

Joris Van Loco

List of Publications by Year in descending order

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107
papers

3,874
citations

126907

33
h-index

149698

56
g-index

108
all docs

108
docs citations

108
times ranked

5284
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of dietary and non-dietary exposure to bisphenol-A. <i>Food and Chemical Toxicology</i> , 2012, 50, 3725-3740.	3.6	747
2	Linearity of calibration curves: use and misuse of the correlation coefficient. <i>Accreditation and Quality Assurance</i> , 2002, 7, 281-285.	0.8	184
3	Development of a Fast Analytical Method for the Determination of Sudan Dyes in Chili- and Curry-Containing Foodstuffs by High-Performance Liquid Chromatographyâ€”Photodiode Array Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 639-644.	5.2	154
4	Occurrence of Organophosphorus Flame Retardants and Plasticizers (PFRs) in Belgian Foodstuffs and Estimation of the Dietary Exposure of the Adult Population. <i>Environmental Science & Technology</i> , 2018, 52, 2331-2338.	10.0	140
5	Occurrence of antibiotics in pharmaceutical industrial wastewater, wastewater treatment plant and sea waters in Tunisia. <i>Journal of Water and Health</i> , 2016, 14, 208-213.	2.6	110
6	Effect of household and industrial processing on levels of five pesticide residues and two degradation products in spinach. <i>Food Control</i> , 2012, 25, 397-406.	5.5	86
7	Dietary intake of PCDD/Fs and dioxin-like PCBs of the Belgian population. <i>Chemosphere</i> , 2010, 79, 334-340.	8.2	73
8	Toxic textile dyes accumulate in wild European eel <i>Anguilla anguilla</i> . <i>Chemosphere</i> , 2015, 138, 784-791.	8.2	65
9	Dietary intake of artificial sweeteners by the Belgian population. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 54-65.	2.3	57
10	The CALUX bioassay: Current status of its application to screening food and feed. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 410-420.	11.4	56
11	Validation of a method for the detection and confirmation of nitroimidazoles and the corresponding hydroxy metabolites in pig plasma by high performance liquid chromatographyâ€”tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 586, 383-393.	5.4	56
12	Development and application of a non-targeted extraction method for the analysis of migrating compounds from plastic baby bottles by GC-MS. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 2090-2102.	2.3	53
13	Prevalence and Levels of <i>Bacillus cereus</i> Emetic Toxin in Rice Dishes Randomly Collected from Restaurants and Comparison with the Levels Measured in a Recent Foodborne Outbreak. <i>Foodborne Pathogens and Disease</i> , 2012, 9, 809-814.	1.8	51
14	Rapid analysis of melamine residue in milk, milk products, bakery goods and flour by ultra-performance liquid chromatography/tandem mass spectrometry: From food crisis to accreditation. <i>Food Control</i> , 2011, 22, 226-230.	5.5	48
15	Dietary intake of hexabromocyclododecane diastereoisomers ($\hat{1}\pm$ -, $\hat{1}^2$ -, and $\hat{1}^3$ -HBCD) in the Belgian adult population. <i>Chemosphere</i> , 2011, 84, 279-288.	8.2	48
16	Plasticizers and bisphenol A, in packaged foods sold in the Tunisian markets: study of their acute in vivo toxicity and their environmental fate. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22382-22392.	5.3	48
17	Determination of acrylamide levels in selected foods in Brazil. <i>Food Additives and Contaminants</i> , 2007, 24, 236-241.	2.0	44
18	Estimation of dietary aluminum exposure of the Belgian adult population: Evaluation of contribution of food and kitchenware. <i>Food and Chemical Toxicology</i> , 2013, 55, 602-608.	3.6	43

