

SÃ©bastien SauvÃ©

List of Publications by Year in descending order

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250
papers

14,707
citations

22146

59
h-index

24978

109
g-index

254
all docs

254
docs citations

254
times ranked

14620
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.0	961
2	Environmental sciences, sustainable development and circular economy: Alternative concepts for trans-disciplinary research. <i>Environmental Development</i> , 2016, 17, 48-56.	4.1	665
3	Intellectual Impairment in School-Age Children Exposed to Manganese from Drinking Water. <i>Environmental Health Perspectives</i> , 2011, 119, 138-143.	6.0	503
4	A review of what is an emerging contaminant. <i>Chemistry Central Journal</i> , 2014, 8, 15.	2.6	458
5	Ozone oxidation of pharmaceuticals, endocrine disruptors and pesticides during drinking water treatment. <i>Water Research</i> , 2009, 43, 4707-4717.	11.3	287
6	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	286
7	Speciation and Complexation of Cadmium in Extracted Soil Solutions. <i>Environmental Science & Technology</i> , 2000, 34, 291-296.	10.0	283
8	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1997, 100, 133-149.	2.4	261
9	Review of the Occurrence of Anti-infectives in Contaminated Wastewaters and Natural and Drinking Waters. <i>Environmental Health Perspectives</i> , 2009, 117, 675-684.	6.0	233
10	Ecotoxicity of CdTe quantum dots to freshwater mussels: Impacts on immune system, oxidative stress and genotoxicity. <i>Aquatic Toxicology</i> , 2008, 86, 333-340.	4.0	226
11	Determination of Basic Antidepressants and Their <i>N</i> -Desmethyl Metabolites in Raw Sewage and Wastewater Using Solid-Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 5325-5333.	6.5	220
12	Soil Solution Speciation of Lead(II): Effects of Organic Matter and pH. <i>Soil Science Society of America Journal</i> , 1998, 62, 618-621.	2.2	216
13	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.	8.0	202
14	Toxic cyanobacterial breakthrough and accumulation in a drinking water plant: A monitoring and treatment challenge. <i>Water Research</i> , 2012, 46, 1511-1523.	11.3	188
15	Neurobehavioral Function in School-Age Children Exposed to Manganese in Drinking Water. <i>Environmental Health Perspectives</i> , 2014, 122, 1343-1350.	6.0	188
16	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.	4.3	185
17	Cadmium and zinc in soil solution extracts following the application of phosphate fertilizers. <i>Science of the Total Environment</i> , 2007, 378, 293-305.	8.0	176
18	CO ₂ Sequestration Potential of Steel Slags at Ambient Pressure and Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7610-7616.	3.7	166

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19	SolidâSolution Partitioning of Cd, Cu, Ni, Pb, and Zn in the Organic Horizons of a Forest Soil. <i>Environmental Science & Technology</i> , 2003, 37, 5191-5196.	10.0	164
20	Speciation of Lead in Contaminated Soils. <i>Environmental Pollution</i> , 1997, 98, 149-155.	7.5	147
21	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.	8.8	146
22	Phagocytic activity of marine and freshwater bivalves: in vitro exposure of hemocytes to metals (Ag, Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.0	145
23	Linking plant tissue concentrations and soil copper pools in urban contaminated soils. <i>Environmental Pollution</i> , 1996, 94, 153-157.	7.5	144
24	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, 1088-1096.	5.5	144
25	Mechanisms and Pathways of Trace Element Mobility in Soils. <i>Advances in Agronomy</i> , 2006, , 111-178.	5.2	142
26	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.	7.5	131
27	Evaluating pharmaceuticals and caffeine as indicators of fecal contamination in drinking water sources of the Greater Montreal region. <i>Chemosphere</i> , 2012, 88, 131-139.	8.2	130
28	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.	10.3	123
29	Distribution of antidepressants and their metabolites in brook trout exposed to municipal wastewaters before and after ozone treatment â Evidence of biological effects. <i>Chemosphere</i> , 2011, 83, 564-571.	8.2	122
30	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.	2.2	118
31	Generation of Perfluoroalkyl Acids from Aerobic Biotransformation of Quaternary Ammonium Polyfluoroalkyl Surfactants. <i>Environmental Science & Technology</i> , 2016, 50, 9923-9932.	10.0	118
32	Fecal coliforms, caffeine and carbamazepine in stormwater collection systems in a large urban area. <i>Chemosphere</i> , 2012, 86, 118-123.	8.2	115
33	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.	8.0	115
34	Effects of silver nanoparticles on soil enzyme activities with and without added organic matter. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 115-125.	4.3	112
35	Zwitterionic, cationic, and anionic perfluoroalkyl and polyfluoroalkyl substances integrated into total oxidizable precursor assay of contaminated groundwater. <i>Talanta</i> , 2019, 195, 533-542.	5.5	111
36	Temporal variability of combined sewer overflow contaminants: Evaluation of wastewater micropollutants as tracers of fecal contamination. <i>Water Research</i> , 2013, 47, 4370-4382.	11.3	109

