Isabelle Sioen

List of Publications by Year in descending order

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ISARELLE SIDEN

#	Article	lF	CITATIONS
1	Analysis of phthalates in food products and packaging materials sold on the Belgian market. Food and Chemical Toxicology, 2012, 50, 2575-2583.	1.8	294
2	Consumer perception versus scientific evidence about health benefits and safety risks from fish consumption. Public Health Nutrition, 2005, 8, 422-429.	1.1	198
3	Human biomonitoring of multiple mycotoxins in the Belgian population: Results of the BIOMYCO study. Environment International, 2015, 84, 82-89.	4.8	168
4	Consumer perception versus scientific evidence of farmed and wild fish: exploratory insights from Belgium. Aquaculture International, 2007, 15, 121-136.	1.1	147
5	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. Annals of Nutrition and Metabolism, 2017, 70, 39-50.	1.0	108
6	Perceived Importance of Sustainability and Ethics Related to Fish: A Consumer Behavior Perspective. Ambio, 2007, 36, 580-585.	2.8	106
7	Occurrence of halogenated flame retardants in commercial seafood species available in European markets. Food and Chemical Toxicology, 2017, 104, 35-47.	1.8	101
8	Percentile reference values for anthropometric body composition indices in European children from the IDEFICS study. International Journal of Obesity, 2014, 38, S15-S25.	1.6	100
9	Dietary exposure assessments for children in europe (the EXPOCHI project): rationale, methods and design. Archives of Public Health, 2011, 69, 4.	1.0	95
10	Concept of the Flemish human biomonitoring programme. International Journal of Hygiene and Environmental Health, 2012, 215, 102-108.	2.1	95
11	Combined Effects of Prenatal Exposures to Environmental Chemicals on Birth Weight. International Journal of Environmental Research and Public Health, 2016, 13, 495.	1.2	95
12	Levels of Physical Activity That Predict Optimal Bone Mass in Adolescents. American Journal of Preventive Medicine, 2011, 40, 599-607.	1.6	93
13	Prenatal exposure to environmental contaminants and behavioural problems at age 7–8 years. Environment International, 2013, 59, 225-231.	4.8	93
14	UV-filters and musk fragrances in seafood commercialized in Europe Union: Occurrence, risk and exposure assessment. Environmental Research, 2018, 161, 399-408.	3.7	90
15	Effects of pan-frying in margarine and olive oil on the fatty acid composition of cod and salmon. Food Chemistry, 2006, 98, 609-617.	4.2	88
16	Three cycles of human biomonitoring in Flanders â^' Time trends observed in the Flemish Environment and Health Study. International Journal of Hygiene and Environmental Health, 2017, 220, 36-45.	2.1	83
17	Phthalates dietary exposure and food sources for Belgian preschool children and adults. Environment International, 2012, 48, 102-108.	4.8	81
18	Multimycotoxin analysis in urines to assess infant exposure: A case study in Cameroon. Environment International, 2013, 57-58, 50-59.	4.8	78

