

Isabelle Sioen

List of Publications by Citations

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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.

121
papers

3,950
citations

37
h-index

57
g-index

124
ext. papers

4,480
ext. citations

5.5
avg, IF

5.02
L-index

#	Paper	IF	Citations
121	Analysis of phthalates in food products and packaging materials sold on the Belgian market. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2575-83	4.7	232
120	Consumer perception versus scientific evidence about health benefits and safety risks from fish consumption. <i>Public Health Nutrition</i> , 2005 , 8, 422-9	3.3	171
119	Human biomonitoring of multiple mycotoxins in the Belgian population: Results of the BIOMYCO study. <i>Environment International</i> , 2015 , 84, 82-9	12.9	137
118	Consumer perception versus scientific evidence of farmed and wild fish: exploratory insights from Belgium. <i>Aquaculture International</i> , 2007 , 15, 121-136	2.6	119
117	Perceived importance of sustainability and ethics related to fish: a consumer behavior perspective. <i>Ambio</i> , 2007 , 36, 580-5	6.5	89
116	Concept of the Flemish human biomonitoring programme. <i>International Journal of Hygiene and Environmental Health</i> , 2012 , 215, 102-8	6.9	85
115	Dietary exposure assessments for children in europe (the EXPOCHI project): rationale, methods and design. <i>Archives of Public Health</i> , 2011 , 69, 4	2.6	84
114	Percentile reference values for anthropometric body composition indices in European children from the IDEFICS study. <i>International Journal of Obesity</i> , 2014 , 38 Suppl 2, S15-25	5.5	81
113	Effects of pan-frying in margarine and olive oil on the fatty acid composition of cod and salmon. <i>Food Chemistry</i> , 2006 , 98, 609-617	8.5	80
112	Occurrence of halogenated flame retardants in commercial seafood species available in European markets. <i>Food and Chemical Toxicology</i> , 2017 , 104, 35-47	4.7	79
111	Levels of physical activity that predict optimal bone mass in adolescents: the HELENA study. <i>American Journal of Preventive Medicine</i> , 2011 , 40, 599-607	6.1	79
110	Combined Effects of Prenatal Exposures to Environmental Chemicals on Birth Weight. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	77
109	Systematic Review on N-3 and N-6 Polyunsaturated Fatty Acid Intake in European Countries in Light of the Current Recommendations - Focus on Specific Population Groups. <i>Annals of Nutrition and Metabolism</i> , 2017 , 70, 39-50	4.5	76
108	Prenatal exposure to environmental contaminants and behavioural problems at age 7-8years. <i>Environment International</i> , 2013 , 59, 225-31	12.9	73
107	Multimycotoxin analysis in urines to assess infant exposure: a case study in Cameroon. <i>Environment International</i> , 2013 , 57-58, 50-9	12.9	69
106	Phthalates dietary exposure and food sources for Belgian preschool children and adults. <i>Environment International</i> , 2012 , 48, 102-8	12.9	64
105	Comparison of the nutritional-toxicological conflict related to seafood consumption in different regions worldwide. <i>Regulatory Toxicology and Pharmacology</i> , 2009 , 55, 219-28	3.4	61

