

Suvi M Virtanen

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.

124
papers

6,235
citations

34
h-index

78
g-index

133
ext. papers

7,670
ext. citations

7.6
avg, IF

5.32
L-index

#	Paper	IF	Citations
124	Intake of vitamin D and risk of type 1 diabetes: a birth-cohort study. <i>Lancet, The</i> , 2001 , 358, 1500-3	40	1394
123	The dynamics of the human infant gut microbiome in development and in progression toward type 1 diabetes. <i>Cell Host and Microbe</i> , 2015 , 17, 260-73	23.4	639
122	Variation in Microbiome LPS Immunogenicity Contributes to Autoimmunity in Humans. <i>Cell</i> , 2016 , 165, 842-53	56.2	584
121	Dietary intervention in infancy and later signs of beta-cell autoimmunity. <i>New England Journal of Medicine</i> , 2010 , 363, 1900-8	59.2	215
120	Strain-Level Analysis of Mother-to-Child Bacterial Transmission during the First Few Months of Life. <i>Cell Host and Microbe</i> , 2018 , 24, 146-154.e4	23.4	189
119	Association of Early Exposure of Probiotics and Islet Autoimmunity in the TEDDY Study. <i>JAMA Pediatrics</i> , 2016 , 170, 20-8	8.3	175
118	Validity and reproducibility of a food frequency questionnaire for pregnant Finnish women. <i>American Journal of Epidemiology</i> , 2001 , 154, 466-76	3.8	170
117	Coxsackievirus B1 is associated with induction of β cell autoimmunity that portends type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 446-55	0.9	168
116	Nutritional risk predictors of beta cell autoimmunity and type 1 diabetes at a young age. <i>American Journal of Clinical Nutrition</i> , 2003 , 78, 1053-67	7	147
115	Cohort Profile: The National FINRISK Study. <i>International Journal of Epidemiology</i> , 2018 , 47, 696-696i	7.8	115
114	Hydrolyzed infant formula and early β cell autoimmunity: a randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 2279-87	27.4	114
113	Infant feeding and the risk of type 1 diabetes. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 1506S-1513S	13.5	106
112	Timing of infant feeding in relation to childhood asthma and allergic diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 78-86	11.5	98
111	Food consumption and nutrient intake in Finnish 1-6-year-old children. <i>Public Health Nutrition</i> , 2010 , 13, 947-56	3.3	97
110	Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life. <i>Nature Microbiology</i> , 2019 , 4, 470-479	26.6	97
109	Age at gluten introduction and risk of celiac disease. <i>Pediatrics</i> , 2015 , 135, 239-45	7.4	91
108	Food consumption and advanced β cell autoimmunity in young children with HLA-conferred susceptibility to type 1 diabetes: a nested case-control design. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 471-8	7	78

107	Removal of Bovine Insulin From Cow's Milk Formula and Early Initiation of Beta-Cell Autoimmunity in the FINDIA Pilot Study. <i>JAMA Pediatrics</i> , 2012 , 166, 608-14		74
106	Effect of Hydrolyzed Infant Formula vs Conventional Formula on Risk of Type 1 Diabetes: The TRIGR Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 319, 38-48	27.4	73
105	Food diversity in infancy and the risk of childhood asthma and allergies. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1084-91	11.5	72
104	Effects of Gluten Intake on Risk of Celiac Disease: A Case-Control Study on a Swedish Birth Cohort. <i>Clinical Gastroenterology and Hepatology</i> , 2016 , 14, 403-409.e3	6.9	69
103	Dietary intake and use of dietary supplements in relation to demographic variables among pregnant Finnish women. <i>British Journal of Nutrition</i> , 2006 , 96, 913-20	3.6	68
102	Enhanced levels of cow's milk antibodies in infancy in children who develop type 1 diabetes later in childhood. <i>Pediatric Diabetes</i> , 2008 , 9, 434-41	3.6	59
101	Missing values in longitudinal dietary data: a multiple imputation approach based on a fully conditional specification. <i>Statistics in Medicine</i> , 2009 , 28, 3657-69	2.3	57
100	Early introduction of oats associated with decreased risk of persistent asthma and early introduction of fish with decreased risk of allergic rhinitis. <i>British Journal of Nutrition</i> , 2010 , 103, 266-73	3.6	55
99	Association of Gluten Intake During the First 5 Years of Life With Incidence of Celiac Disease Autoimmunity and Celiac Disease Among Children at Increased Risk. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 514-523	27.4	54
98	Plasma 25-Hydroxyvitamin D Concentration and Risk of Islet Autoimmunity. <i>Diabetes</i> , 2018 , 67, 146-154	0.9	50
97	Does the secular increase in body mass in children contribute to the increasing incidence of type 1 diabetes?. <i>Pediatric Diabetes</i> , 2008 , 9, 46-9	3.6	48
96	Diet composition of pregnant Finnish women: changes over time and across seasons. <i>Public Health Nutrition</i> , 2010 , 13, 939-46	3.3	46
95	Dietary factors in the development of type 1 diabetes. <i>Pediatric Diabetes</i> , 2016 , 17 Suppl 22, 49-55	3.6	45
94	Predicting Islet Cell Autoimmunity and Type 1 Diabetes: An 8-Year TEDDY Study Progress Report. <i>Diabetes Care</i> , 2019 , 42, 1051-1060	14.6	43
93	Breastfeeding patterns of mothers with type 1 diabetes: results from an infant feeding trial. <i>Diabetes/Metabolism Research and Reviews</i> , 2010 , 26, 206-11	7.5	41
92	Successful nutrition policy: improvement of vitamin D intake and status in Finnish adults over the last decade. <i>European Journal of Public Health</i> , 2017 , 27, 268-273	2.1	36
91	Fatty acid status in infancy is associated with the risk of type 1 diabetes-associated autoimmunity. <i>Diabetologia</i> , 2017 , 60, 1223-1233	10.3	35
90	First Infant Formula Type and Risk of Islet Autoimmunity in The Environmental Determinants of Diabetes in the Young (TEDDY) Study. <i>Diabetes Care</i> , 2017 , 40, 398-404	14.6	28