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19	Associations Between Body Composition and Bone Health in Children and Adolescents: A Systematic Review. Calcified Tissue International, 2016, 99, 557-577.	1.5	78
20	Communicating Risks and Benefits from Fish Consumption: Impact on Belgian Consumers' Perception and Intention to Eat Fish. Risk Analysis, 2008, 28, 951-967.	1.5	73
21	Phthalate-induced oxidative stress and association with asthma-related airway inflammation in adolescents. International Journal of Hygiene and Environmental Health, 2017, 220, 468-477.	2.1	70
22	Comparison of the nutritional–toxicological conflict related to seafood consumption in different regions worldwide. Regulatory Toxicology and Pharmacology, 2009, 55, 219-228.	1.3	67
23	Probabilistic intake assessment of multiple compounds as a tool to quantify the nutritional-toxicological conflict related to seafood consumption. Chemosphere, 2008, 71, 1056-1066.	4.2	66
24	Prenatal exposure to environmental contaminants and body composition at age 7–9 years. Environmental Research, 2014, 132, 24-32.	3.7	61
25	Trace metals in blood and urine of newborn/mother pairs, adolescents and adults of the Flemish population (2007–2011). International Journal of Hygiene and Environmental Health, 2014, 217, 878-890.	2.1	60
26	A literatureâ€based comparison of nutrient and contaminant contents between organic and conventional vegetables and potatoes. British Food Journal, 2009, 111, 1078-1097.	1.6	58
27	Residential landscape as a predictor of psychosocial stress in the life course from childhood to adolescence. Environment International, 2018, 120, 456-463.	4.8	57
28	Consumers' health risk–benefit perception of seafood and attitude toward the marine environment: Insights from five European countries. Environmental Research, 2015, 143, 11-19.	3.7	55
29	Neurobehavioral performance in adolescents is inversely associated with traffic exposure. Environment International, 2015, 75, 136-143.	4.8	55
30	Validity of 24-h recalls in (pre-)school aged children: Comparison of proxy-reported energy intakes with measured energy expenditure. Clinical Nutrition, 2014, 33, 79-84.	2.3	53
31	Associations of reward sensitivity with food consumption, activity pattern, and BMI in children. Appetite, 2016, 100, 189-196.	1.8	51
32	Longitudinal association between child stress and lifestyle Health Psychology, 2015, 34, 40-50.	1.3	49
33	Determination of contamination pathways of phthalates in food products sold on the Belgian market. Environmental Research, 2014, 134, 345-352.	3.7	48
34	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. European Journal of Preventive Cardiology, 2015, 22, 1067-1075.	0.8	48
35	n-6 and n-3 PUFA intakes of pre-school children in Flanders, Belgium. British Journal of Nutrition, 2007, 98, 819-25.	1.2	47
36	Importance of seafood as nutrient source in the diet of Belgian adolescents. Journal of Human Nutrition and Dietetics, 2007, 20, 580-589.	1.3	47

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37	Determinants of bisphenol A and phthalate metabolites in urine of Flemish adolescents. Environmental Research, 2014, 134, 110-117.	3.7	47
38	Development of a nutrient database and distributions for use in a probabilistic risk–benefit analysis of human seafood consumption. Journal of Food Composition and Analysis, 2007, 20, 662-670.	1.9	46
39	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. International Journal of Behavioral Nutrition and Physical Activity, 2015, 12, 112.	2.0	42
40	Investigating unmetabolized polycyclic aromatic hydrocarbons in adolescents' urine as biomarkers of environmental exposure. Chemosphere, 2016, 155, 48-56.	4.2	42
41	Phthalates in Belgian cow's milk and the role of feed and other contamination pathways at farm level. Food and Chemical Toxicology, 2012, 50, 2945-2953.	1.8	41
42	Endocrine actions of pesticides measured in the Flemish environment and health studies (FLEHS I and) Tj ETQqO	0 0 rgBT / 2.7	Overlock 10 ⁻
43	Pharmaceuticals and endocrine disruptors in raw and cooked seafood from European market: Concentrations and human exposure levels. Environment International, 2018, 119, 570-581.	4.8	41
44	Associations of Dietary Calcium, Vitamin D, Milk Intakes, and 25-Hydroxyvitamin D With Bone Mass in Spanish Adolescents: The HELENA Study. Journal of Clinical Densitometry, 2013, 16, 110-117.	0.5	40
45	The IDEFICS validation study on field methods for assessing physical activity and body composition in children: design and data collection. International Journal of Obesity, 2011, 35, S79-S87.	1.6	39
46	Children's Body composition and Stress – the ChiBS study: aims, design, methods, population and participation characteristics. Archives of Public Health, 2012, 70, 17.	1.0	38
47	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. Public Health Nutrition, 2012, 15, 1093-1099.	1.1	37
48	Vitamin D status and physical activity interact to improve bone mass in adolescents. The HELENA Study. Osteoporosis International, 2012, 23, 2227-2237.	1.3	35
49	Monitoring chlorinated persistent organic pollutants in adolescents in Flanders (Belgium): Concentrations, trends and dose–effect relationships (FLEHS II). Environment International, 2014, 71, 20-28.	4.8	35
50	Environmental exposure to human carcinogens in teenagers and the association with DNA damage. Environmental Research, 2017, 152, 165-174.	3.7	35
51	Occurrence of cyclic imines in European commercial seafood and consumers risk assessment. Environmental Research, 2018, 161, 392-398.	3.7	35
52	Effect of pan-frying in different culinary fats on the fatty acid profile of pork. Food Chemistry, 2007, 102, 857-864.	4.2	34
53	Fish consumption is a safe solution to increase the intake of long-chain <i>n</i> -3 fatty acids. Public Health Nutrition, 2008, 11, 1107-1116.	1.1	34
54	Consuming organic versus conventional vegetables: The effect on nutrient and contaminant intakes. Food and Chemical Toxicology, 2010, 48, 3058-3066.	1.8	33

