Stephane Bayen

List of Publications by Year
in descending order

Version: 2024-02-01

77 papers	2,913 citations	249298 26 h-index	206121 51 g-index
78 all docs	78 docs citations	78 times ranked	3629 citing authors

#	Article	IF	Citations
1	Chemical contaminants in canned food and can-packaged food: a review. Critical Reviews in Food Science and Nutrition, 2023, 63, 2687-2718.	5.4	5
2	Evaluation of different extractions for the metabolite identification of malachite green in brook trout and shrimp. Food Chemistry, 2022, 369, 130567.	4.2	7
3	Weathering pathways and protocols for environmentally relevant microplastics and nanoplastics: What are we missing?. Journal of Hazardous Materials, 2022, 423, 126955.	6.5	98
4	Innovation in regulatory approaches for endocrine disrupting chemicals: The journey to risk assessment modernization in Canada. Environmental Research, 2022, 204, 112225.	3.7	18
5	Development of an LC-MS-based method to study the fate of nanoencapsulated pesticides in soils and strawberry plant. Talanta, 2022, 239, 123093.	2.9	8
6	Methods for the analysis of endocrine disrupting chemicals in selected environmental matrixes. Environmental Research, 2022, 206, 112616.	3.7	12
7	An introduction to the sources, fate, occurrence and effects of endocrine disrupting chemicals released into the environment. Environmental Research, 2022, 207, 112658.	3.7	81
8	Evidence of complementarity between targeted and non-targeted analysis based on liquid and gas-phase chromatography coupled to mass spectrometry for screening halogenated persistent organic pollutants in environmental matrices. Chemosphere, 2022, 293, 133615.	4.2	18
9	Impacts of endocrine disrupting chemicals on reproduction in wildlife and humans. Environmental Research, 2022, 208, 112584.	3.7	84
10	Impacts of a porous hollow silica nanoparticle-encapsulated pesticide applied to soils on plant growth and soil microbial community. Environmental Science: Nano, 2022, 9, 1476-1488.	2.2	13
11	Targeted screening of 11 bisphenols and 7 plasticizers in food composites from Canada and South Africa. Food Chemistry, 2022, 385, 132675.	4.2	15
12	Uptake and Translocation of a Silica Nanocarrier and an Encapsulated Organic Pesticide Following Foliar Application in Tomato Plants. Environmental Science & Technology, 2022, 56, 6722-6732.	4.6	16
13	Barley Straw Biochar and Compost Affect Heavy Metal Transport in Soil and Uptake by Potatoes Grown under Wastewater Irrigation. Sustainability, 2022, 14, 5665.	1.6	4
14	Exposure to Contaminated River Water is Associated with Early Hatching and Dysregulation of Gene Expression in Early Life Stages of the Endangered Copper Redhorse (Moxostoma hubbsi). Environmental Toxicology and Chemistry, 2022, 41, 1950-1966.	2.2	1
15	Application of Nontarget Analysis and High-Resolution Mass Spectrometry for the Identification of Thermal Transformation Products of Oxytetracycline in Pacific White Shrimp. Journal of Food Protection, 2022, 85, 1469-1478.	0.8	1
16	Occurrence of legacy and replacement plasticizers, bisphenols, and flame retardants in potable water in Montreal and South Africa. Science of the Total Environment, 2022, 840, 156581.	3.9	8
17	Compositional diversity and antioxidant properties of essential oils: Predictive models. LWT - Food Science and Technology, 2021, 138, 110684.	2.5	20
18	Targeted and suspect screening of contaminants in coastal water and sediment samples in Qatar. Science of the Total Environment, 2021, 774, 145043.	3.9	13