89	Microbial exposure in infancy and subsequent appearance of type 1 diabetes mellitus-associated autoantibodies: a cohort study. <i>JAMA Pediatrics</i> , 2014 , 168, 755-63	8.3	27
88	Food composition database harmonization for between-country comparisons of nutrient data in the TEDDY Study. <i>Journal of Food Composition and Analysis</i> , 2011 , 24, 494-505	4.1	27
87	Nutrient intake variability and number of days needed to assess intake in preschool children. <i>British Journal of Nutrition</i> , 2011 , 106, 130-40	3.6	26
86	In vitro toxicity of cereulide on porcine pancreatic Langerhans islets. <i>Toxicon</i> , 2008 , 51, 1029-37	2.8	26
85	Effects of dietary counselling on food habits and dietary intake of Finnish pregnant women at increased risk for gestational diabetes - a secondary analysis of a cluster-randomized controlled trial. <i>Maternal and Child Nutrition</i> , 2014 , 10, 184-97	3.4	23
84	Maternal asthma is associated with increased risk of perinatal mortality. <i>PLoS ONE</i> , 2018 , 13, e0197593	3.7	23
83	Association of Cereal, Gluten, and Dietary Fiber Intake With Islet Autoimmunity and Type 1 Diabetes. <i>JAMA Pediatrics</i> , 2019 , 173, 953-960	8.3	22
82	Eliminating cows milk, but not wheat, barley or rye, increases the risk of growth deceleration and nutritional inadequacies. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017 , 106, 1142-1149	3.1	20
81	Age at first introduction to complementary foods is associated with sociodemographic factors in children with increased genetic risk of developing type 1 diabetes. <i>Maternal and Child Nutrition</i> , 2015 , 11, 803-14	3.4	20
80	Infant feeding patterns in families with a diabetes history - observations from The Environmental Determinants of Diabetes in the Young (TEDDY) birth cohort study. <i>Public Health Nutrition</i> , 2014 , 17, 2853-62	3.3	20
79	Exploring the risk factors for differences in the cumulative incidence of coeliac disease in two neighboring countries: the prospective DIABIMMUNE study. <i>Digestive and Liver Disease</i> , 2016 , 48, 1296-1301	3.3	19
78	Metabolite-related dietary patterns and the development of islet autoimmunity. <i>Scientific Reports</i> , 2019 , 9, 14819	4.9	19
77	Intake of antioxidant vitamins and trace elements during pregnancy and risk of advanced beta cell autoimmunity in the child. <i>American Journal of Clinical Nutrition</i> , 2008 , 88, 458-64	7	19
76	Infant Feeding in Relation to the Risk of Advanced Islet Autoimmunity and Type 1 Diabetes in Children With Increased Genetic Susceptibility: A Cohort Study. <i>American Journal of Epidemiology</i> , 2018 , 187, 34-44	3.8	19
75	Prevalence of protein intake below recommended in community-dwelling older adults: a meta-analysis across cohorts from the PROMISS consortium. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020 , 11, 1212-1222	10.3	18
74	The association between asthma and type 1 diabetes: a paediatric case-cohort study in Finland, years 1981-2009. <i>International Journal of Epidemiology</i> , 2018 , 47, 409-416	7.8	17
73	Dietary intake of soluble fiber and risk of islet autoimmunity by 5 y of age: results from the TEDDY study. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 345-52	7	16
72	Infant Feeding and Timing of Complementary Foods in the Development of Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2015 , 15, 62	5.6	15

