

Stefan Voorspoels

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

6,583
citations

39
h-index

80
g-index

95
ext. papers

7,145
ext. citations

7.1
avg, IF

5.5
L-index

#	Paper	IF	Citations
94	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 , 104616	4.1	
93	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,	4.7	3
92	Supercritical CO ₂ Extraction of Bioactive Compounds from Mango (L.) Peel and Pulp. <i>Foods</i> , 2021 , 10,	4.9	3
91	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All-Silica Zeolite Beta. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14086-14090	16.4	24
90	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All-Silica Zeolite Beta. <i>Angewandte Chemie</i> , 2020 , 132, 14190-14194	3.6	9
89	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	2.9	14
88	Innentitelbild: Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All-Silica Zeolite Beta (Angew. Chem. 33/2020). <i>Angewandte Chemie</i> , 2020 , 132, 13770-13770	3.6	0
87	Mothers and children are related, even in exposure to chemicals present in common consumer products. <i>Environmental Research</i> , 2019 , 175, 297-307	7.9	24
86	Clinical aspects of egg bioactive peptide research: a review. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 1967-1975	3.8	7
85	Human exposure pathways to organophosphate flame retardants: Associations between human biomonitoring and external exposure. <i>Environment International</i> , 2019 , 127, 462-472	12.9	49
84	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	3.2	2
83	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	5.9	16
82	Chronic radiation exposure as an ecological factor: Hypermethylation and genetic differentiation in irradiated Scots pine populations. <i>Environmental Pollution</i> , 2018 , 232, 105-112	9.3	24
81	Supercritical CO ₂ Extraction of sp.: A Lipidomic Study on the Influence of Pretreatment on Yield and Composition. <i>Molecules</i> , 2018 , 23,	4.8	13
80	Occurrence of selected halogenated flame retardants in Belgian foodstuff. <i>Chemosphere</i> , 2018 , 194, 256-265	8.4	27
79	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	3.2	8
78	Estimating uptake of phthalate ester metabolites into the human nail plate using pharmacokinetic modelling. <i>Environment International</i> , 2017 , 100, 148-155	12.9	11

77	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	6.9	51
76	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	4.5	39
75	Case Study on Screening Emerging Pollutants in Urine and Nails. <i>Environmental Science & Technology</i> , 2017 , 51, 4046-4053	10.3	10
74	Method development for assessing the human exposure to organophosphate flame retardants in hair and nails. <i>Chemosphere</i> , 2017 , 168, 692-698	8.4	28
73	Egg-derived bioactive peptides with ACE-inhibitory properties: a literature update. <i>Food and Function</i> , 2017 , 8, 3847-3855	6.1	19
72	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	5.1	27
71	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	7	24
70	Integrity of the microalgal cell plays a major role in the lipolytic stability during wet storage. <i>Algal Research</i> , 2017 , 25, 516-524	5	18
69	Are nails a valuable non-invasive alternative for estimating human exposure to phthalate esters?. <i>Environmental Research</i> , 2016 , 151, 184-194	7.9	13
68	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, 559-72	3.1	25
67	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	6.2	22
66	Sampling strategy for estimating human exposure pathways to consumer chemicals. <i>Emerging Contaminants</i> , 2016 , 2, 26-36	5.8	32
65	Bridging the gap between comprehensive extraction protocols in plant metabolomics studies and method validation. <i>Analytica Chimica Acta</i> , 2016 , 935, 136-50	6.6	20
64	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, 6169-80	4.4	27
63	Lipolysis in <i>T-Isochrysis lutea</i> during wet storage at different temperatures. <i>Algal Research</i> , 2016 , 18, 281-287	5	18
62	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	3.2	14
61	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	7.9	58
60	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	4.7	23

59	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, 50-7	12.9	48
58	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, 6555-66	5.7	82
57	Pilot-scale production of cloudy juice from low-quality pear fruit under low-oxygen conditions. <i>Food Chemistry</i> , 2015 , 173, 827-37	8.5	8
56	New approach for assessing human perfluoroalkyl exposure via hair. <i>Talanta</i> , 2015 , 144, 574-83	6.2	26
55	A comparative study between spiral-filter press and belt press implemented in a cloudy apple juice production process. <i>Food Chemistry</i> , 2015 , 173, 986-96	8.5	21
54	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, 1062-71	10.2	39
53	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	4.5	36
52	Concentrations of phthalates and bisphenol A in Norwegian foods and beverages and estimated dietary exposure in adults. <i>Environment International</i> , 2014 , 73, 259-69	12.9	137
51	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, 4812-31	5.7	17
50	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	5.7	5
49	Human biomonitoring of emerging pollutants through non-invasive matrices: state of the art and future potential. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4063-88	4.4	102
48	Tackling the challenge of selective analytical clean-up of complex natural extracts: the curious case of chlorophyll removal. <i>Food Chemistry</i> , 2014 , 163, 147-53	8.5	9
47	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, 371-8	8.5	9
46	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, 6665-75	4.4	24
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	4.5	33
44	EU-wide monitoring survey on emerging polar organic contaminants in wastewater treatment plant effluents. <i>Water Research</i> , 2013 , 47, 6475-87	12.5	746
43	An improved mass spectrometric method for identification and quantification of phenolic compounds in apple fruits. <i>Food Chemistry</i> , 2013 , 136, 368-75	8.5	62
42	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, 740-54	2.2	27