104	Associations Between Body Composition and Bone Health in Children and Adolescents: A Systematic Review. <i>Calcified Tissue International</i> , 2016 , 99, 557-577	3.9	59
103	Communicating risks and benefits from fish consumption: impact on Belgian consumers' perception and intention to eat fish. <i>Risk Analysis</i> , 2008 , 28, 951-67	3.9	58
102	Probabilistic intake assessment of multiple compounds as a tool to quantify the nutritional-toxicological conflict related to seafood consumption. <i>Chemosphere</i> , 2008 , 71, 1056-66	8.4	58
101	Three cycles of human biomonitoring in Flanders - Time trends observed in the Flemish Environment and Health Study. <i>International Journal of Hygiene and Environmental Health</i> , 2017 , 220, 36-45	6.9	55
100	UV-filters and musk fragrances in seafood commercialized in Europe Union: Occurrence, risk and exposure assessment. <i>Environmental Research</i> , 2018 , 161, 399-408	7.9	53
99	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
98	Prenatal exposure to environmental contaminants and body composition at age 7-9 years. <i>Environmental Research</i> , 2014 , 132, 24-32	7.9	51
97	Neurobehavioral performance in adolescents is inversely associated with traffic exposure. <i>Environment International</i> , 2015 , 75, 136-43	12.9	48
96	Trace metals in blood and urine of newborn/mother pairs, adolescents and adults of the Flemish population (2007-2011). <i>International Journal of Hygiene and Environmental Health</i> , 2014 , 217, 878-90	6.9	47
95	A literature-based comparison of nutrient and contaminant contents between organic and conventional vegetables and potatoes. <i>British Food Journal</i> , 2009 , 111, 1078-1097	2.8	47
94	Residential landscape as a predictor of psychosocial stress in the life course from childhood to adolescence. <i>Environment International</i> , 2018 , 120, 456-463	12.9	46
93	Validity of 24-h recalls in (pre-)school aged children: comparison of proxy-reported energy intakes with measured energy expenditure. <i>Clinical Nutrition</i> , 2014 , 33, 79-84	5.9	45
92	Consumers' health risk-benefit perception of seafood and attitude toward the marine environment: Insights from five European countries. <i>Environmental Research</i> , 2015 , 143, 11-9	7.9	42
91	Determinants of bisphenol A and phthalate metabolites in urine of Flemish adolescents. <i>Environmental Research</i> , 2014 , 134, 110-7	7.9	42
90	Longitudinal association between child stress and lifestyle. <i>Health Psychology</i> , 2015 , 34, 40-50	5	41
89	Development of a nutrient database and distributions for use in a probabilistic risk-benefit analysis of human seafood consumption. <i>Journal of Food Composition and Analysis</i> , 2007 , 20, 662-670	4.1	41
88	Importance of seafood as nutrient source in the diet of Belgian adolescents. <i>Journal of Human Nutrition and Dietetics</i> , 2007 , 20, 580-9	3.1	41
87	n-6 and n-3 PUFA intakes of pre-school children in Flanders, Belgium. <i>British Journal of Nutrition</i> , 2007 , 98, 819-25	3.6	40

86	Associations of reward sensitivity with food consumption, activity pattern, and BMI in children. <i>Appetite</i> , 2016 , 100, 189-96	4.5	37
85	Determination of contamination pathways of phthalates in food products sold on the Belgian market. <i>Environmental Research</i> , 2014 , 134, 345-52	7.9	37
84	Impact of physical activity, sedentary behaviour and muscle strength on bone stiffness in 2-10-year-old children-cross-sectional results from the IDEFICS study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015 , 12, 112	8.4	36
83	The IDEFICS validation study on field methods for assessing physical activity and body composition in children: design and data collection. <i>International Journal of Obesity</i> , 2011 , 35 Suppl 1, S79-87	5.5	34
82	Intake of phytosterols from natural sources and risk of cardiovascular disease in the European Prospective Investigation into Cancer and Nutrition-the Netherlands (EPIC-NL) population. <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 1067-75	3.9	33
81	Associations of dietary calcium, vitamin D, milk intakes, and 25-hydroxyvitamin D with bone mass in Spanish adolescents: the HELENA study. <i>Journal of Clinical Densitometry</i> , 2013 , 16, 110-7	3.5	32
80	Children's Body composition and Stress - the ChiBS study: aims, design, methods, population and participation characteristics. <i>Archives of Public Health</i> , 2012 , 70, 17	2.6	32
79	Fish consumption is a safe solution to increase the intake of long-chain n-3 fatty acids. <i>Public Health Nutrition</i> , 2008 , 11, 1107-16	3.3	32
78	Phthalates in Belgian cow's milk and the role of feed and other contamination pathways at farm level. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2945-53	4.7	31
77	Consuming organic versus conventional vegetables: the effect on nutrient and contaminant intakes. <i>Food and Chemical Toxicology</i> , 2010 , 48, 3058-66	4.7	30
76	Effect of pan-frying in different culinary fats on the fatty acid profile of pork. <i>Food Chemistry</i> , 2007 , 102, 857-864	8.5	30
75	Investigating unmetabolized polycyclic aromatic hydrocarbons in adolescents' urine as biomarkers of environmental exposure. <i>Chemosphere</i> , 2016 , 155, 48-56	8.4	30
74	Determinants of vitamin D status in young children: results from the Belgian arm of the IDEFICS (Identification and Prevention of Dietary- and Lifestyle-Induced Health Effects in Children and Infants) Study. <i>Public Health Nutrition</i> , 2012 , 15, 1093-9	3.3	29
73	Pharmaceuticals and endocrine disruptors in raw and cooked seafood from European market: Concentrations and human exposure levels. <i>Environment International</i> , 2018 , 119, 570-581	12.9	29
72	Vitamin D status and physical activity interact to improve bone mass in adolescents. The HELENA Study. <i>Osteoporosis International</i> , 2012 , 23, 2227-37	5.3	27
71	Monitoring chlorinated persistent organic pollutants in adolescents in Flanders (Belgium): concentrations, trends and dose-effect relationships (FLEHS II). <i>Environment International</i> , 2014 , 71, 20-8	12.9	26
70	Environmental exposure to human carcinogens in teenagers and the association with DNA damage. <i>Environmental Research</i> , 2017 , 152, 165-174	7.9	26
69	Expression of the sFLT1 gene in cord blood cells is associated to maternal arsenic exposure and decreased birth weight. <i>PLoS ONE</i> , 2014 , 9, e92677	3.7	25