71	Prenatal exposure to perfluoroalkyl substances modulates neonatal serum phospholipids, increasing risk of type 1 diabetes. <i>Environment International</i> , 2020 , 143, 105935	12.9	15
70	Estimated intake levels for Finnish children of methylmercury from fish. <i>Food and Chemical Toxicology</i> , 2013 , 54, 70-7	4.7	15
69	Avoidance of Cow's Milk-Based Formula for At-Risk Infants Does Not Reduce Development of Celiac Disease: A Randomized Controlled Trial. <i>Gastroenterology</i> , 2017 , 153, 961-970.e3	13.3	15
68	Persistent Alterations in Plasma Lipid Profiles Before Introduction of Gluten in the Diet Associated With Progression to Celiac Disease. <i>Clinical and Translational Gastroenterology</i> , 2019 , 10, 1-10	4.2	15
67	Maternal dietary fatty acid intake during pregnancy and the risk of preclinical and clinical type 1 diabetes in the offspring. <i>British Journal of Nutrition</i> , 2014 , 111, 895-903	3.6	14
66	Long-term daily intake estimates of polychlorinated dibenzo-p-dioxins and furans, polychlorinated biphenyls and polybrominated diphenylethers from food in Finnish children: risk assessment implications. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012 , 29, 1475-83	3.2	14
65	Serum 25-hydroxyvitamin D concentration in childhood and risk of islet autoimmunity and type 1 diabetes: the TRIGR nested case-control ancillary study. <i>Diabetologia</i> , 2020 , 63, 780-787	10.3	14
64	Associations of Maternal Diabetes During Pregnancy with Overweight in Offspring: Results from the Prospective TEDDY Study. <i>Obesity</i> , 2018 , 26, 1457-1466	8	14
63	Distinct Growth Phases in Early Life Associated With the Risk of Type 1 Diabetes: The TEDDY Study. <i>Diabetes Care</i> , 2020 , 43, 556-562	14.6	13
62	Cow's milk allergy and the association between fatty acids and childhood asthma risk. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 488-90	11.5	13
61	Maternal dietary supplement use and development of islet autoimmunity in the offspring: TEDDY study. <i>Pediatric Diabetes</i> , 2019 , 20, 86-92	3.6	13
60	Intake of Energy and Protein is Associated with Overweight Risk at Age 5.5 Years: Results from the Prospective TEDDY Study. <i>Obesity</i> , 2017 , 25, 1435-1441	8	12
59	A call for urgent action to safeguard our planet and our health in line with the helsinki declaration. <i>Environmental Research</i> , 2021 , 193, 110600	7.9	12
58	Maternal use of dietary supplements during pregnancy is not associated with coeliac disease in the offspring: The Environmental Determinants of Diabetes in the Young (TEDDY) study. <i>British Journal of Nutrition</i> , 2017 , 117, 466-472	3.6	11
57	Food consumption and risk of childhood asthma. <i>Pediatric Allergy and Immunology</i> , 2015 , 26, 789-96	4.2	11
56	A Joint Modeling Approach for Childhood Meat, Fish and Egg Consumption and the Risk of Advanced Islet Autoimmunity. <i>Scientific Reports</i> , 2019 , 9, 7760	4.9	10
55	Factors associated with longitudinal food record compliance in a paediatric cohort study. <i>Public Health Nutrition</i> , 2016 , 19, 804-13	3.3	10
54	Gluten consumption during late pregnancy and risk of celiac disease in the offspring: the TEDDY birth cohort. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 1216-21	7	9

