

Stefan Voorspoels

List of Publications by Year in descending order

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93
papers

7,722
citations

61945

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49868

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docs citations

95
times ranked

7567
citing authors

#	ARTICLE	IF	CITATIONS
1	EU-wide monitoring survey on emerging polar organic contaminants in wastewater treatment plant effluents. <i>Water Research</i> , 2013, 47, 6475-6487.	5.3	932
2	Hexabromocyclododecanes (HBCDs) in the Environment and Humans: A Review. <i>Environmental Science & Technology</i> , 2006, 40, 3679-3688.	4.6	691
3	Determination of brominated flame retardants, with emphasis on polybrominated diphenyl ethers (PBDEs) in environmental and human samples a review. <i>Environment International</i> , 2003, 29, 735-756.	4.8	382
4	Analytical and environmental aspects of the flame retardant tetrabromobisphenol-A and its derivatives. <i>Journal of Chromatography A</i> , 2009, 1216, 346-363.	1.8	346
5	Hexabromocyclododecane in Marine Species from the Western Scheldt Estuary: Diastereoisomer- and Enantiomer-Specific Accumulation. <i>Environmental Science & Technology</i> , 2005, 39, 1987-1994.	4.6	283
6	Recent developments in the analysis of brominated flame retardants and brominated natural compounds. <i>Journal of Chromatography A</i> , 2007, 1153, 145-171.	1.8	246
7	Polybrominated Diphenyl Ethers in Marine Species from the Belgian North Sea and the Western Scheldt Estuary: Levels, Profiles, and Distribution. <i>Environmental Science & Technology</i> , 2003, 37, 4348-4357.	4.6	217
8	Distribution of polychlorinated biphenyls, organochlorine pesticides and polybrominated diphenyl ethers in human umbilical cord serum, maternal serum and milk from Wielkopolska region, Poland. <i>Science of the Total Environment</i> , 2006, 372, 20-31.	3.9	209
9	Concentrations of phthalates and bisphenol A in Norwegian foods and beverages and estimated dietary exposure in adults. <i>Environment International</i> , 2014, 73, 259-269.	4.8	191
10	Dietary PBDE intake: A market-basket study in Belgium. <i>Environment International</i> , 2007, 33, 93-97.	4.8	163
11	Hexabromocyclododecane Challenges Scientists and Regulators. <i>Environmental Science & Technology</i> , 2005, 39, 281A-287A.	4.6	155
12	Distribution of Organobrominated and Organochlorinated Contaminants in Belgian Human Adipose Tissue. <i>Environmental Research</i> , 2002, 88, 210-218.	3.7	154
13	Brominated flame retardants and organochlorine pollutants in aquatic and terrestrial predatory birds of Belgium: levels, patterns, tissue distribution and condition factors. <i>Environmental Pollution</i> , 2006, 139, 340-352.	3.7	154
14	Polybrominated diphenyl ethers, polychlorinated biphenyls and organochlorine pesticides in sediment cores from the Western Scheldt river (Belgium): analytical aspects and depth profiles. <i>Environment International</i> , 2005, 31, 367-375.	4.8	152
15	Accumulation, tissue-specific distribution and debromination of decabromodiphenyl ether (BDE 209) in European starlings (<i>Sturnus vulgaris</i>). <i>Environmental Pollution</i> , 2007, 148, 648-653.	3.7	147
16	Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in human liver and adipose tissue samples from Belgium. <i>Chemosphere</i> , 2008, 73, 170-175.	4.2	134
17	Human biomonitoring of emerging pollutants through non-invasive matrices: state of the art and future potential. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4063-4088.	1.9	128
18	Optimization of the determination of polybrominated diphenyl ethers in human serum using solid-phase extraction and gas chromatography-electron capture negative ionization mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 827, 216-223.	1.2	112