68	Dietary sources and sociodemographic and economic factors affecting vitamin D and calcium intakes in Flemish preschoolers. <i>European Journal of Clinical Nutrition</i> , 2011 , 65, 1039-47	5.2	25
67	Risk assessment of methylmercury in five European countries considering the national seafood consumption patterns. <i>Food and Chemical Toxicology</i> , 2017 , 104, 26-34	4.7	24
66	Endocrine actions of pesticides measured in the Flemish environment and health studies (FLEHS I and II). <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14589-99	5.1	23
65	Cross-lagged associations between children's stress and adiposity: the Children's Body Composition and Stress study. <i>Psychosomatic Medicine</i> , 2015 , 77, 50-8	3.7	23
64	Occurrence of cyclic imines in European commercial seafood and consumers risk assessment. <i>Environmental Research</i> , 2018 , 161, 392-398	7.9	23
63	Children's sleep quality: relation with sleep duration and adiposity. <i>Public Health</i> , 2014 , 128, 488-90	4	23
62	Internal exposure to organochlorine pollutants and cadmium and self-reported health status: a prospective study. <i>International Journal of Hygiene and Environmental Health</i> , 2015 , 218, 232-45	6.9	23
61	Reference values of bone stiffness index and C-terminal telopeptide in healthy European children. <i>International Journal of Obesity</i> , 2014 , 38 Suppl 2, S76-85	5.5	23
60	Effect of ALA-enriched food supply on cardiovascular risk factors in males. <i>Lipids</i> , 2009 , 44, 603-11	1.6	23
59	Long-term dietary exposure to different food colours in young children living in different European countries. <i>EFSA Supporting Publications</i> , 2010 , 7, 53E	1.1	23
58	How to Use Secondary Data on Seafood Contamination for Probabilistic Exposure Assessment Purposes? Main Problems and Potential Solutions. <i>Human and Ecological Risk Assessment (HERA)</i> , 2007 , 13, 632-657	4.9	23
57	TDS exposure project: relevance of the total diet study approach for different groups of substances. <i>Food and Chemical Toxicology</i> , 2014 , 73, 21-34	4.7	22
56	Marine environmental contamination: public awareness, concern and perceived effectiveness in five European countries. <i>Environmental Research</i> , 2015 , 143, 4-10	7.9	21
55	Children's psychosocial stress and emotional eating: A role for leptin?. <i>International Journal of Eating Disorders</i> , 2017 , 50, 471-480	6.3	20
54	Health effects in the Flemish population in relation to low levels of mercury exposure: from organ to transcriptome level. <i>International Journal of Hygiene and Environmental Health</i> , 2014 , 217, 239-47	6.9	20
53	The influence of dairy consumption, sedentary behaviour and physical activity on bone mass in Flemish children: a cross-sectional study. <i>BMC Public Health</i> , 2015 , 15, 717	4.1	19
52	C-reactive protein reference percentiles among pre-adolescent children in Europe based on the IDEFICS study population. <i>International Journal of Obesity</i> , 2014 , 38 Suppl 2, S26-31	5.5	19
51	Assessment of mycotoxin exposure in the Belgian population using biomarkers: aim, design and methods of the BIOMYCO study. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 924-31	3.2	19