41	Sample Preparation and Chromatographic Methods Applied to Congener-Specific Analysis of Polybrominated Diphenyl Ethers. <i>Handbook of Environmental Chemistry</i> , 2010 , 55-94	0.8	4
40	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, 1501-11	4.4	11
39	Analytical and environmental aspects of the flame retardant tetrabromobisphenol-A and its derivatives. <i>Journal of Chromatography A</i> , 2009 , 1216, 346-63	4.5	297
38	Development of the first certified reference materials for several brominated flame retardants in polymers. <i>Analytical Chemistry</i> , 2009 , 81, 3792-800	7.8	13
37	The Belgian PCB/dioxin crisis-8 years later An overview. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 164-70	5.8	50
36	Dietary PCB intake in Belgium. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 179-82	5.8	46
35	Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in human liver and adipose tissue samples from Belgium. <i>Chemosphere</i> , 2008 , 73, 170-5	8.4	122
34	Chapter 15 Brominated Flame Retardants as Food Contaminants. <i>Comprehensive Analytical Chemistry</i> , 2008 , 507-570	1.9	3
33	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	4.4	6
32	Biomagnification of PBDEs in three small terrestrial food chains. <i>Environmental Science & Technology</i> , 2007 , 41, 411-6	10.3	91
31	Anthropogenic and naturally occurring organobrominated compounds in fish oil dietary supplements. <i>Environmental Science & Technology</i> , 2007 , 41, 5237-44	10.3	43
30	Recent developments in the analysis of brominated flame retardants and brominated natural compounds. <i>Journal of Chromatography A</i> , 2007 , 1153, 145-71	4.5	229
29	Dietary PBDE intake: a market-basket study in Belgium. <i>Environment International</i> , 2007 , 33, 93-7	12.9	158
28	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, 257-64	12.9	37
27	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, 328-37	12.9	84
26	Accumulation, tissue-specific distribution and debromination of decabromodiphenyl ether (BDE 209) in European starlings (<i>Sturnus vulgaris</i>). <i>Environmental Pollution</i> , 2007 , 148, 648-53	9.3	135
25	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, 361-6	10.2	94
24	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	10.2	183

23	Can predatory bird feathers be used as a non-destructive biomonitoring tool of organic pollutants?. <i>Biology Letters</i> , 2006 , 2, 283-5	3.6	64
22	Remarkable findings concerning PBDEs in the terrestrial top-predator red fox (<i>Vulpes vulpes</i>). <i>Environmental Science & Technology</i> , 2006 , 40, 2937-43	10.3	76
21	Levels and distribution of polybrominated diphenyl ethers in various tissues of birds of prey. <i>Environmental Pollution</i> , 2006 , 144, 218-27	9.3	82
20	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, 340-52	9.3	145
19	Hexabromocyclododecanes (HBCDs) in the environment and humans: a review. <i>Environmental Science & Technology</i> , 2006 , 40, 3679-88	10.3	630
18	Hexabromocyclododecane in marine species from the Western Scheldt Estuary: diastereoisomer- and enantiomer-specific accumulation. <i>Environmental Science & Technology</i> , 2005 , 39, 1987-94	10.3	263
17	Hexabromocyclododecane challenges scientists and regulators. <i>Environmental Science & Technology</i> , 2005 , 39, 281A-287A	10.3	141
16	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, 367-75	12.9	137
15	Brominated flame retardants and organochlorine pollutants in eggs of little owls (<i>Athene noctua</i>) from Belgium. <i>Environmental Pollution</i> , 2005 , 136, 81-8	9.3	74
14	Polybrominated diphenyl ethers (PBDEs) in freshwater mussels and fish from Flanders, Belgium. <i>Journal of Environmental Monitoring</i> , 2005 , 7, 132-6		42
13	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, 216-23	3.2	102
12	Uptake and tissue-specific distribution of selected polychlorinated biphenyls in developing chicken embryos. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 597-602	3.8	22
11	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	6.7	94
10	PBDEs in marine and freshwater sediments from Belgium: levels, profiles and relations with biota. <i>Journal of Environmental Monitoring</i> , 2004 , 6, 914-8		31
9	Accumulation and tissue distribution of selected polychlorinated biphenyl congeners in chickens. <i>Chemosphere</i> , 2004 , 57, 61-6	8.4	31
8	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, 4573-8	10.3	26
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, 4348-57	10.3	206
6	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, 735-56	12.9	348

5	The distribution of octachlorostyrene (OCS) in environmental samples from Europe. <i>Journal of Environmental Monitoring</i> , 2003 , 5, 619-25		25
4	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, 22-9	2.7	66
3	Distribution of organobrominated and organochlorinated contaminants in Belgian human adipose tissue. <i>Environmental Research</i> , 2002 , 88, 210-8	7.9	150
2	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, 790-8	7.8	88
1	Cascaded Valorization of Food Waste using Bioconversions as Core Processes427-442		1