

Suvi M Virtanen

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

8,788
citations

109321
35
h-index

46799
89
g-index

133
all docs

133
docs citations

133
times ranked

10685
citing authors

#	ARTICLE	IF	CITATIONS
1	Intake of vitamin D and risk of type 1 diabetes: a birth-cohort study. Lancet, The, 2001, 358, 1500-1503.	13.7	1,652
2	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. Cell Host and Microbe, 2015, 17, 260-273.	11.0	1,008
3	Variation in Microbiome LPS Immunogenicity Contributes to Autoimmunity in Humans. Cell, 2016, 165, 842-853.	28.9	968
4	Strain-Level Analysis of Mother-to-Child Bacterial Transmission during the First Few Months of Life. Cell Host and Microbe, 2018, 24, 146-154.e4.	11.0	311
5	Dietary Intervention in Infancy and Later Signs of Beta-Cell Autoimmunity. New England Journal of Medicine, 2010, 363, 1900-1908.	27.0	252
6	Association of Early Exposure of Probiotics and Islet Autoimmunity in the TEDDY Study. JAMA Pediatrics, 2016, 170, 20.	6.2	238
7	Coxsackievirus B1 Is Associated With Induction of \hat{I}^2 -Cell Autoimmunity That Portends Type 1 Diabetes. Diabetes, 2014, 63, 446-455.	0.6	228
8	Cohort Profile: The National FINRISK Study. International Journal of Epidemiology, 2018, 47, 696-696i.	1.9	214
9	Validity and Reproducibility of a Food Frequency Questionnaire for Pregnant Finnish Women. American Journal of Epidemiology, 2001, 154, 466-476.	3.4	194
10	Nutritional risk predictors of \hat{I}^2 cell autoimmunity and type 1 diabetes at a young age. American Journal of Clinical Nutrition, 2003, 78, 1053-1067.	4.7	174
11	Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life. Nature Microbiology, 2019, 4, 470-479.	13.3	164
12	Hydrolyzed Infant Formula and Early \hat{I}^2 -Cell Autoimmunity. JAMA - Journal of the American Medical Association, 2014, 311, 2279.	7.4	141
13	Infant feeding and the risk of type 1 diabetes. American Journal of Clinical Nutrition, 2010, 91, 1506S-1513S.	4.7	132
14	Timing of infant feeding in relation to childhood asthma and allergic diseases. Journal of Allergy and Clinical Immunology, 2013, 131, 78-86.	2.9	116
15	Food consumption and nutrient intake in Finnish 1â€“6-year-old children. Public Health Nutrition, 2010, 13, 947-956.	2.2	110
16	Removal of Bovine Insulin From Cow's Milk Formula and Early Initiation of Beta-Cell Autoimmunity in the FINDIA Pilot Study. JAMA Pediatrics, 2012, 166, 608.	3.0	108
17	Effect of Hydrolyzed Infant Formula vs Conventional Formula on Risk of Type 1 Diabetes. JAMA - Journal of the American Medical Association, 2018, 319, 38.	7.4	105
18	Food diversity in infancy and the risk of childhood asthma and allergies. Journal of Allergy and Clinical Immunology, 2014, 133, 1084-1091.	2.9	104

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19	Age at Gluten Introduction and Risk of Celiac Disease. <i>Pediatrics</i> , 2015, 135, 239-245.	2.1	104
20	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.	4.4	102
21	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.	7.4	95
22	Food consumption and advanced β^2 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, 471-478.	4.7	91
23	Dietary intake and use of dietary supplements in relation to demographic variables among pregnant Finnish women. <i>British Journal of Nutrition</i> , 2006, 96, 913-920.	2.3	81
24	Predicting Islet Cell Autoimmunity and Type 1 Diabetes: An 8-Year TEDDY Study Progress Report. <i>Diabetes Care</i> , 2019, 42, 1051-1060.	8.6	75
25	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, 434-441.	2.9	73
26	Plasma 25-Hydroxyvitamin D Concentration and Risk of Islet Autoimmunity. <i>Diabetes</i> , 2018, 67, 146-154.	0.6	72
27	Missing values in longitudinal dietary data: A multiple imputation approach based on a fully conditional specification. <i>Statistics in Medicine</i> , 2009, 28, 3657-3669.	1.6	71
28	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, 266-273.	2.3	61
29	Dietary factors in the development of type 1 diabetes. <i>Pediatric Diabetes</i> , 2016, 17, 49-55.	2.9	59
30	Diet composition of pregnant Finnish women: changes over time and across seasons. <i>Public Health Nutrition</i> , 2010, 13, 939-946.	2.2	58
31	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.	7.3	56
32	Does the secular increase in body mass in children contribute to the increasing incidence of type 1 diabetes?. <i>Pediatric Diabetes</i> , 2008, 9, 46-49.	2.9	53
33	Fatty acid status in infancy is associated with the risk of type 1 diabetes-associated autoimmunity. <i>Diabetologia</i> , 2017, 60, 1223-1233.	6.3	53
34	Breastfeeding patterns of mothers with type 1 diabetes: results from an infant feeding trial. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 206-211.	4.0	50
35	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, ckw154.	0.3	47
36	Association of Cereal, Gluten, and Dietary Fiber Intake With Islet Autoimmunity and Type 1 Diabetes. <i>JAMA Pediatrics</i> , 2019, 173, 953.	6.2	40