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19	Effects of Biochar and Biochar-Compost Mix as Soil Amendments on Soil Quality and Yield of Potatoes Irrigated with Wastewater. Journal of Soil Science and Plant Nutrition, 2021, 21, 2600-2612.	1.7	8
20	Suspect screening of pharmaceuticals in fish livers based on QuEChERS extraction coupled with high resolution mass spectrometry. Science of the Total Environment, 2021, 783, 146902.	3.9	12
21	Application of non-target analysis to study the thermal transformation of malachite and leucomalachite green in brook trout and shrimp. Current Research in Food Science, 2021, 4, 707-715.	2.7	6
22	Data analysis strategies for the characterization of chemical contaminant mixtures. Fish as a case study. Environment International, 2021, 155, 106610.	4.8	14
23	Suspected-target screening for the assessment of plastic-related chemicals in honey. Food Control, 2020, 109, 106941.	2.8	16
24	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.	1.9	26
25	An overview of chemical contaminants and other undesirable chemicals in alcoholic beverages and strategies for analysis. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 3916-3950.	5.9	16
26	Primary and Secondary Plastic Particles Exhibit Limited Acute Toxicity but Chronic Effects on Daphnia magna. Environmental Science & Technology, 2020, 54, 6859-6868.	4.6	97
27	Thermal degradation of bisphenol A and bisphenol S in water and fish (cod and basa) fillets. Food Chemistry, 2020, 328, 126999.	4.2	10
28	Vitamin B6 Is Under a Tight Balance During Disease Development by Rhizoctonia solani on Different Cultivars of Potato and on Arabidopsis thaliana Mutants. Frontiers in Plant Science, 2020, 11, 875.	1.7	12
29	Non-targeted study of the thermal degradation of tylosin in honey, water and water:honey mixtures. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 421-437.	1.1	4
30	Non-targeted screening of plastic-related chemicals in food collected in Montreal, Canada. Food Chemistry, 2020, 326, 126942.	4.2	20
31	Development of a liquid chromatography-quadrupole-time-of-flight-mass spectrometry based method for the targeted and suspect screening of contaminants in the pearl oyster Pinctada imbricata radiata. Environmental Pollution, 2019, 253, 841-849.	3.7	8
32	Suspect screening of plastic-related chemicals in northern pike (Esox lucius) from the St. Lawrence River, Canada. Environmental Pollution, 2019, 255, 113223.	3.7	14
33	Partitioning and Bioaccumulation of Legacy and Emerging Hydrophobic Organic Chemicals in Mangrove Ecosystems. Environmental Science & Technology, 2019, 53, 2549-2558.	4.6	29
34	Occurrence and bioaccessibility of mercury in commercial rice samples in Montreal (Canada). Food and Chemical Toxicology, 2019, 126, 72-78.	1.8	24
35	Optimization of the Data Treatment Steps of a Non-targeted LC-MS-Based Workflow for the Identification of Trace Chemical Residues in Honey. Journal of the American Society for Mass Spectrometry, 2019, 30, 765-777.	1.2	14
36	Direct injection high performance liquid chromatography coupled to data independent acquisition mass spectrometry for the screening of antibiotics in honey. Journal of Food and Drug Analysis, 2019, 27, 679-691.	0.9	28

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37	Optimization of the post-acquisition data processing for the non-targeted screening of trace leachable residues from reusable plastic bottles by high performance liquid chromatography coupled to hybrid quadrupole time of flight mass spectrometry. Talanta, 2019, 193, 70-76.	2.9	17
38	Thermal degradation of chloramphenicol in model solutions, spiked tissues and incurred samples. Food Chemistry, 2018, 248, 230-237.	4.2	14
39	Human exposure to trace elements in central Cambodia: Influence of seasonal hydrology and food-chain bioaccumulation behaviour. Ecotoxicology and Environmental Safety, 2018, 162, 112-120.	2.9	14
40	Effect of thermal treatments on the degradation of antibiotic residues in food. Critical Reviews in Food Science and Nutrition, 2017, 57, 3760-3770.	5.4	58
41	Multi-tool assessment of trace metals in mangroves combining sediment and clam sampling, DGT passive samplers and caged mussels. Science of the Total Environment, 2017, 574, 847-857.	3.9	16
42	Thermal degradation of five veterinary and human pharmaceuticals using pyrolysis-GC/MS. Journal of Analytical and Applied Pyrolysis, 2017, 127, 120-125.	2.6	28
43	Occurrence and distribution of bacteria indicators, chemical tracers and pathogenic vibrios in Singapore coastal waters. Marine Pollution Bulletin, 2017, 114, 627-634.	2.3	27
44	Use of a suite of biomarkers to assess the effects of carbamazepine, bisphenol A, atrazine, and their mixtures on green mussels, Perna viridis. Environmental Toxicology and Chemistry, 2017, 36, 429-441.	2.2	61
45	Biochar Amendment Modifies Expression of Soybean and Rhizoctonia solani Genes Leading to Increased Severity of Rhizoctonia Foliar Blight. Frontiers in Plant Science, 2017, 8, 221.	1.7	18
46	Pharmaceutically active compounds and endocrine disrupting chemicals in water, sediments and mollusks in mangrove ecosystems from Singapore. Marine Pollution Bulletin, 2016, 109, 716-722.	2.3	94
47	Improved detection of multiple environmental antibiotics through an optimized sample extraction strategy in liquid chromatography-mass spectrometry analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 9071-9083.	1.9	26
48	Multi-residue analysis of legacy POPs and emerging organic contaminants in Singapore's coastal waters using gas chromatographyâ€“triple quadrupole tandem mass spectrometry. Science of the Total Environment, 2015, 523, 219-232.	3.9	53
49	Co-extraction and simultaneous determination of multi-class hydrophobic organic contaminants in marine sediments and biota using GC-EI-MS/MS and LC-ESI-MS/MS. Talanta, 2015, 143, 7-18.	2.9	66
50	Direct injection of tissue extracts in liquid chromatography/tandem mass spectrometry for the determination of pharmaceuticals and other contaminants of emerging concern in mollusks. Analytical and Bioanalytical Chemistry, 2015, 407, 5553-5558.	1.9	28
51	Alternative Fecal Indicators and Their Empirical Relationships with Enteric Viruses, Salmonella enterica, and Pseudomonas aeruginosa in Surface Waters of a Tropical Urban Catchment. Applied and Environmental Microbiology, 2015, 81, 850-860.	1.4	71
52	Understanding Hydrodynamic Flow Characteristics in a Model Mangrove Ecosystem in Singapore. APCBEE Procedia, 2014, 10, 286-291.	0.5	9
53	Application of Polar Organic Chemical Integrative Sampler (POCIS) to monitor emerging contaminants in tropical waters. Science of the Total Environment, 2014, 482-483, 15-22.	3.9	53
54	Analysis of selected antibiotics in surface freshwater and seawater using direct injection in liquid chromatography electrospray ionization tandem mass spectrometry. Journal of Chromatography A, 2014, 1338, 38-43.	1.8	67