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19	Analysis of benzophenone and 4-methylbenzophenone in breakfast cereals using ultrasonic extraction in combination with gas chromatography-tandem mass spectrometry (GC-MS). <i>Analytica Chimica Acta</i> , 2010, 663, 55-59.	5.4	41
20	Migration of 18 trace elements from ceramic food contact material: Influence of pigment, pH, nature of acid and temperature. <i>Food and Chemical Toxicology</i> , 2012, 50, 734-743.	3.6	41
21	Assessment of human exposure to benzene through foods from the Belgian market. <i>Chemosphere</i> , 2012, 88, 1001-1007.	8.2	41
22	Hair mercury and urinary cadmium levels in Belgian children and their mothers within the framework of the COPHES/DEMOCOPHES projects. <i>Science of the Total Environment</i> , 2014, 472, 730-740.	8.0	40
23	Application of LC-MS/MS MRM to Determine Staphylococcal Enterotoxins (SEB and SEA) in Milk. <i>Toxins</i> , 2016, 8, 118.	3.4	40
24	Determinants of persistent organic pollutant (POP) concentrations in human breast milk of a cross-sectional sample of primiparous mothers in Belgium. <i>Environment International</i> , 2019, 131, 104979.	10.0	40
25	Isolation and characterization of antibiotic-resistant bacteria from pharmaceutical industrial wastewaters. <i>Microbial Pathogenesis</i> , 2015, 89, 54-61.	2.9	38
26	Effect of household and industrial processing on the levels of pesticide residues and degradation products in melons. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 1058-1066.	2.3	36
27	Occurrence of selected halogenated flame retardants in Belgian foodstuff. <i>Chemosphere</i> , 2018, 194, 256-265.	8.2	36
28	Foodborne Cereulide Causes Beta-Cell Dysfunction and Apoptosis. <i>PLoS ONE</i> , 2014, 9, e104866.	2.5	36
29	Calculation of the decision limit (CC_{\pm}) and the detection capability (CC_{\pm}^2) for banned substances: The imperfect marriage between the quantitative and the qualitative criteria. <i>Analytica Chimica Acta</i> , 2007, 586, 8-12.	5.4	35
30	Identification of substances migrating from plastic baby bottles using a combination of low-resolution and high-resolution mass spectrometric analysers coupled to gas and liquid chromatography. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1234-1244.	1.6	35
31	A downscaled multi-residue strategy for detection of anabolic steroids in bovine urine using gas chromatography tandem mass spectrometry (GC-MS3). <i>Analytica Chimica Acta</i> , 2007, 586, 43-48.	5.4	34
32	Dietary exposure of the Belgian adult population to non-dioxin-like PCBs. <i>Food and Chemical Toxicology</i> , 2013, 59, 670-679.	3.6	34
33	Identification and risk assessment of human and veterinary antibiotics in the wastewater treatment plants and the adjacent sea in Tunisia. <i>Water Science and Technology</i> , 2017, 76, 3000-3021.	2.5	34
34	The international validation of bio- and chemical-analytical screening methods for dioxins and dioxin-like PCBs: the DIFFERENCE project rounds 1 and 2. <i>Talanta</i> , 2004, 63, 1169-1182.	5.5	33
35	Optimisation of a liquid chromatography-tandem mass spectrometric method for the determination of acrylamide in foods. <i>Analytica Chimica Acta</i> , 2006, 556, 275-280.	5.4	33
36	Estimate of intake of sulfites in the Belgian adult population. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010, 27, 1072-1083.	2.3	31