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37	Maternal asthma is associated with increased risk of perinatal mortality. PLoS ONE, 2018, 13, e0197593.	2.5	39
38	Prenatal exposure to perfluoroalkyl substances modulates neonatal serum phospholipids, increasing risk of type 1 diabetes. Environment International, 2020, 143, 105935.	10.0	38
39	Food composition database harmonization for between-country comparisons of nutrient data in the TEDDY Study. Journal of Food Composition and Analysis, 2011, 24, 494-505.	3.9	37
40	First Infant Formula Type and Risk of Islet Autoimmunity in The Environmental Determinants of Diabetes in the Young (TEDDY) Study. Diabetes Care, 2017, 40, 398-404.	8.6	35
41	Metabolite-related dietary patterns and the development of islet autoimmunity. Scientific Reports, 2019, 9, 14819.	3.3	34
42	Microbial Exposure in Infancy and Subsequent Appearance of Type 1 Diabetes Mellitus—Associated Autoantibodies. JAMA Pediatrics, 2014, 168, 755.	6.2	33
43	In vitro toxicity of cereulide on porcine pancreatic Langerhans islets. Toxicon, 2008, 51, 1029-1037.	1.6	30
44	Nutrient intake variability and number of days needed to assess intake in preschool children. British Journal of Nutrition, 2011, 106, 130-140.	2.3	30
45	Infant Feeding in Relation to the Risk of Advanced Islet Autoimmunity and Type 1 Diabetes in Children With Increased Genetic Susceptibility: A Cohort Study. American Journal of Epidemiology, 2018, 187, 34-44.	3.4	30
46	Persistent Alterations in Plasma Lipid Profiles Before Introduction of Gluten in the Diet Associated With Progression to Celiac Disease. Clinical and Translational Gastroenterology, 2019, 10, e00044.	2.5	30
47	Early exposure to cats, dogs and farm animals and the risk of childhood asthma and allergy. Pediatric Allergy and Immunology, 2020, 31, 265-272.	2.6	30
48	A call for urgent action to safeguard our planet and our health in line with the helsinki declaration. Environmental Research, 2021, 193, 110600.	7.5	30
49	Eliminating cows' milk, but not wheat, barley or rye, increases the risk of growth deceleration and nutritional inadequacies. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 1142-1149.	1.5	29
50	The association between asthma and type 1 diabetes: a paediatric case-cohort study in Finland, years 1981–2009. International Journal of Epidemiology, 2018, 47, 409-416.	1.9	28
51	Serum 25-hydroxyvitamin D concentration in childhood and risk of islet autoimmunity and type 1 diabetes: the TRIGR nested case-control ancillary study. Diabetologia, 2020, 63, 780-787.	6.3	28
52	Distinct Growth Phases in Early Life Associated With the Risk of Type 1 Diabetes: The TEDDY Study. Diabetes Care, 2020, 43, 556-562.	8.6	28
53	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. Maternal and Child Nutrition, 2014, 10, 184-197.	3.0	27
54	Exploring the risk factors for differences in the cumulative incidence of coeliac disease in two neighboring countries: the prospective DIABIMMUNE study. Digestive and Liver Disease, 2016, 48, 1296-1301.	0.9	26