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55	Occurrence and distribution of pharmaceutically active and endocrine disrupting compounds in Singapore's marine environment: Influence of hydrodynamics and physicalâ€“chemical properties. Environmental Pollution, 2013, 182, 1-8.	3.7	178
56	Occurrence, bioavailability and toxic effects of trace metals and organic contaminants in mangrove ecosystems: A review. Environment International, 2012, 48, 84-101.	4.8	315
57	Application of Handheld X-Ray Fluorescence Analyzers to Identify Mercury in Skin-Whitening Creams in Cambodia. Journal of Health and Pollution, 2012, 2, 21-31.	1.8	14
58	Hollow-fibre liquid-phase microextraction of polychlorinated biphenyls: dynamic aspects and analytical challenges associated with their speciation. International Journal of Environmental Analytical Chemistry, 2009, 89, 277-292.	1.8	8
59	Influence of inorganic complexes on the transport of trace metals through permeation liquid membrane. Analytica Chimica Acta, 2009, 646, 104-110.	2.6	13
60	Dynamic Exposure of Organisms and Passive Samplers to Hydrophobic Chemicals. Environmental Science & Technology, 2009, 43, 2206-2215.	4.6	55
61	Analytical Concepts and Tools for Speciation Studies. Chimia, 2008, 62, 170-170.	0.3	0
62	Exposure and response of aquacultured oysters, Crassostrea gigas, to marine contaminants. Environmental Research, 2007, 103, 375-382.	3.7	26
63	Chapter 15 Persistent Organic Pollutants in Singapore's Marine Environment. Developments in Environmental Science, 2007, 7, 657-720.	0.5	2
64	Introductionâ€”Analytical Chemistry and Ecotoxicology Research Studies Presented in Geneva, Switzerland. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2007, 70, 723-723.	1.1	0
65	The permeation liquid membrane as a sensor for free nickel in aqueous samples. Analyst, The, 2007, 132, 262.	1.7	19
66	Chapter 16 Persistent Organic Pollutants and Adverse Health Effects in Humans in Singapore. Developments in Environmental Science, 2007, , 721-752.	0.5	1
67	Chlorinated paraffins: A review of analysis and environmental occurrence. Environment International, 2006, 32, 915-929.	4.8	208
68	Cadmium bioavailability and speciation using the permeation liquid membrane. Analytica Chimica Acta, 2006, 575, 267-273.	2.6	46
69	Heavy metal contamination in mangrove habitats of Singapore. Marine Pollution Bulletin, 2005, 50, 1732-1738.	2.3	103
70	BIOACCUMULATION OF DDT PESTICIDE IN CULTURED ASIAN SEABASS FOLLOWING DIETARY EXPOSURE. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 51-65.	1.1	17
71	Persistent organic pollutants in mangrove food webs in Singapore. Chemosphere, 2005, 61, 303-313.	4.2	99
72	Persistent Organic Pollutants and Heavy Metals in Typical Seafoods Consumed in Singapore. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 151-166.	1.1	42

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73	Effect of Cooking on the Loss of Persistent Organic Pollutants from Salmon. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 253-265.	1.1	57
74	Androgenic and Estrogenic Response of Green Mussel Extracts from Singaporeâ€™s Coastal Environment Using a Human Cell-Based Bioassay. Environmental Health Perspectives, 2004, 112, 1467-1471.	2.8	26
75	Organochlorine Pesticides and Heavy Metals in Green Mussel, Perna Viridis in Singapore. Water, Air, and Soil Pollution, 2004, 155, 103-116.	1.1	42
76	Determination of polybrominated diphenyl ethers in marine biological tissues using microwave-assisted extraction. Journal of Chromatography A, 2004, 1035, 291-294.	1.8	78
77	OCCURRENCE OF POLYCHLORINATED BIPHENYLS AND POLYBROMINATED DIPHENYL ETHERS IN GREEN MUSSELS (PERNA VIRIDIS) FROM SINGAPORE, SOUTHEAST ASIA. Environmental Toxicology and Chemistry, 2003, 22, 2432.	2.2	64