53	Fatty acids in serum and diet--a canonical correlation analysis among toddlers. <i>Maternal and Child Nutrition</i> , 2013 , 9, 381-95	3.4	9
52	Regional differences in milk and complementary feeding patterns in infants participating in an international nutritional type 1 diabetes prevention trial. <i>Maternal and Child Nutrition</i> , 2017 , 13,	3.4	9
51	Relative validity of a dietary interview for assessing infant diet and compliance in a dietary intervention trial. <i>Maternal and Child Nutrition</i> , 2006 , 2, 181-7	3.4	9
50	Serum alpha-tocopherol concentrations and risk of type 1 diabetes mellitus: a cohort study in siblings of affected children. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2005 , 18, 1409-16	1.6	9
49	Plasma ascorbic acid and the risk of islet autoimmunity and type 1 diabetes: the TEDDY study. <i>Diabetologia</i> , 2020 , 63, 278-286	10.3	9
48	Early exposure to cats, dogs and farm animals and the risk of childhood asthma and allergy. <i>Pediatric Allergy and Immunology</i> , 2020 , 31, 265-272	4.2	9
47	Vitamin D intake during the first 4 years and onset of asthma by age 5: A nested case-control study. <i>Pediatric Allergy and Immunology</i> , 2017 , 28, 641-648	4.2	8
46	Carotenoid Intake and Serum Concentration in Young Finnish Children and Their Relation with Fruit and Vegetable Consumption. <i>Nutrients</i> , 2018 , 10,	6.7	8
45	Serum 25-Hydroxyvitamin D Concentrations at Birth in Children Screened for HLA-DQB1 Conferred Risk for Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 2277-2285	5.6	7
44	Contrasting microbiotas between Finnish and Estonian infants: Exposure to <i>Acinetobacter</i> may contribute to the allergy gap. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 2342-2351	9.3	7
43	Early-life exposure to perfluorinated alkyl substances modulates lipid metabolism in progression to celiac disease. <i>Environmental Research</i> , 2020 , 188, 109864	7.9	7
42	The Helsinki Declaration 2020: Europe that protects. <i>Lancet Planetary Health</i> , 2020 , 4, e503-e505	9.8	7
41	Perinatal factors and the risk of type 1 diabetes in childhood and adolescence-A register-based case-cohort study in Finland, years 1987 to 2009. <i>Pediatric Diabetes</i> , 2020 , 21, 586-596	3.6	6
40	Growth and development of islet autoimmunity and type 1 diabetes in children genetically at risk. <i>Diabetologia</i> , 2021 , 64, 826-835	10.3	6
39	Early-life exposure to common virus infections did not differ between coeliac disease patients and controls. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019 , 108, 1709-1716	3.1	5
38	Milk feeding and first complementary foods during the first year of life in the TEDDY study. <i>Maternal and Child Nutrition</i> , 2018 , 14, e12611	3.4	5
37	Development of a harmonized food grouping system for between-country comparisons in the TEDDY Study. <i>Journal of Food Composition and Analysis</i> , 2017 , 63, 79-88	4.1	5
36	Perinatal outcomes after induced termination of pregnancy by methods: A nationwide register-based study of first births in Finland 1996-2013. <i>PLoS ONE</i> , 2017 , 12, e0184078	3.7	5

35	Assisted reproductive technology and risk of asthma and allergy in the offspring: protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2016 , 6, e010697	3	5
34	Exposure to per- and polyfluoroalkyl substances associates with an altered lipid composition of breast milk. <i>Environment International</i> , 2021 , 157, 106855	12.9	5
33	Association of diabetes-related autoantibodies with the incidence of asthma, eczema and allergic rhinitis in the TRIGR randomised clinical trial. <i>Diabetologia</i> , 2020 , 63, 1796-1807	10.3	4
32	Consumption of differently processed milk products in infancy and early childhood and the risk of islet autoimmunity. <i>British Journal of Nutrition</i> , 2020 , 1-8	3.6	4
31	Use of Antiasthmatic Drugs and the Risk of Type 1 Diabetes in Children: A Nationwide Case-Cohort Study. <i>American Journal of Epidemiology</i> , 2020 , 189, 779-787	3.8	4
30	Association between family history, early growth and the risk of beta cell autoimmunity in children at risk for type 1 diabetes. <i>Diabetologia</i> , 2021 , 64, 119-128	10.3	4
29	Enterovirus infection during pregnancy is inversely associated with atopic disease in the offspring. <i>Clinical and Experimental Allergy</i> , 2018 , 48, 1698-1704	4.1	4
28	Growth differences between North American and European children at risk for type 1 diabetes. <i>Pediatric Diabetes</i> , 2012 , 13, 425-31	3.6	3
27	Quantitative risk assessment on the dietary exposure of Finnish children and adults to nitrite. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016 , 33, 41-53	3.2	3
26	Enterovirus Infections Are Associated With the Development of Celiac Disease in a Birth Cohort Study. <i>Frontiers in Immunology</i> , 2020 , 11, 604529	8.4	3
25	Children's erythrocyte fatty acids are associated with the risk of islet autoimmunity. <i>Scientific Reports</i> , 2021 , 11, 3627	4.9	3
24	Dietary heavy metal exposure of Finnish children of 3 to 6 years. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018 , 35, 1305-1315	3.2	3
23	Allergenic Food Introduction and Childhood Risk of Allergic or Autoimmune Disease. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 317, 86	27.4	2
22	Maternal Nitrate and Nitrite Intakes during Pregnancy and Risk of Islet Autoimmunity and Type 1 Diabetes: The DIPP Cohort Study. <i>Journal of Nutrition</i> , 2020 , 150, 2969-2976	4.1	2
21	Serum fatty acids and risk of developing islet autoimmunity: A nested case-control study within the TRIGR birth cohort. <i>Pediatric Diabetes</i> , 2021 , 22, 577-585	3.6	2
20	The role of vitamin D in the aetiology of type 1 diabetes. Reply to Korsgren O [letter]. <i>Diabetologia</i> , 2020 , 63, 1281-1282	10.3	1
19	A novel processing-based classification and conventional food grouping to estimate milk product consumption in Finnish children. <i>International Dairy Journal</i> , 2018 , 86, 96-102	3.5	1
18	Periconception endogenous and exogenous maternal sex steroid hormones and risk of asthma and allergy in offspring: protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2017 , 7, e014637	3	1