50	Socioeconomic status and bone mass in Spanish adolescents. The HELENA Study. <i>Journal of Adolescent Health</i> , 2012 , 50, 484-90	5.8	19
49	The influence of n-3 PUFA supplements and n-3 PUFA enriched foods on the n-3 LC PUFA intake of Flemish women. <i>Lipids</i> , 2010 , 45, 313-20	1.6	19
48	Probabilistic intake assessment of polybrominated diphenyl ethers and omega-3 fatty acids through fish consumption. <i>Molecular Nutrition and Food Research</i> , 2008 , 52, 250-7	5.9	19
47	Neurobehavioral function and low-level metal exposure in adolescents. <i>International Journal of Hygiene and Environmental Health</i> , 2015 , 218, 139-46	6.9	18
46	The influence of dairy consumption and physical activity on ultrasound bone measurements in Flemish children. <i>Journal of Bone and Mineral Metabolism</i> , 2015 , 33, 192-200	2.9	18
45	Prenatal and postnatal exposure to persistent organic pollutants and attention-deficit and hyperactivity disorder: a pooled analysis of seven European birth cohort studies. <i>International Journal of Epidemiology</i> , 2018 , 47, 1082-1097	7.8	18
44	Consumption of plant sterols in Belgium: estimated intakes and sources of naturally occurring plant sterols and β -carotene. <i>British Journal of Nutrition</i> , 2011 , 105, 960-6	3.6	18
43	Dietary Carbohydrate and Nocturnal Sleep Duration in Relation to Children's BMI: Findings from the IDEFICS Study in Eight European Countries. <i>Nutrients</i> , 2015 , 7, 10223-36	6.7	17
42	Social inequality in adolescents' healthy food intake: the interplay between economic, social and cultural capital. <i>European Journal of Public Health</i> , 2017 , 27, 279-286	2.1	17
41	TDS exposure project: application of the analytic hierarchy process for the prioritization of substances to be analyzed in a total diet study. <i>Food and Chemical Toxicology</i> , 2015 , 76, 46-53	4.7	15
40	A semi-probabilistic modelling approach for the estimation of dietary exposure to phthalates in the Belgian adult population. <i>Environment International</i> , 2014 , 73, 117-27	12.9	15
39	Caramel colour and process by-products in foods and beverages: Part I - Development of a UPLC-MS/MS isotope dilution method for determination of 2-acetyl-4-(1,2,3,4-tetrahydroxybutyl)imidazole (THI), 4-methylimidazole (4-MEI) and 2-methylimidazole (2-MEI). <i>Food Chemistry</i> , 2018 , 255, 218-254	8.5	14
38	Consumption of plant sterols in Belgium: consumption patterns of plant sterol-enriched foods in Flanders, Belgium. <i>British Journal of Nutrition</i> , 2011 , 105, 911-8	3.6	14
37	Palatable food consumption in children: interplay between (food) reward motivation and the home food environment. <i>European Journal of Pediatrics</i> , 2017 , 176, 465-474	4.1	13
36	Parental and children's report of emotional problems: agreement, explanatory factors and event-emotion correlation. <i>Child and Adolescent Mental Health</i> , 2013 , 18, 180-186	2.2	13
35	Evaluation of the exposure methodology for risk-benefit assessment of seafood consumption. <i>Chemosphere</i> , 2008 , 73, 1582-8	8.4	13
34	Integrated risk index for seafood contaminants (IRISC): Pilot study in five European countries. <i>Environmental Research</i> , 2015 , 143, 109-15	7.9	12
33	Dietary intake and food sources of total and individual polyunsaturated fatty acids in the Belgian population over 15 years old. <i>Lipids</i> , 2013 , 48, 729-38	1.6	12