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37	Copper Speciation and Microbial Activity in Long-Term Contaminated Soils. Archives of Environmental Contamination and Toxicology, 1999, 36, 124-131.	4.1	107
38	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. Journal of Chromatography A, 2009, 1216, 8518-8527.	3.7	102
39	Novel Fluoroalkylated Surfactants in Soils Following Firefighting Foam Deployment During the Lac-MÃ©gantic Railway Accident. Environmental Science & Technology, 2017, 51, 8313-8323.	10.0	98
40	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-MÃ©gantic Railway Accident. Environmental Science & Technology, 2017, 51, 1231-1240.	10.0	97
41	Detection of Cyanotoxins in Algae Dietary Supplements. Toxins, 2017, 9, 76.	3.4	96
42	Uptake of trace metals by the earthworm <i>Lumbricus terrestris</i> L. in urban contaminated soils. Applied Soil Ecology, 2002, 19, 191-198.	4.3	93
43	Lead Phosphate Solubility in Water and Soil Suspensions. Environmental Science & Technology, 1998, 32, 388-393.	10.0	87
44	Species-dependence of cyanobacteria removal efficiency by different drinking water treatment processes. Water Research, 2013, 47, 2689-2700.	11.3	85
45	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.	10.0	85
46	Partitioning of silver and chemical speciation of free Ag in soils amended with nanoparticles. Chemistry Central Journal, 2013, 7, 75.	2.6	84
47	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, 447-456.	5.5	82
48	Ion-selective electrode measurements of copper(II) activity in contaminated soils. Archives of Environmental Contamination and Toxicology, 1995, 29, 373-379.	4.1	77
49	Use of an ion-selective electrode for free copper measurements in low salinity and low ionic strength matrices. Environmental Chemistry, 2007, 4, 90.	1.5	76
50	On-line solid phase extraction and liquid chromatography/tandem mass spectrometry to quantify pharmaceuticals, pesticides and some metabolites in wastewaters, drinking, and surface waters. Journal of Environmental Monitoring, 2008, 10, 482.	2.1	74
51	CO ₂ Sequestration by Aqueous Red Mud Carbonation at Ambient Pressure and Temperature. Industrial & Engineering Chemistry Research, 2008, 47, 7617-7622.	3.7	74
52	A benchmark concentration analysis for manganese in drinking water and IQ deficits in children. Environment International, 2019, 130, 104889.	10.0	72
53	Isomers of perfluorooctanesulfonate (PFOS) in cord serum and birth outcomes in China: Guangzhou Birth Cohort Study. Environment International, 2017, 102, 1-8.	10.0	71
54	Target and Nontarget Screening of PFAS in Biosolids, Composts, and Other Organic Waste Products for Land Application in France. Environmental Science & Technology, 2022, 56, 6056-6068.	10.0	70

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55	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.	8.0	69
56	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.	8.2	69
57	Experimental determination of the oral bioavailability and bioaccessibility of lead particles. <i>Chemistry Central Journal</i> , 2012, 6, 138.	2.6	68
58	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.	5.4	65
59	Oxidation kinetics of cyclophosphamide and methotrexate by ozone in drinking water. <i>Chemosphere</i> , 2010, 79, 1056-1063.	8.2	63
60	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.	5.4	63
61	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.	11.3	62
62	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, 639-645.	6.5	60
63	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, 349-360.	5.5	60
64	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.	6.0	58
65	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.	3.7	58
66	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.	8.2	57
67	Phagocytic Response of Terrestrial and Aquatic Invertebrates Following in Vitro Exposure to Trace Elements. <i>Ecotoxicology and Environmental Safety</i> , 2002, 52, 21-29.	6.0	56
68	Quantification of carbamazepine and atrazine and screening of suspect organic contaminants in surface and drinking waters. <i>Chemosphere</i> , 2011, 84, 1085-1094.	8.2	56
69	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.	8.0	56
70	Nitrification potential in field-collected soils contaminated with Pb or Cu. <i>Applied Soil Ecology</i> , 1999, 12, 29-39.	4.3	55
71	Speciation of zinc in contaminated soils. <i>Environmental Pollution</i> , 2008, 155, 208-216.	7.5	54
72	High throughput analysis of solid-bound endocrine disruptors by LDTD-APCI-MS/MS. <i>Journal of Environmental Monitoring</i> , 2011, 13, 583.	2.1	53