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37	Follow-up of the <i>Bacillus cereus</i> emetic toxin production in penne pasta under household conditions using liquid chromatography coupled with mass spectrometry. <i>Food Microbiology</i> , 2011, 28, 1105-1109.	4.2	31
38	Processing Factors of Several Pesticides and Degradation Products in Carrots by Household and Industrial Processing. <i>Journal of Food Research</i> , 2012, 1, 68.	0.3	31
39	A Simple and Fast HPLC Method to Determine Lycopene in Foods. <i>Food Analytical Methods</i> , 2012, 5, 1221-1228.	2.6	30
40	Development and validation of an ultra-high performance liquid chromatography-tandem mass spectrometry method to measure creatinine in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 88-97.	2.3	29
41	Assessment of dietary intake of 10 intense sweeteners by the Italian population. <i>Food and Chemical Toxicology</i> , 2017, 102, 186-197.	3.6	29
42	Contribution of selected foods to acrylamide intake by a population of Brazilian adolescents. <i>LWT - Food Science and Technology</i> , 2009, 42, 207-211.	5.2	28
43	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.	5.5	28
44	Migration of 17 Photoinitiators from Printing Inks and Cardboard into Packaged Food - Results of a Belgian Market Survey. <i>Packaging Technology and Science</i> , 2016, 29, 121-131.	2.8	26
45	Persistent plasticizers and bisphenol in the cheese of Tunisian markets induced biochemical and histopathological alterations in male BALB/c mice. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6545-6557.	5.3	26
46	Optimization and validation of a liquid chromatography tandem mass spectrometry (LC/MSn) method for analysis of corticosteroids in bovine liver: Evaluation of Keyhole Limpet β -glucuronidase/sulfatase enzyme extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 635-644.	2.3	25
47	Screening of endocrine activity of compounds migrating from plastic baby bottles using a multi-receptor panel of in vitro bioassays. <i>Toxicology in Vitro</i> , 2016, 37, 121-133.	2.4	25
48	Dietary intakes of six intense sweeteners by Irish adults. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 425-438.	2.3	25
49	Pesticide Residues on Three Cut Flower Species and Potential Exposure of Florists in Belgium. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 943.	2.6	24
50	Estimate of intake of benzoic acid in the Belgian adult population. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009, 26, 958-968.	2.3	23
51	On-line solid-phase extraction with ultra performance liquid chromatography and tandem mass spectrometry for the detection of nicotine, cotinine and trans-3-hydroxycotinine in urine to strengthen human biomonitoring and smoking cessation studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 76, 126-133.	2.8	23
52	Multi-dye residue analysis of triarylmethane, xanthene, phenothiazine and phenoxazine dyes in fish tissues by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 953-954, 92-101.	2.3	23
53	Ecotoxicological potential of antibiotic pollution-industrial wastewater: bioavailability, biomarkers, and occurrence in <i>Mytilus galloprovincialis</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 15343-15350.	5.3	23
54	Importance of REP values when comparing the CALUX bioassay results with chemoanalyses results Example with spiked vegetable oils. <i>Talanta</i> , 2004, 63, 1255-1259.	5.5	22