32	Long-term dietary exposure to lead in young European children: comparing a pan-European approach with a national exposure assessment. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012 , 29, 1701-15	3.2	12
31	Metabolic targets of endocrine disrupting chemicals assessed by cord blood transcriptome profiling. <i>Reproductive Toxicology</i> , 2016 , 65, 307-320	3.4	12
30	Association between bone stiffness and nutritional biomarkers combined with weight-bearing exercise, physical activity, and sedentary time in preadolescent children. A case-control study. <i>Bone</i> , 2015 , 78, 142-9	4.7	11
29	Relationship between markers of body fat and calcaneal bone stiffness differs between preschool and primary school children: results from the IDEFICS baseline survey. <i>Calcified Tissue International</i> , 2012 , 91, 276-85	3.9	11
28	Caramel colour and process contaminants in foods and beverages: Part II - Occurrence data and exposure assessment of 2-acetyl-4-(1,2,3,4-tetrahydroxybutyl)imidazole (THI) and 4-methylimidazole (4-MEI) in Belgium. <i>Food Chemistry</i> , 2018 , 255, 372-379	8.5	10
27	Consumer response to health and environmental sustainability information regarding seafood consumption. <i>Environmental Research</i> , 2018 , 161, 492-504	7.9	10
26	Urinary t,t-muconic acid as a proxy-biomarker of car exhaust and neurobehavioral performance in 15-year olds. <i>Environmental Research</i> , 2016 , 151, 521-527	7.9	9
25	Early-life exposure to multiple persistent organic pollutants and metals and birth weight: Pooled analysis in four Flemish birth cohorts. <i>Environment International</i> , 2020 , 145, 106149	12.9	9
24	Dietary calcium intake and adiposity in children and adolescents: Cross-sectional and longitudinal results from IDEFICS/I.Family cohort. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019 , 29, 440-449	4.5	8
23	The relationship between paediatric calcaneal quantitative ultrasound measurements and dual energy X-ray absorptiometry (DXA) and DXA with laser (DXL) as well as body composition. <i>International Journal of Obesity</i> , 2011 , 35 Suppl 1, S125-30	5.5	8
22	Understanding the links among neuromedin U gene, beta2-adrenoceptor gene and bone health: an observational study in European children. <i>PLoS ONE</i> , 2013 , 8, e70632	3.7	8
21	Different osteocalcin forms, markers of metabolic syndrome and anthropometric measures in children within the IDEFICS cohort. <i>Bone</i> , 2016 , 84, 230-236	4.7	8
20	Whole-blood fatty acids and inflammation in European children: the IDEFICS Study. <i>European Journal of Clinical Nutrition</i> , 2016 , 70, 819-23	5.2	7
19	Validity of parentally reported versus measured weight, length and waist in 7- to 9-year-old children for use in follow-up studies. <i>European Journal of Pediatrics</i> , 2014 , 173, 921-8	4.1	7
18	Modelling the environmental transfer of phthalates and polychlorinated dibenzo-p-dioxins and dibenzofurans into agricultural products: the EN-forc model. <i>Environmental Research</i> , 2014 , 133, 282-93	7.9	7
17	Influence of birth weight on calcaneal bone stiffness in Belgian preadolescent children. <i>Calcified Tissue International</i> , 2012 , 91, 267-75	3.9	7
16	Harmonisation of food categorisation systems for dietary exposure assessments among European children. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010 , 27, 1639-51	3.2	6
15	Development of vegetable composition databases based on available data for probabilistic nutrient and contaminant intake assessments. <i>Food Chemistry</i> , 2009 , 113, 799-803	8.5	6

14	Exposure assessment within a Total Diet Study: a comparison of the use of the pan-European classification system FoodEx-1 with national food classification systems. <i>Food and Chemical Toxicology</i> , 2015 , 78, 221-9	4.7	5
13	Fat and lean tissue accretion in relation to reward motivation in children. <i>Appetite</i> , 2017 , 108, 317-325	4.5	4
12	Body fat evolution as predictor of retinal microvasculature in children. <i>International Journal of Obesity</i> , 2017 , 41, 527-532	5.5	4
11	Longitudinal association between psychosocial stress and retinal microvasculature in children and adolescents. <i>Psychoneuroendocrinology</i> , 2018 , 92, 50-56	5	4
10	Evaluation of benefits and risks related to seafood consumption. <i>Verhandelingen - Koninklijke Academie Voor Geneeskunde Van België</i> , 2007 , 69, 249-89		4
9	BIS/BAS Scale in Primary School Children: Parent-Child Agreement and Longitudinal Stability. <i>Behaviour Change</i> , 2017 , 34, 98-116	1.1	3
8	Long-term dietary exposure to selenium in young children living in different European countries. <i>EFSA Supporting Publications</i> , 2010 , 7,	1.1	3
7	Children's cortisol and externalizing stress symptoms are predictors of adiponectin evolution over two years. <i>Biological Psychology</i> , 2018 , 131, 89-95	3.2	2
6	Urinary Mineral Concentrations in European Pre-Adolescent Children and Their Association with Calcaneal Bone Quantitative Ultrasound Measurements. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	2
5	Associations of leptin, insulin and lipids with retinal microvasculature in children and adolescents. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018 , 31, 143-150	1.6	1
4	Fortified Margarine and Fat Spreads 2013 , 159-171		1
3	Hand-to-foot bioelectrical impedance analysis to measure fat mass in healthy children: A comparison with air-displacement plethysmography. <i>Nutrition and Dietetics</i> , 2017 , 74, 516-520	2.5	0
2	Nutritional-toxicological Dilemma on Fish Consumption 2010 , 305-320		
1	Nutritional-toxicological conflict of fish consumption: a tool for combined intake assessment. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2006 , 71, 263-6		