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73	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, 383-390.	1.6	53
74	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.	3.7	52
75	Direct Analysis of Volatile Methylsiloxanes in Gaseous Matrixes Using Atmospheric Pressure Chemical Ionization-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 7288-7293.	6.5	50
76	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, 167-175.	1.6	50
77	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, 1442-1446.	5.2	49
78	The effects of combined sewer overflow events on riverine sources of drinking water. <i>Water Research</i> , 2016, 92, 218-227.	11.3	49
79	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.	5.5	49
80	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.	2.6	48
81	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.	4.5	47
82	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.	2.1	47
83	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.	8.0	47
84	Per- and Polyfluoroalkyl Substances in Contaminated Soil and Groundwater at Airports: A Canadian Case Study. <i>Environmental Science & Technology</i> , 2022, 56, 885-895.	10.0	47
85	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.	8.0	46
86	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.	6.5	46
87	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.	8.0	46
88	Analysis of multiclass cyanotoxins (microcystins, anabaenopeptins, cylindrospermopsin and) by liquid chromatography tandem mass spectrometry. <i>Analytical Methods</i> , 2019, 11, 5289-5300.	2.7	46
89	Copper mobility in contaminated soils of the PuchuncavÃ©-valley, central Chile. <i>Geoderma</i> , 2009, 150, 359-366.	5.1	45
90	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.	2.7	45

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91	The bacterial community structure of submerged membrane bioreactor treating synthetic hospital wastewater. <i>Bioresource Technology</i> , 2019, 286, 121362.	9.6	45
92	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.	2.2	44
93	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, 829-836.	2.8	44
94	Quantitative Analysis of Volatile Methylsiloxanes in Waste-to-Energy Landfill Biogases Using Direct APCI-MS/MS. <i>Environmental Science & Technology</i> , 2010, 44, 600-605.	10.0	44
95	Thresholds of copper phytotoxicity in field-collected agricultural soils exposed to copper mining activities in Chile. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 171-177.	6.0	44
96	Changes in water manganese levels and longitudinal assessment of intellectual function in children exposed through drinking water. <i>NeuroToxicology</i> , 2018, 64, 118-125.	3.0	44
97	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, 337-345.	5.5	43
98	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.	2.6	43
99	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.	12.4	43
100	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, 582-593.	4.1	42
101	Molecular analysis of carbon dioxide adsorption processes on steel slag oxides. <i>International Journal of Greenhouse Gas Control</i> , 2009, 3, 20-28.	4.6	41
102	Preventing biofilm development on DGT devices using metals and antibiotics. <i>Talanta</i> , 2007, 72, 716-722.	5.5	40
103	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, 147-157.	5.4	40
104	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.	5.4	40
105	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.	3.7	40
106	DERIVATION OF SOIL QUALITY CRITERIA USING PREDICTED CHEMICAL SPECIATION OF Pb ²⁺ AND Cu ²⁺ . <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1481.	4.3	39
107	Real-time continuous monitoring methods for airborne VOCs. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 931-940.	11.4	38
108	Effect of copper on soil functional stability measured by relative soil stability index (RSSI) based on two enzyme activities. <i>Chemosphere</i> , 2008, 72, 755-762.	8.2	38