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19	Validated Method for the Characterization and Quantification of Extractable and Nonextractable Ellagitannins after Acid Hydrolysis in Pomegranate Fruits, Juices, and Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6555-6566.	2.4	111
20	Evaluation of total lipids using enzymatic methods for the normalization of persistent organic pollutant levels in serum. <i>Science of the Total Environment</i> , 2006, 366, 361-366.	3.9	110
21	Levels and profiles of PCBs and OCPs in marine benthic species from the Belgian North Sea and the Western Scheldt Estuary. <i>Marine Pollution Bulletin</i> , 2004, 49, 393-404.	2.3	105
22	Biomagnification of PBDEs in Three Small Terrestrial Food Chains. <i>Environmental Science & Technology</i> , 2007, 41, 411-416.	4.6	105
23	Determination of Polybrominated Diphenyl Ethers and Polychlorinated Biphenyls in Human Adipose Tissue by Large-Volume Injection~Narrow-Bore Capillary Gas Chromatography/Electron Impact Low-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 790-798.	3.2	95
24	Evaluation of the usefulness of bird feathers as a non-destructive biomonitoring tool for organic pollutants: A comparative and meta-analytical approach. <i>Environment International</i> , 2007, 33, 328-337.	4.8	95
25	Levels and distribution of polybrominated diphenyl ethers in various tissues of birds of prey. <i>Environmental Pollution</i> , 2006, 144, 218-227.	3.7	86
26	Brominated flame retardants and organochlorine pollutants in eggs of little owls (<i>Athene noctua</i>) from Belgium. <i>Environmental Pollution</i> , 2005, 136, 81-88.	3.7	81
27	Remarkable Findings Concerning PBDEs in the Terrestrial Top-Predator Red Fox (<i>Vulpes vulpes</i>). <i>Environmental Science & Technology</i> , 2006, 40, 2937-2943.	4.6	80
28	Human exposure pathways to organophosphate flame retardants: Associations between human biomonitoring and external exposure. <i>Environment International</i> , 2019, 127, 462-472.	4.8	80
29	Can predatory bird feathers be used as a non-destructive biomonitoring tool of organic pollutants?. <i>Biology Letters</i> , 2006, 2, 283-285.	1.0	74
30	Evaluation of exposure to phthalate esters and DINCH in urine and nails from a Norwegian study population. <i>Environmental Research</i> , 2016, 151, 80-90.	3.7	74
31	Assessment of human hair as an indicator of exposure to organophosphate flame retardants. Case study on a Norwegian mother~child cohort. <i>Environment International</i> , 2015, 83, 50-57.	4.8	72
32	Phthalate-induced oxidative stress and association with asthma-related airway inflammation in adolescents. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 468-477.	2.1	70
33	Relationship Between Age and Levels of Organochlorine Contaminants in Human Serum of a Belgian Population. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2002, 69, 22-29.	1.3	69
34	An improved mass spectrometric method for identification and quantification of phenolic compounds in apple fruits. <i>Food Chemistry</i> , 2013, 136, 368-375.	4.2	66
35	The Belgian PCB/dioxin crisis~8 years later. <i>Environmental Toxicology and Pharmacology</i> , 2008, 25, 164-170.	2.0	65
36	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All~Silica Zeolite Beta. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14086-14090.	7.2	60

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37	Non-invasive biomonitoring for PFRs and PBDEs: New insights in analysis of human hair externally exposed to selected flame retardants. <i>Science of the Total Environment</i> , 2015, 505, 1062-1071.	3.9	52
38	Development, validation and evaluation of an analytical method for the determination of monomeric and oligomeric procyanidins in apple extracts. <i>Journal of Chromatography A</i> , 2017, 1495, 46-56.	1.8	52
39	Dietary PCB intake in Belgium. <i>Environmental Toxicology and Pharmacology</i> , 2008, 25, 179-182.	2.0	50
40	Chronic radiation exposure as an ecological factor: Hypermethylation and genetic differentiation in irradiated Scots pine populations. <i>Environmental Pollution</i> , 2018, 232, 105-112.	3.7	47
41	Polybrominated diphenyl ethers (PBDEs) in freshwater mussels and fish from Flanders, Belgium. <i>Journal of Environmental Monitoring</i> , 2005, 7, 132.	2.1	45
42	Anthropogenic and Naturally Occurring Organobrominated Compounds in Fish Oil Dietary Supplements. <i>Environmental Science & Technology</i> , 2007, 41, 5237-5244.	4.6	45
43	Ultra high performance liquid chromatography versus high performance liquid chromatography: Stationary phase selectivity for generic carotenoid screening. <i>Journal of Chromatography A</i> , 2014, 1332, 46-56.	1.8	45
44	Aronia (<i>Aronia melanocarpa</i>) phenolics bioavailability in a combined in vitro digestion/Caco-2 cell model is structure and colon region dependent. <i>Journal of Functional Foods</i> , 2017, 38, 128-139.	1.6	45
45	Direct analysis of phthalate ester biomarkers in urine without preconcentration: Method validation and monitoring. <i>Journal of Chromatography A</i> , 2013, 1294, 25-32.	1.8	42
46	Experimental evaluation of the usefulness of feathers as a non-destructive biomonitor for polychlorinated biphenyls (PCBs) using silastic implants as a novel method of exposure. <i>Environment International</i> , 2007, 33, 257-264.	4.8	40
47	Mothers and children are related, even in exposure to chemicals present in common consumer products. <i>Environmental Research</i> , 2019, 175, 297-307.	3.7	40
48	New approach for assessing human perfluoroalkyl exposure via hair. <i>Talanta</i> , 2015, 144, 574-583.	2.9	39
49	Method development for assessing the human exposure to organophosphate flame retardants in hair and nails. <i>Chemosphere</i> , 2017, 168, 692-698.	4.2	38
50	Accumulation and tissue distribution of selected polychlorinated biphenyl congeners in chickens. <i>Chemosphere</i> , 2004, 57, 61-66.	4.2	36
51	A First Step in the Quest for the Active Constituents in <i>Filipendula ulmaria</i> (Meadowsweet): Comprehensive Phytochemical Identification by Liquid Chromatography Coupled to Quadrupole-Orbitrap Mass Spectrometry. <i>Planta Medica</i> , 2016, 82, 559-572.	0.7	36
52	Occurrence of selected halogenated flame retardants in Belgian foodstuff. <i>Chemosphere</i> , 2018, 194, 256-265.	4.2	36
53	PBDEs in marine and freshwater sediments from Belgium: levels, profiles and relations with biota. <i>Journal of Environmental Monitoring</i> , 2004, 6, 914.	2.1	35
54	Sampling strategy for estimating human exposure pathways to consumer chemicals. <i>Emerging Contaminants</i> , 2016, 2, 26-36.	2.2	35