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55	Risk assessment of methylmercury in five European countries considering the national seafood consumption patterns. Food and Chemical Toxicology, 2017, 104, 26-34.	1.8	32
56	Dietary sources and sociodemographic and economic factors affecting vitamin D and calcium intakes in Flemish preschoolers. European Journal of Clinical Nutrition, 2011, 65, 1039-1047.	1.3	31
57	Expression of the sFLT1 Gene in Cord Blood Cells Is Associated to Maternal Arsenic Exposure and Decreased Birth Weight. PLoS ONE, 2014, 9, e92677.	1.1	31
58	Children's sleep quality: relation with sleep duration and adiposity. Public Health, 2014, 128, 488-490.	1.4	29
59	Internal exposure to organochlorine pollutants and cadmium and self-reported health status: A prospective study. International Journal of Hygiene and Environmental Health, 2015, 218, 232-245.	2.1	28
60	Marine environmental contamination: public awareness, concern and perceived effectiveness in five European countries. Environmental Research, 2015, 143, 4-10.	3.7	28
61	Cross-Lagged Associations Between Children's Stress and Adiposity. Psychosomatic Medicine, 2015, 77, 50-58.	1.3	27
62	Neurobehavioral function and low-level metal exposure in adolescents. International Journal of Hygiene and Environmental Health, 2015, 218, 139-146.	2.1	27
63	Prenatal and postnatal exposure to persistent organic pollutants and attention-deficit and hyperactivity disorder: a pooled analysis of seven European birth cohort studies. International Journal of Epidemiology, 2018, 47, 1082-1097.	0.9	27
64	Longâ€ŧerm dietary exposure to different food colours in young children living in different European countries. EFSA Supporting Publications, 2010, 7, 53E.	0.3	26
65	Reference values of bone stiffness index and C-terminal telopeptide in healthy European children. International Journal of Obesity, 2014, 38, S76-S85.	1.6	26
66	How to Use Secondary Data on Seafood Contamination for Probabilistic Exposure Assessment Purposes? Main Problems and Potential Solutions. Human and Ecological Risk Assessment (HERA), 2007, 13, 632-657.	1.7	25
67	Effect of ALAâ€Enriched Food Supply on Cardiovascular Risk Factors in Males. Lipids, 2009, 44, 603-611.	0.7	25
68	C-reactive protein reference percentiles among pre-adolescent children in Europe based on the IDEFICS study population. International Journal of Obesity, 2014, 38, S26-S31.	1.6	25
69	Health effects in the Flemish population in relation to low levels of mercury exposure: From organ to transcriptome level. International Journal of Hygiene and Environmental Health, 2014, 217, 239-247.	2.1	25
70	TDS exposure project: Relevance of the Total Diet Study approach for different groups of substances. Food and Chemical Toxicology, 2014, 73, 21-34.	1.8	25
71	Dietary Carbohydrate and Nocturnal Sleep Duration in Relation to Children's BMI: Findings from the IDEFICS Study in Eight European Countries. Nutrients, 2015, 7, 10223-10236.	1.7	24
72	The influence of dairy consumption, sedentary behaviour and physical activity on bone mass in Flemish children: a cross-sectional study. BMC Public Health, 2015, 15, 717.	1.2	23