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55	Determination of bixin and norbixin in meat using liquid chromatography and photodiode array detection. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009, 26, 17-24.	2.3	22
56	UPLC-MS/MS analysis of antibiotics in pharmaceutical effluent in Tunisia: ecotoxicological impact and multi-resistant bacteria dissemination. <i>Archives of Microbiology</i> , 2018, 200, 553-565.	2.2	22
57	Simultaneous determination of parabens, bisphenols and alkylphenols in human placenta by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1121, 96-102.	2.3	22
58	Factors Influencing Benzene Formation from the Decarboxylation of Benzoate in Liquid Model Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12975-12981.	5.2	21
59	Exposure to domoic acid through shellfish consumption in Belgium. <i>Environment International</i> , 2012, 49, 115-119.	10.0	21
60	Acrylonitrile exposure in the general population following a major train accident in Belgium: A human biomonitoring study. <i>Toxicology Letters</i> , 2014, 231, 344-351.	0.8	21
61	Comparison of four analytical techniques based on atomic spectrometry for the determination of total tin in canned foodstuffs. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 173-179.	2.3	20
62	Occurrence of volatile organic compounds in foods from the Belgian market and dietary exposure assessment. <i>Food Control</i> , 2015, 52, 1-8.	5.5	20
63	Determination of selected veterinary antimicrobials in poultry excreta by UHPLC-MS/MS, for application in Salmonella control programs. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4447-4457.	3.7	19
64	Nicotine Dependence and Urinary Nicotine, Cotinine and Hydroxycotinine Levels in Daily Smokers. <i>Nicotine and Tobacco Research</i> , 2016, 18, 1813-1819.	2.6	19
65	Evaluation of the potential health risks of substances migrating from polycarbonate replacement baby bottles. <i>Food and Chemical Toxicology</i> , 2016, 97, 108-119.	3.6	19
66	Investigation of the genotoxicity of substances migrating from polycarbonate replacement baby bottles to identify chemicals of high concern. <i>Food and Chemical Toxicology</i> , 2016, 89, 126-137.	3.6	19
67	A Modified Sample Preparation for Acrylamide Determination in Cocoa and Coffee Products. <i>Food Analytical Methods</i> , 2008, 1, 49-55.	2.6	18
68	Determination of benzene in different food matrices by distillation and isotope dilution HS-GC/MS. <i>Analytica Chimica Acta</i> , 2010, 672, 124-129.	5.4	18
69	Determination of Bacillus cereus Emetic Toxin in Food Products by Means of LC-MS ² . <i>Food Analytical Methods</i> , 2012, 5, 969-979.	2.6	18
70	Interpretation of CALUX results in view of the EU maximal TEQ level in milk. <i>Talanta</i> , 2004, 63, 1241-1247.	5.5	17
71	A rapid and environmental friendly determination of the dithiocarbamate metabolites ethylenethiourea and propylenethiourea in fruit and vegetables by ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 4627-4631.	3.7	17
72	Evaluation of the migration of 15 photo-initiators from cardboard packaging into Tenax [®] using ultra-performance liquid chromatography-tandem mass spectrometry (UPLC-MS/MS). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 767-775.	2.3	17

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73	Determination of caramel colorantsâ€™ by-products in liquid foods by ultra-high-performance liquid chromatography-tandem mass spectrometry (UPLC-MS/MS). Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 1652-1660.	2.3	17
74	Tea brewed in traditional metallic teapots as a significant source of lead, nickel and other chemical elements. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2011, 28, 1287-1293.	2.3	16
75	Modelling aluminium leaching into food from different foodware materials with multi-level factorial design of experiments. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1322-1333.	2.3	16
76	Dietary exposure of the Belgian adult population to 70 food additives with numerical ADI. Food Control, 2015, 54, 86-94.	5.5	16
77	Validity and Reproducibility of a Food Frequency Questionnaire for Dietary Factors Related to Colorectal Cancer. Nutrients, 2017, 9, 1257.	4.1	16
78	Migration of photoinitiators from cardboard into dry food: evaluation of TenaxÂ® as a food simulant. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 913-920.	2.3	15
79	The Use of TenaxÂ® as a Simulant for the Migration of Contaminants in Dry Foodstuffs: A Review. Packaging Technology and Science, 2018, 31, 781-790.	2.8	15
80	Weight and head circumference at birth in function of placental paraben load in Belgium: an ENVIRONAGE birth cohort study. Environmental Health, 2020, 19, 83.	4.0	15
81	Speciation study of aluminium in beverages by Competitive Ligand Exchangeâ€™ Adsorptive Stripping Voltammetry. Talanta, 2014, 122, 30-35.	5.5	14
82	Cereulide food toxin, beta cell function and diabetes: Facts and hypotheses. Diabetes Research and Clinical Practice, 2015, 109, 1-5.	2.8	13
83	Rapid Determination of Ethephon in Grapes by Hydrophilic Interaction Chromatography Tandem Mass Spectrometry. Food Analytical Methods, 2015, 8, 524-530.	2.6	13
84	Titanium dioxide particles frequently present in face masks intended for general use require regulatory control. Scientific Reports, 2022, 12, 2529.	3.3	13
85	Evaluation of the migration of chemicals from baby bottles under standardised and duration testing conditions. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 893-904.	2.3	12
86	Quantitative Determination of Migrating compounds from Plastic Baby Bottles by Validated GC-QqQ-MS and LC-QqQ-MS Methods. Food Analytical Methods, 2016, 9, 2600-2612.	2.6	12
87	Rapid method for the confirmatory analysis of chrysoidine in aquaculture products by ultraâ€™performance liquid chromatographyâ€™ tandem mass spectrometry. Biomedical Chromatography, 2010, 24, 982-989.	1.7	11
88	Low calorie sweeteners in food and food supplements on the Italian market. Food Additives and Contaminants: Part B Surveillance, 2015, 8, 150925162021009.	2.8	11
89	Development and validation of a quantitative UHPLC-MS/MS method for selected brominated flame retardants in food. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 292-304.	2.3	11
90	Dietary intake of lycopene by the Belgian adult population. Public Health Nutrition, 2014, 17, 248-255.	2.2	10