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55	The Helsinki Declaration 2020: Europe that protects. <i>Lancet Planetary Health</i> , The, 2020, 4, e503-e505.	11.4	26
56	Associations of Maternal Diabetes During Pregnancy with Overweight in Offspring: Results from the Prospective TEDDY Study. <i>Obesity</i> , 2018, 26, 1457-1466.	3.0	25
57	Intake of antioxidant vitamins and trace elements during pregnancy and risk of advanced \hat{I}^2 cell autoimmunity in the child. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 458-464.	4.7	24
58	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, 2853-2862.	2.2	24
59	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, 803-814.	3.0	22
60	Estimated intake levels for Finnish children of methylmercury from fish. <i>Food and Chemical Toxicology</i> , 2013, 54, 70-77.	3.6	21
61	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.	1.3	21
62	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.	2.3	20
63	Infant Feeding and Timing of Complementary Foods in the Development of Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2015, 15, 62.	4.2	20
64	Early-life exposure to perfluorinated alkyl substances modulates lipid metabolism in progression to celiac disease. <i>Environmental Research</i> , 2020, 188, 109864.	7.5	19
65	Enterovirus Infections Are Associated With the Development of Celiac Disease in a Birth Cohort Study. <i>Frontiers in Immunology</i> , 2020, 11, 604529.	4.8	19
66	Cow's milk allergy and the association between fatty acids and childhood asthma risk. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 488-490.e2.	2.9	18
67	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, 345-352.	4.7	18
68	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.	3.0	18
69	Plasma ascorbic acid and the risk of islet autoimmunity and type 1 diabetes: the TEDDY study. <i>Diabetologia</i> , 2020, 63, 278-286.	6.3	18
70	Growth and development of islet autoimmunity and type 1 diabetes in children genetically at risk. <i>Diabetologia</i> , 2021, 64, 826-835.	6.3	18
71	Long-term daily intake estimates of polychlorinated dibenzo- <i>p</i> -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. 1475-1488.	2.3	17
72	Food consumption and risk of childhood asthma. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 789-796.	2.6	17

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73	Maternal dietary supplement use and development of islet autoimmunity in the offspring: TEDDY study. <i>Pediatric Diabetes</i> , 2019, 20, 86-92.	2.9	17
74	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.	5.7	16
75	Factors associated with longitudinal food record compliance in a paediatric cohort study. <i>Public Health Nutrition</i> , 2016, 19, 804-813.	2.2	15
76	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, .	3.0	15
77	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.	3.3	15
78	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.	2.3	14
79	Fatty acids in serum and diet – a canonical correlation analysis among toddlers. <i>Maternal and Child Nutrition</i> , 2013, 9, 381-395.	3.0	13
80	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.	2.6	13
81	Carotenoid Intake and Serum Concentration in Young Finnish Children and Their Relation with Fruit and Vegetable Consumption. <i>Nutrients</i> , 2018, 10, 1533.	4.1	13
82	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, 1216-1221.	4.7	12
83	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.	3.6	12
84	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.	6.3	12
85	Exposure to per- and polyfluoroalkyl substances associates with an altered lipid composition of breast milk. <i>Environment International</i> , 2021, 157, 106855.	10.0	12
86	Serum α -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.	0.9	11
87	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.	1.5	11
88	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, 181-187.	3.0	10
89	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.	2.9	10
90	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.	2.9	10

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91	Children's erythrocyte fatty acids are associated with the risk of islet autoimmunity. Scientific Reports, 2021, 11, 3627.	3.3	10
92	Development of a harmonized food grouping system for between-country comparisons in the TEDDY Study. Journal of Food Composition and Analysis, 2017, 63, 79-88.	3.9	9
93	Maternal antioxidant intake during pregnancy and the development of cows' milk allergy in the offspring. British Journal of Nutrition, 2021, 125, 1386-1393.	2.3	9
94	Allergenic Food Introduction and Childhood Risk of Allergic or Autoimmune Disease. JAMA - Journal of the American Medical Association, 2017, 317, 86.	7.4	8
95	Association of diabetes-related autoantibodies with the incidence of asthma, eczema and allergic rhinitis in the TRIGR randomised clinical trial. Diabetologia, 2020, 63, 1796-1807.	6.3	8
96	Consumption of differently processed milk products in infancy and early childhood and the risk of islet autoimmunity. British Journal of Nutrition, 2020, 124, 173-180.	2.3	8
97	Effect of Early Feeding on Intestinal Permeability and Inflammation Markers in Infants with Genetic Susceptibility to Type 1 Diabetes: A Randomized Clinical Trial. Journal of Pediatrics, 2021, 238, 305-311.e3.	1.8	8
98	25(OH)D Levels in Infancy Is Associated With Celiac Disease Autoimmunity in At-Risk Children: A Case-Control Study. Frontiers in Nutrition, 2021, 8, 720041.	3.7	7
99	Perinatal outcomes after induced termination of pregnancy by methods: A nationwide register-based study of first births in Finland 1996-2013. PLoS ONE, 2017, 12, e0184078.	2.5	7
100	Quantitative risk assessment on the dietary exposure of Finnish children and adults to nitrite. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 41-53.	2.3	6
101	Maternal Nitrate and Nitrite Intakes during Pregnancy and Risk of Islet Autoimmunity and Type 1 Diabetes: The DIPP Cohort Study. Journal of Nutrition, 2020, 150, 2969-2976.	2.9	6
102	Use of Antiasthmatic Drugs and the Risk of Type 1 Diabetes in Children: A Nationwide Case-Cohort Study. American Journal of Epidemiology, 2020, 189, 779-787.	3.4	6
103	Assisted reproductive technology and risk of asthma and allergy in the offspring: protocol for a systematic review and meta-analysis. BMJ Open, 2016, 6, e010697.	1.9	5
104	Milk feeding and first complementary foods during the first year of life in the TEDDY study. Maternal and Child Nutrition, 2018, 14, e12611.	3.0	5
105	Dietary heavy metal exposure of Finnish children of 3 to 6 years. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 1305-1315.	2.3	5
106	Maternal food consumption during late pregnancy and offspring risk of islet autoimmunity and type 1 diabetes. Diabetologia, 2021, 64, 1604-1612.	6.3	5
107	Maternal Vitamin C and Iron Intake during Pregnancy and the Risk of Islet Autoimmunity and Type 1 Diabetes in Children: A Birth Cohort Study. Nutrients, 2021, 13, 928.	4.1	5
108	Consumption of differently processed milk products and the risk of asthma in children. Pediatric Allergy and Immunology, 2022, 33, .	2.6	5