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73	Children's psychosocial stress and emotional eating: A role for leptin?. International Journal of Eating Disorders, 2017, 50, 471-480.	2.1	23
74	Socioeconomic Status and Bone Mass in Spanish Adolescents. The HELENA Study. Journal of Adolescent Health, 2012, 50, 484-490.	1.2	22
75	Assessment of mycotoxin exposure in the Belgian population using biomarkers: aim, design and methods of the BIOMYCO study. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 924-931.	1.1	22
76	Social inequality in adolescents' healthy food intake: the interplay between economic, social and cultural capital. European Journal of Public Health, 2016, 27, ckw236.	0.1	22
77	Consumption of plant sterols in Belgium: estimated intakes and sources of naturally occurring plant sterols and β-carotene. British Journal of Nutrition, 2011, 105, 960-966.	1.2	21
78	The influence of dairy consumption and physical activity on ultrasound bone measurements in Flemish children. Journal of Bone and Mineral Metabolism, 2015, 33, 192-200.	1.3	21
79	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. Food Chemistry, 2018, 255, 372-379.	4.2	21
80	Probabilistic intake assessment of polybrominated diphenyl ethers and omegaâ€3 fatty acids through fish consumption. Molecular Nutrition and Food Research, 2008, 52, 250-257.	1.5	20
81	The Influence of nâ€3 PUFA Supplements and nâ€3 PUFA Enriched Foods on the nâ€3 LC PUFA Intake of Flemish Women. Lipids, 2010, 45, 313-320.	0.7	20
82	A semi-probabilistic modelling approach for the estimation of dietary exposure to phthalates in the Belgian adult population. Environment International, 2014, 73, 117-127.	4.8	20
83	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-methylimidazol (2-MEI) Food Chemistry 2018 255 348-356	4.2	20
84	Early-life exposure to multiple persistent organic pollutants and metals and birth weight: Pooled analysis in four Flemish birth cohorts. Environment International, 2020, 145, 106149.	4.8	20
85	Consumption of plant sterols in Belgium: consumption patterns of plant sterol-enriched foods in Flanders, Belgium. British Journal of Nutrition, 2011, 105, 911-918.	1.2	17
86	TDS exposure project: Application of the analytic hierarchy process for the prioritization of substances to be analyzed in a total diet study. Food and Chemical Toxicology, 2015, 76, 46-53.	1.8	17
87	Consumer response to health and environmental sustainability information regarding seafood consumption. Environmental Research, 2018, 161, 492-504.	3.7	17
88	Dietary calcium intake and adiposity in children and adolescents: Cross-sectional and longitudinal results from IDEFICS/I.Family cohort. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 440-449.	1.1	17
89	Palatable food consumption in children: interplay between (food) reward motivation and the home food environment. European Journal of Pediatrics, 2017, 176, 465-474.	1.3	16
90	Parental and children's report of emotional problems: agreement, explanatory factors and eventâ€emotion correlation. Child and Adolescent Mental Health, 2013, 18, 180-186.	1.8	15

