Lead removal from tap water using POU devices. <i>Journal - American Water Works Association</i> , 2010 , 102, 91-105	0.5	24
118	Toxicity response of a new enzyme-based functional diversity methodology for Zn-contaminated field-collected soils. <i>Soil Biology and Biochemistry</i> , 2014 , 71, 87-94	7.5	23
117	Temporal analysis of E. coli, TSS and wastewater micropollutant loads from combined sewer overflows: implications for management. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 965-74	4.3	23
116	Low metal bioavailability in a contaminated urban site. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 954-961	3.8	23
115	Adsorption characteristics of multiple microcystins and cylindrospermopsin on sediment: Implications for toxin monitoring and drinking water treatment. <i>Toxicon</i> , 2015 , 103, 48-54	2.8	22

114	Source tracking of leaky sewers: a novel approach combining fecal indicators in water and sediments. <i>Water Research</i> , 2014 , 58, 50-61	12.5	22
113	Analysis of individual and total microcystins in surface water by on-line preconcentration and desalting coupled to liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1516, 9-20	4.5	22
112	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. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 2361-73	2.2	22
111	Analysis of nine N-nitrosamines using liquid chromatography-accurate mass high resolution-mass spectrometry on a Q-Exactive instrument. <i>Analytical Methods</i> , 2015 , 7, 5748-5759	3.2	22
110	Fluoxetine and its active metabolite norfluoxetine disrupt estrogen synthesis in a co-culture model of the fetoplacental unit. <i>Molecular and Cellular Endocrinology</i> , 2017 , 442, 32-39	4.4	21
109	Thresholds of arsenic toxicity to <i>Eisenia fetida</i> in field-collected agricultural soils exposed to copper mining activities in Chile. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 122, 448-54	7	21
108	Metal toxicity assessment in soils using enzymatic activity: Can water be used as a surrogate buffer?. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 256-263	7.5	21
107	Comparing WHAM 6 and MINEQL+ 4.5 for the chemical speciation of Cu ²⁺ in the rhizosphere of forest soils. <i>Environmental Science & Technology</i> , 2007 , 41, 8104-10	10.3	21
106	MRI pallidal signal in children exposed to manganese in drinking water. <i>NeuroToxicology</i> , 2016 , 53, 124-131	11.1	21
105	Temporal variability of parasites, bacterial indicators, and wastewater micropollutants in a water resource recovery facility under various weather conditions. <i>Water Research</i> , 2019 , 148, 446-458	12.5	21
104	The bacterial community structure of submerged membrane bioreactor treating synthetic hospital wastewater. <i>Bioresource Technology</i> , 2019 , 286, 121362	11	20
103	Soil and indoor dust as environmental media of human exposure to As, Cd, Cu, and Pb near a copper smelter in central Chile. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 54, 156-162	4.1	20
102	Predicting Cd partitioning in spiked soils and bioaccumulation in the earthworm <i>Eisenia fetida</i> . <i>Applied Soil Ecology</i> , 2009 , 42, 118-123	5	20
101	High resolution/accurate mass (HRMS) detection of anatoxin-a in lake water using LDTD-APCI coupled to a Q-Exactive mass spectrometer. <i>Talanta</i> , 2015 , 132, 836-44	6.2	19
100	Ultra-fast analysis of anatoxin-A using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry: validation and resolution from phenylalanine. <i>Toxicon</i> , 2013 , 61, 165-74	2.8	19
99	Equilibrium Speciation of Cadmium, Copper, and Lead in Soil Solutions. <i>Communications in Soil Science and Plant Analysis</i> , 2005 , 36, 1537-1556	1.5	19
98	Biodegradation of multiple microcystins and cylindrospermopsin in clarifier sludge and a drinking water source: Effects of particulate attached bacteria and phycocyanin. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 120, 409-17	7	18
97	High-throughput trace analysis of explosives in water by laser diode thermal desorption/atmospheric pressure chemical ionization-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 5731-6	7.8	18

96	Influence of microorganisms on Cu speciation in the rhizosphere of forest soils. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 2441-2451	7.5	18
95	Cyanotoxin degradation activity and mlr gene expression profiles of a <i>Sphingopyxis</i> sp. isolated from Lake Champlain, Canada. <i>Environmental Sciences: Processes and Impacts</i> , 2016 , 18, 1417-1426	4.3	18
94	Biological ion exchange as an alternative to biological activated carbon for drinking water treatment. <i>Water Research</i> , 2020 , 168, 115148	12.5	18
93	Electrochemical treatment of real hospital wastewaters and monitoring of pharmaceutical residues by using surrogate models. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103332	6.8	17
92	Analysis of trimethoprim, lincomycin, sulfadoxin and tylosin in swine manure using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry. <i>Talanta</i> , 2014 , 128, 23-30	6.2	17
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