

Stefan Voorspoels

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6704714/stefan-voorspoels-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
93	Hexabromocyclododecanes (HBCDs) in the environment and humans: a review. <i>Environmental Science & Technology</i> , 2006 , 40, 3679-88	10.3	630
92	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
91	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
90	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
89	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
88	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
87	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
86	Dietary PBDE intake: a market-basket study in Belgium. <i>Environment International</i> , 2007 , 33, 93-7	12.9	158
85	Distribution of organobrominated and organochlorinated contaminants in Belgian human adipose tissue. <i>Environmental Research</i> , 2002 , 88, 210-8	7.9	150
84	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
83	Hexabromocyclododecane challenges scientists and regulators. <i>Environmental Science & Technology</i> , 2005 , 39, 281A-287A	10.3	141
82	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
81	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
80	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
79	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
78	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

77	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
76	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
75	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
74	Biomagnification of PBDEs in three small terrestrial food chains. <i>Environmental Science & Technology</i> , 2007 , 41, 411-6	10.3	91
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	The Belgian PCB/dioxin crisis-8 years later An overview. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 164-70	5.8	50
61	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
60	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

59	Dietary PCB intake in Belgium. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 179-82	5.8	46
58	Anthropogenic and naturally occurring organobrominated compounds in fish oil dietary supplements. <i>Environmental Science & Technology</i> , 2007 , 41, 5237-44	10.3	43
57	Polybrominated diphenyl ethers (PBDEs) in freshwater mussels and fish from Flanders, Belgium. <i>Journal of Environmental Monitoring</i> , 2005 , 7, 132-6		42
56	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
55	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
54	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
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	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
51	Sampling strategy for estimating human exposure pathways to consumer chemicals. <i>Emerging Contaminants</i> , 2016 , 2, 26-36	5.8	32
50	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
49	Accumulation and tissue distribution of selected polychlorinated biphenyl congeners in chickens. <i>Chemosphere</i> , 2004 , 57, 61-6	8.4	31
48	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
47	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
46	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
45	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
44	Occurrence of selected halogenated flame retardants in Belgian foodstuff. <i>Chemosphere</i> , 2018 , 194, 256-265	8.4	27
43	New approach for assessing human perfluoroalkyl exposure via hair. <i>Talanta</i> , 2015 , 144, 574-83	6.2	26
42	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

41	A First Step in the Quest for the Active Constituents in Filipendula ulmaria (Meadowsweet): Comprehensive Phytochemical Identification by Liquid Chromatography Coupled to Quadrupole-Orbitrap Mass Spectrometry. <i>Planta Medica</i> , 2016 , 82, 559-72	3.1	25
40	The distribution of octachlorostyrene (OCS) in environmental samples from Europe. <i>Journal of Environmental Monitoring</i> , 2003 , 5, 619-25		25
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	Egg-derived bioactive peptides with ACE-inhibitory properties: a literature update. <i>Food and Function</i> , 2017 , 8, 3847-3855	6.1	19
28	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
27	Lipolysis in <i>T-Isochrysis lutea</i> during wet storage at different temperatures. <i>Algal Research</i> , 2016 , 18, 281-287	5	18
26	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
25	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
24	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

23	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
22	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
21	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
20	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
19	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
18	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
17	Case Study on Screening Emerging Pollutants in Urine and Nails. <i>Environmental Science & Technology</i> , 2017 , 51, 4046-4053	10.3	10
16	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on All-Silica Zeolite Beta. <i>Angewandte Chemie</i> , 2020 , 132, 14190-14194	3.6	9
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	Chapter 15 Brominated Flame Retardants as Food Contaminants. <i>Comprehensive Analytical Chemistry</i> , 2008 , 507-570	1.9	3
6	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

5	Supercritical CO Extraction of Bioactive Compounds from Mango (L.) Peel and Pulp. <i>Foods</i> , 2021 , 10,	4.9	3
4	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
3	Cascaded Valorization of Food Waste using Bioconversions as Core Processes427-442		1
2	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
1	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	