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55	Unravelling ionization and fragmentation pathways of carotenoids using orbitrap technology: a first step towards identification of unknowns. <i>Journal of Mass Spectrometry</i> , 2013, 48, 740-754.	0.7	32
56	Development of a broad spectrum method for measuring flame retardants— Overcoming the challenges of non-invasive human biomonitoring studies. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6665-6675.	1.9	30
57	Variability of the phenolic profiles in the fruits from old, recent and new apple cultivars cultivated in Belgium. <i>Metabolomics</i> , 2015, 11, 739-752.	1.4	30
58	Ultrasound assisted extraction combined with dispersive liquid—liquid microextraction (US-DLLME)—a fast new approach to measure phthalate metabolites in nails. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6169-6180.	1.9	30
59	Quantification of egg ovalbumin hydrolysate-derived anti-hypertensive peptides in an in vitro model combining luminal digestion with intestinal Caco-2 cell transport. <i>Food Research International</i> , 2017, 99, 531-541.	2.9	30
60	The distribution of octachlorostyrene (OCS) in environmental samples from Europe. <i>Journal of Environmental Monitoring</i> , 2003, 5, 619.	2.1	29
61	A comparative study between spiral-filter press and belt press implemented in a cloudy apple juice production process. <i>Food Chemistry</i> , 2015, 173, 986-996.	4.2	28
62	Determination of halogenated flame retardants in food: Optimization and validation of a method based on a two-step clean-up and gas chromatography—mass spectrometry. <i>Food Control</i> , 2016, 65, 168-176.	2.8	28
63	Egg-derived bioactive peptides with ACE-inhibitory properties: a literature update. <i>Food and Function</i> , 2017, 8, 3847-3855.	2.1	28
64	Levels and Enantiomeric Signatures of Methyl Sulfonyl PCB and DDE Metabolites in Livers of Harbor Porpoises (<i>Phocoena phocoena</i>) from the Southern North Sea. <i>Environmental Science & Technology</i> , 2003, 37, 4573-4578.	4.6	27
65	Bridging the gap between comprehensive extraction protocols in plant metabolomics studies and method validation. <i>Analytica Chimica Acta</i> , 2016, 935, 136-150.	2.6	26
66	Integrity of the microalgal cell plays a major role in the lipolytic stability during wet storage. <i>Algal Research</i> , 2017, 25, 516-524.	2.4	24
67	Supercritical CO ₂ Extraction of <i>Nannochloropsis</i> sp.: A Lipidomic Study on the Influence of Pretreatment on Yield and Composition. <i>Molecules</i> , 2018, 23, 1854.	1.7	24
68	Lipolysis in <i>T-Isochrysis lutea</i> during wet storage at different temperatures. <i>Algal Research</i> , 2016, 18, 281-287.	2.4	23
69	UPTAKE AND TISSUE-SPECIFIC DISTRIBUTION OF SELECTED POLYCHLORINATED BIPHENYLS IN DEVELOPING CHICKEN EMBRYOS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 597.	2.2	22
70	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on Al—Silica Zeolite Beta. <i>Angewandte Chemie</i> , 2020, 132, 14190-14194.	1.6	21
71	Generic Characterization of Apolar Metabolites in Red Chili Peppers (<i>Capsicum frutescens</i> L.) by Orbitrap Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4812-4831.	2.4	20
72	A Critical Evaluation of In Vitro Hesperidin 2S Bioavailability in a Model Combining Luminal (Microbial) Digestion and Caco—2 Cell Absorption in Comparison to a Randomized Controlled Human Trial. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700881.	1.5	20