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109	BTEX Exposures among Automobile Mechanics and Painters and Their Associated Health Risks. <i>Human and Ecological Risk Assessment (HERA)</i> , 2010, 16, 301-316.	3.4	38
110	Mass Spectrometry for Trace Analysis of Explosives in Water. <i>Critical Reviews in Analytical Chemistry</i> , 2012, 42, 257-271.	3.5	38
111	Time to revisit arsenic regulations: comparing drinking water and rice. <i>BMC Public Health</i> , 2014, 14, 465.	2.9	38
112	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, 5487-5501.	3.7	38
113	Biological ion exchange as an alternative to biological activated carbon for drinking water treatment. <i>Water Research</i> , 2020, 168, 115148.	11.3	38
114	Removal of micropollutants by fresh and colonized magnetic powdered activated carbon. <i>Journal of Hazardous Materials</i> , 2018, 360, 349-355.	12.4	37
115	Thermally Induced Release of Adsorbed Pb upon Aging Ferrihydrite and Soil Oxides. <i>Environmental Science & Technology</i> , 1999, 33, 2016-2020.	10.0	35
116	Determination of six anti-infectives in wastewater using tandem solid-phase extraction and liquid chromatographyâ€”tandem mass spectrometry. <i>Journal of Environmental Monitoring</i> , 2007, 9, 307-313.	2.1	35
117	Critical Loads of Metals and Other Trace Elements to Terrestrial Environments. <i>Environmental Science & Technology</i> , 2007, 41, 6326-6331.	10.0	35
118	Bioaccumulation and trophic magnification of emerging and legacy per- and polyfluoroalkyl substances (PFAS) in a St. Lawrence River food web. <i>Environmental Pollution</i> , 2022, 309, 119739.	7.5	35
119	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, 246-251.	2.6	34
120	Stability of Nitrogen-Containing Polyfluoroalkyl Substances in Aerobic Soils. <i>Environmental Science & Technology</i> , 2021, 55, 4698-4708.	10.0	34
121	COPPER INHIBITION OF SOIL ORGANIC MATTER DECOMPOSITION IN A SEVENTY-YEAR FIELD EXPOSURE. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 854.	4.3	33
122	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.	5.4	33
123	Adsorption characteristics of multiple microcystins and cylindrospermopsin on sediment: Implications for toxin monitoring and drinking water treatment. <i>Toxicon</i> , 2015, 103, 48-54.	1.6	33
124	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.	5.4	32
125	MRI pallidal signal in children exposed to manganese in drinking water. <i>NeuroToxicology</i> , 2016, 53, 124-131.	3.0	32
126	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.	3.5	32

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127	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.	3.0	32
128	Source tracking of leaky sewers: A novel approach combining fecal indicators in water and sediments. <i>Water Research</i> , 2014, 58, 50-61.	11.3	31
129	Blood pressure and burden of hypertension in Cameroon, a microcosm of Africa. <i>Journal of Hypertension</i> , 2019, 37, 2190-2199.	0.5	31
130	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.	11.3	31
131	Bioaccumulation of Zwitterionic Polyfluoroalkyl Substances in Earthworms Exposed to Aqueous Film-Forming Foam Impacted Soils. <i>Environmental Science & Technology</i> , 2020, 54, 1687-1697.	10.0	31
132	Using diffusive gradients in thin-films for in situ monitoring of dissolved phosphate emissions from freshwater aquaculture. <i>Aquaculture</i> , 2009, 286, 198-202.	3.5	30
133	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.	5.4	30
134	Fluoxetine and its active metabolite norfluoxetine disrupt estrogen synthesis in a co-culture model of the feto-placental unit. <i>Molecular and Cellular Endocrinology</i> , 2017, 442, 32-39.	3.2	30
135	Lead removal from tap water using POU devices. <i>Journal - American Water Works Association</i> , 2010, 102, 91-105.	0.3	29
136	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.	2.6	29
137	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.	8.8	29
138	Occurrence of microcystins, anabaenopeptins and other cyanotoxins in fish from a freshwater wildlife reserve impacted by harmful cyanobacterial blooms. <i>Toxicon</i> , 2021, 194, 44-52.	1.6	29
139	Circular economy of water: Tackling quantity, quality and footprint of water. <i>Environmental Development</i> , 2021, 39, 100651.	4.1	29
140	Age-specific immunocompetence of the earthworm <i>Eisenia andrei</i> : exposure to methylmercury chloride. <i>Ecotoxicology and Environmental Safety</i> , 2005, 60, 67-72.	6.0	28
141	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, 5731-5736.	6.5	28
142	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.	8.8	28
143	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, 2361-2373.	1.5	27
144	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, 965-974.	3.5	27

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