17	Early introduction of complementary foods: is there a link with Type 1 diabetes?. <i>Diabetes Management</i> , 2013 , 3, 53-59	0	1
16	Breastfeeding and circulating immunological markers during the first 3 years of life: the DIABIMMUNE study. <i>Diabetologia</i> , 2021 , 65, 329	10.3	1
15	Dietary heavy metal exposure of Finnish 1-year-olds. <i>AIMS Agriculture and Food</i> , 2019 , 4, 778-793	1.2	1
14	Type 1 diabetes-origins and epidemiology. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 368-369	18.1	1
13	Maternal food consumption during late pregnancy and offspring risk of islet autoimmunity and type 1 diabetes. <i>Diabetologia</i> , 2021 , 64, 1604-1612	10.3	1
12	Effects of dietary counselling on micronutrient intakes in pregnant women in Finland. <i>Maternal and Child Nutrition</i> , 2021 , 17, e13203	3.4	1
11	Effect of Early Feeding on Intestinal Permeability and Inflammation Markers in Infants with Genetic Susceptibility to Type 1 Diabetes: A Randomized Clinical Trial. <i>Journal of Pediatrics</i> , 2021 , 238, 305-311.e3	3.6	1
10	Maternal antioxidant intake during pregnancy and the development of cowsTmilk allergy in the offspring. <i>British Journal of Nutrition</i> , 2021 , 125, 1386-1393	3.6	1
9	CowT milk allergy in infancy and later development of type 1 diabetes-nationwide case-cohort study. <i>Pediatric Diabetes</i> , 2021 , 22, 400-406	3.6	1
8	25(OH)D Levels in Infancy Is Associated With Celiac Disease Autoimmunity in At-Risk Children: A Case-Control Study. <i>Frontiers in Nutrition</i> , 2021 , 8, 720041	6.2	1
7	Effect of extensively hydrolyzed casein vs. conventional formula on the risk of asthma and allergies: The TRIGR randomized clinical trial. <i>Pediatric Allergy and Immunology</i> , 2021 , 32, 670-678	4.2	1
6	Determining the timing of pubertal onset via a multicohort analysis of growth. <i>PLoS ONE</i> , 2021 , 16, e0260137	0.137	0
5	Frailty modeling under a selective sampling protocol: an application to type 1 diabetes related autoantibodies. <i>Statistics in Medicine</i> , 2021 , 40, 6410-6420	2.3	0
4	Maternal energy-adjusted fatty acid intake during pregnancy and the development of cowsTmilk allergy in the offspring. <i>British Journal of Nutrition</i> , 2021 , 1-8	3.6	
3	Dietary compliance in a randomized double-blind infant feeding trial during infancy aiming at prevention of type 1 diabetes. <i>Food Science and Nutrition</i> , 2021 , 9, 4221-4231	3.2	
2	Association of different enteroviruses with atopy and allergic diseases in early childhood. <i>Pediatric Allergy and Immunology</i> , 2021 , 32, 1629-1636	4.2	
1	Thinness, overweight and obesity among 6- to 17-year-old Malaysians: secular trends and sociodemographic determinants from 2006 to 2015. <i>Public Health Nutrition</i> , 2021 , 24, 6309-6322	3.3	