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73	Simplified determination of the content and average degree of acetylation of chitin in crude black soldier fly larvae samples. <i>Carbohydrate Research</i> , 2020, 488, 107899.	1.1	20
74	Are nails a valuable non-invasive alternative for estimating human exposure to phthalate esters?. <i>Environmental Research</i> , 2016, 151, 184-194.	3.7	16
75	Long-term exposure assessment to phthalates: How do nail analyses compare to commonly used measurements in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1036-1037, 124-135.	1.2	15
76	Development of the First Certified Reference Materials for Several Brominated Flame Retardants in Polymers. <i>Analytical Chemistry</i> , 2009, 81, 3792-3800.	3.2	14
77	Supercritical CO ₂ Extraction of Bioactive Compounds from Mango (<i>Mangifera indica</i> L.) Peel and Pulp. <i>Foods</i> , 2021, 10, 2201.	1.9	14
78	Estimating uptake of phthalate ester metabolites into the human nail plate using pharmacokinetic modelling. <i>Environment International</i> , 2017, 100, 148-155.	4.8	13
79	Case Study on Screening Emerging Pollutants in Urine and Nails. <i>Environmental Science & Technology</i> , 2017, 51, 4046-4053.	4.6	13
80	Evaluation of the state-of-the-art measurement capabilities for selected PBDEs and decaBB in plastic by the international intercomparison CCQM-P114. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1501-1511.	1.9	11
81	Automated analytical standard production with supercritical fluid chromatography for the quantification of bioactive C17-polyacetylenes: A case study on food processing waste. <i>Food Chemistry</i> , 2014, 165, 371-378.	4.2	11
82	Development and validation of a quantitative UHPLC-MS/MS method for selected brominated flame retardants in food. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 292-304.	1.1	11
83	Urinary Polycyclic Aromatic Hydrocarbon Metabolites Are Associated with Biomarkers of Chronic Endocrine Stress, Oxidative Stress, and Inflammation in Adolescents: FLEHS-4 (2016-2020). <i>Toxics</i> , 2021, 9, 245.	1.6	11
84	Clinical aspects of egg bioactive peptide research: a review. <i>International Journal of Food Science and Technology</i> , 2019, 54, 1967-1975.	1.3	10
85	Tackling the challenge of selective analytical clean-up of complex natural extracts: The curious case of chlorophyll removal. <i>Food Chemistry</i> , 2014, 163, 147-153.	4.2	9
86	Pilot-scale production of cloudy juice from low-quality pear fruit under low-oxygen conditions. <i>Food Chemistry</i> , 2015, 173, 827-837.	4.2	8
87	Results of an interlaboratory comparison on the determination of polybrominated flame retardants in poly(ethyleneterephthalate). <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 399-409.	1.9	6
88	Improving Method Reliability in Carotenoid Analysis through Selective Removal of Glycerolipid Interferences by Lipase Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3114-3124.	2.4	5
89	Sample Preparation and Chromatographic Methods Applied to Congener-Specific Analysis of Polybrominated Diphenyl Ethers. <i>Handbook of Environmental Chemistry</i> , 2010, , 55-94.	0.2	4
90	Chapter 15 Brominated Flame Retardants as Food Contaminants. <i>Comprehensive Analytical Chemistry</i> , 2008, , 507-570.	0.7	3

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91	Dietary exposure of the Belgian population to emulsifiers E481 (sodium stearyl-2-lactylate) and E482 (calcium stearyl-2-lactylate). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 828-837.	1.1	2
92	Innentitelbild: Highly Selective Removal of Perfluorinated Contaminants by Adsorption on Al ₂ O ₃ /Silica Zeolite Beta (<i>Angew. Chem.</i> 33/2020). <i>Angewandte Chemie</i> , 2020, 132, 13770-13770.	1.6	1
93	Interlaboratory exercise for the analysis of carotenoids and related compounds in dried mango fruit (<i>Mangifera indica</i> L.). <i>Journal of Food Composition and Analysis</i> , 2022, 111, 104616.	1.9	0