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91	Incidence of dairy wastewater on morphological and physiological compartment of Chemlali and Chetoui olive. <i>Water Resources and Industry</i> , 2018, 20, 29-36.	3.9	10
92	Ecotoxicity profile of heavily contaminated surface water of two rivers in Tunisia. <i>Environmental Toxicology and Pharmacology</i> , 2021, 82, 103550.	4.0	10
93	Acrylonitrile exposure assessment in the emergency responders of a major train accident in Belgium: A human biomonitoring study. <i>Toxicology Letters</i> , 2014, 231, 352-359.	0.8	9
94	Designation of pathogenic resistant bacteria in the Sparusaurata sea collected in Tunisia coastlines: Correlation with high performance liquid chromatography-tandem mass spectrometry analysis of antibiotics. <i>Microbial Pathogenesis</i> , 2017, 106, 3-8.	2.9	8
95	Analysis of fluoride in toothpastes on the Belgian market. <i>International Journal of Cosmetic Science</i> , 2008, 30, 145-152.	2.6	7
96	Estimation of the minimum detectable value for the determination of PCBs in fatty food samples by GCâ€“ECD: a curvilinear calibration case. <i>Analytica Chimica Acta</i> , 2003, 483, 413-418.	5.4	6
97	Short-term health effects in the general population following a major train accident with acrylonitrile in Belgium. <i>Environmental Research</i> , 2016, 148, 256-263.	7.5	6
98	Human urine contamination with environmental pollutants: simultaneous determination using UPLC-MS/MS. <i>Journal of Water and Health</i> , 2019, 17, 371-379.	2.6	6
99	Urinary sodium and iodine concentrations among Belgian adults: results from the first national Health Examination Survey. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 689-696.	2.9	6
100	Occurrence of Textile Dyes and Metals in Tunisian Textile Dyeing Effluent: Effects on Oxidative Stress Status and Histological Changes in Balb/c Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12568.	4.1	6
101	Determination of acrylamide in Brazilian foods by LCâ€“MS/MS. <i>Toxicology Letters</i> , 2006, 164, S268-S269.	0.8	5
102	Method Validation for Food Analysis: Concepts and Use of Statistical Techniques. , 0, , 135-165.		2
103	Dietary exposure of Brazilian adolescents to acrylamide. <i>Toxicology Letters</i> , 2007, 172, S190.	0.8	2
104	Foodborne cereulide causes beta cell dysfunction and apoptosis. <i>Archives of Public Health</i> , 2014, 72, .	2.4	1
105	Evaluation of the presence of cereulide in food products collected from the Belgian market. <i>International Journal of Food Contamination</i> , 2015, 2, .	4.3	1
106	Development, validation and application of multi-class methods for the analysis of food additives by liquid chromatography coupled to tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 0, , 1-16.	2.3	1
107	Strategies for multi-site GLP studies. <i>Accreditation and Quality Assurance</i> , 2003, 8, 61-67.	0.8	0