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109	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.	2.6	5
110	Sources of dietary gluten in the first 2 years of life and associations with celiac disease autoimmunity and celiac disease in Swedish genetically predisposed children: The Environmental Determinants of Diabetes in the Young (TEDDY) study. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 394-403.	4.7	5
111	Enterovirus infection during pregnancy is inversely associated with atopic disease in the offspring. <i>Clinical and Experimental Allergy</i> , 2018, 48, 1698-1704.	2.9	4
112	Cow's milk allergy in infancy and later development of type 1 diabetesâ€“nationwide caseâ€“cohort study. <i>Pediatric Diabetes</i> , 2021, 22, 400-406.	2.9	4
113	Determining the timing of pubertal onset via a multicohort analysis of growth. <i>PLoS ONE</i> , 2021, 16, e0260137.	2.5	4
114	Growth differences between North American and European children at risk for type 1 diabetes. <i>Pediatric Diabetes</i> , 2012, 13, 425-431.	2.9	3
115	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.	3.0	3
116	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.	2.2	3
117	Breastfeeding and circulating immunological markers during the first 3Âyears of life: the DIABIMMUNE study. <i>Diabetologia</i> , 2022, 65, 329-335.	6.3	3
118	Early introduction of complementary foods: is there a link with Type 1 diabetes?. <i>Diabetes Management</i> , 2013, 3, 53-59.	0.5	2
119	The role of vitamin D in the aetiology of type 1 diabetes. Reply to Korsgren O [letter]. <i>Diabetologia</i> , 2020, 63, 1281-1282.	6.3	2
120	Frailty modeling under a selective sampling protocol: anÂApplication to type 1 diabetes related autoantibodies. <i>Statistics in Medicine</i> , 2021, 40, 6410-6420.	1.6	2
121	Maternal energy-adjusted fatty acid intake during pregnancy and the development of cowsâ€™ milk allergy in the offspring. <i>British Journal of Nutrition</i> , 2022, 128, 1607-1614.	2.3	2
122	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.	1.9	1
123	Type 1 diabetesâ€™origins and epidemiology. <i>Lancet Diabetes and Endocrinology</i> ,the, 2020, 8, 368-369.	11.4	1
124	Effects of dietary counselling on micronutrient intakes in pregnant women in Finland. <i>Maternal and Child Nutrition</i> , 2021, 17, e13203.	3.0	1
125	Dietary heavy metal exposure of Finnish 1-year-olds. <i>AIMS Agriculture and Food</i> , 2019, 4, 778-793.	1.6	1
126	Dietary compliance in a randomized doubleâ€“blind infant feeding trial during infancy aiming at prevention of type 1 diabetes. <i>Food Science and Nutrition</i> , 2021, 9, 4221-4231.	3.4	0

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127	Association of different enteroviruses with atopy and allergic diseases in early childhood. Pediatric Allergy and Immunology, 2021, 32, 1629-1636.	2.6	0
128	Associations Between Serum Fatty Acids and Immunological Markers in Children Developing Islet Autoimmunityâ€”The TRIGR Nested Caseâ€”Control Study. Frontiers in Immunology, 2022, 13, .	4.8	0