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91	Metabolic targets of endocrine disrupting chemicals assessed by cord blood transcriptome profiling. Reproductive Toxicology, 2016, 65, 307-320.	1.3	15
92	Long-term dietary exposure to lead in young European children: comparing a pan-European approach with a national exposure assessment. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1701-1715.	1.1	14
93	Dietary Intake and Food Sources of Total and Individual Polyunsaturated Fatty Acids in the Belgian Population Over 15 Years Old. Lipids, 2013, 48, 729-738.	0.7	14
94	Integrated risk index for seafood contaminants (IRISC): Pilot study in five European countries. Environmental Research, 2015, 143, 109-115.	3.7	14
95	Evaluation of the exposure methodology for risk-benefit assessment of seafood consumption. Chemosphere, 2008, 73, 1582-1588.	4.2	13
96	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. International Journal of Obesity, 2011, 35, S125-S130.	1.6	13
97	Validity of parentally reported versus measured weight, length and waist in 7- to 9-year-old children for use in follow-up studies. European Journal of Pediatrics, 2014, 173, 921-928.	1.3	13
98	Association between bone stiffness and nutritional biomarkers combined with weight-bearing exercise, physical activity, and sedentary time in preadolescent children. A case–control study. Bone, 2015, 78, 142-149.	1.4	13
99	Relationship Between Markers of Body Fat and Calcaneal Bone Stiffness Differs Between Preschool and Primary School Children: Results from the IDEFICS Baseline Survey. Calcified Tissue International, 2012, 91, 276-285.	1.5	12
100	Different osteocalcin forms, markers of metabolic syndrome and anthropometric measures in children within the IDEFICS cohort. Bone, 2016, 84, 230-236.	1.4	12
101	Modelling the environmental transfer of phthalates and polychlorinated dibenzo-p-dioxins and dibenzofurans into agricultural products: The EN-forc model. Environmental Research, 2014, 133, 282-293.	3.7	11
102	Urinary t,t -muconic acid as a proxy-biomarker of car exhaust and neurobehavioral performance in 15-year olds. Environmental Research, 2016, 151, 521-527.	3.7	11
103	Whole-blood fatty acids and inflammation in European children: the IDEFICS Study. European Journal of Clinical Nutrition, 2016, 70, 819-823.	1.3	11
104	Longitudinal association between psychosocial stress and retinal microvasculature in children and adolescents. Psychoneuroendocrinology, 2018, 92, 50-56.	1.3	10
105	Understanding the Links among neuromedin U Gene, beta2-adrenoceptor Gene and Bone Health: An Observational Study in European Children. PLoS ONE, 2013, 8, e70632.	1.1	10
106	Influence of Birth Weight on Calcaneal Bone Stiffness in Belgian Preadolescent Children. Calcified Tissue International, 2012, 91, 267-275.	1.5	8
107	Development of vegetable composition databases based on available data for probabilistic nutrient and contaminant intake assessments. Food Chemistry, 2009, 113, 799-803.	4.2	7
108	Harmonisation of food categorisation systems for dietary exposure assessments among European children. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2010, 27, 1639-1651.	1.1	6

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109	Fat and lean tissue accretion in relation to reward motivation in children. Appetite, 2017, 108, 317-325.	1.8	6
110	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. Food and Chemical Toxicology, 2015, 78, 221-229.	1.8	5
111	Body fat evolution as predictor of retinal microvasculature in children. International Journal of Obesity, 2017, 41, 527-532.	1.6	4
112	BIS/BAS Scale in Primary School Children: Parent-Child Agreement and Longitudinal Stability. Behaviour Change, 2017, 34, 98-116.	0.6	4
113	Children's cortisol and externalizing stress symptoms are predictors of adiponectin evolution over two years. Biological Psychology, 2018, 131, 89-95.	1.1	4
114	Evaluation of benefits and risks related to seafood consumption. Verhandelingen - Koninklijke Academie Voor Geneeskunde Van België, 2007, 69, 249-89.	0.2	4
115	Longâ€ŧerm dietary exposure to selenium in young children living in different European countries. EFSA Supporting Publications, 2010, 7, .	0.3	3
116	Urinary Mineral Concentrations in European Pre-Adolescent Children and Their Association with Calcaneal Bone Quantitative Ultrasound Measurements. International Journal of Environmental Research and Public Health, 2016, 13, 471.	1.2	3
117	Handâ€toâ€foot bioelectrical impedance analysis to measure fat mass in healthy children: A comparison with airâ€displacement plethysmography. Nutrition and Dietetics, 2017, 74, 516-520.	0.9	3
118	Associations of leptin, insulin and lipids with retinal microvasculature in children and adolescents. Journal of Pediatric Endocrinology and Metabolism, 2018, 31, 143-150.	0.4	2
119	Fortified Margarine and Fat Spreads. , 2013, , 159-171.		1
120	Nutrition–Toxicological Dilemma on Fish Consumption. , 2010, , 305-320.		0
121	Nutritional-toxicological conflict of fish consumption: a tool for combined intake assessment. Communications in Agricultural and Applied Biological Sciences, 2006, 71, 263-6.	0.0	0