

Matti Uusitupa

List of Publications by Year in Descending Order

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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.

112
papers

26,859
citations

54
h-index

116
g-index

116
ext. papers

31,491
ext. citations

11.3
avg, IF

5.47
L-index

#	Paper	IF	Citations
112	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44
111	Long-term outcomes of lifestyle intervention to prevent type 2 diabetes in people at high risk in primary health care. <i>Primary Care Diabetes</i> , 2021 , 15, 444-450	2.4	4
110	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021 , 12, 24	17.4	30
109	Divergent pathologies and treatment options for diabetic neuropathies. <i>Diabetologia</i> , 2020 , 63, 1947-1948	48.3	1
108	Healthy Nordic Diet Modulates the Expression of Genes Related to Mitochondrial Function and Immune Response in Peripheral Blood Mononuclear Cells from Subjects with Metabolic Syndrome-A SYSDIET Sub-Study. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801405	5.9	8
107	Prevention of Type 2 Diabetes by Lifestyle Changes: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2019 , 11,	6.7	60
106	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019 , 51, 452-469	36.3	44
105	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018 , 50, 26-41	36.3	186
104	Genes and Dietary Fatty Acids in Regulation of Fatty Acid Composition of Plasma and Erythrocyte Membranes. <i>Nutrients</i> , 2018 , 10,	6.7	28
103	Prevention of type 2 diabetes-success story that is waiting for next steps. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 1260-1266	5.2	6
102	Serum adiponectin/Ferritin ratio in relation to the risk of type 2 diabetes and insulin sensitivity. <i>Diabetes Research and Clinical Practice</i> , 2018 , 141, 264-274	7.4	7
101	Indolepropionic acid and novel lipid metabolites are associated with a lower risk of type 2 diabetes in the Finnish Diabetes Prevention Study. <i>Scientific Reports</i> , 2017 , 7, 46337	4.9	137
100	Fasting serum hippuric acid is elevated after bilberry (<i>Vaccinium myrtillus</i>) consumption and associates with improvement of fasting glucose levels and insulin secretion in persons at high risk of developing type 2 diabetes. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700019	5.9	36
99	A Low-Frequency Inactivating Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. <i>Diabetes</i> , 2017 , 66, 2019-2032	0.9	29
98	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , 2016 , 7, 13357	17.4	46
97	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , 2016 , 48, 1151-1161	36.3	181
96	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. <i>Nature Genetics</i> , 2016 , 48, 1171-1184	36.3	251

95	Diabetes, glycaemia, and cognition-a secondary analysis of the Finnish Diabetes Prevention Study. <i>Diabetes/Metabolism Research and Reviews</i> , 2016 , 32, 102-10	7.5	18
94	FTO genotype and weight loss: systematic review and meta-analysis of 9563 individual participant data from eight randomised controlled trials. <i>BMJ, The</i> , 2016 , 354, i4707	5.9	70
93	Following in the Footsteps of the North Karelia Project: Prevention of Type 2 Diabetes. <i>Global Heart</i> , 2016 , 11, 223-8	2.9	6
92	Identification and functional characterization of G6PC2 coding variants influencing glyceimic traits define an effector transcript at the G6PC2-ABCB11 locus. <i>PLoS Genetics</i> , 2015 , 11, e1004876	6	76
91	Cognition in the Finnish diabetes prevention study. <i>Diabetes Research and Clinical Practice</i> , 2015 , 108, e63-6	7.4	18
90	Changes in lifestyle modestly reduce the estimated cardiovascular disease risk in one-year follow-up of the Finnish diabetes prevention program (FIN-D2D). <i>European Journal of Cardiovascular Nursing</i> , 2015 , 14, 145-52	3.3	13
89	Dietary polyunsaturated fatty acids and the Pro12Ala polymorphisms of PPARG regulate serum lipids through divergent pathways: a randomized crossover clinical trial. <i>Genes and Nutrition</i> , 2015 , 10, 43	4.3	11
88	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015 , 11, e1005378	6	220
87	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
86	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687
85	Do depressive symptoms have an impact on the effectiveness of lifestyle counseling in prevention of type 2 diabetes? One-year follow-up of FIN-D2D. <i>Primary Care Diabetes</i> , 2014 , 8, 43-7	2.4	2
84	DNA methylation in obesity and type 2 diabetes. <i>Annals of Medicine</i> , 2014 , 46, 103-13	1.5	56
83	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86	36.3	1339
82	Effect of the amount and type of dietary fat on cardiometabolic risk factors and risk of developing type 2 diabetes, cardiovascular diseases, and cancer: a systematic review. <i>Food and Nutrition Research</i> , 2014 , 58,	3.1	213
81	FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. <i>Human Molecular Genetics</i> , 2014 , 23, 6961-72	5.6	120
80	Lifestyle intervention in prevention of type 2 diabetes in women with a history of gestational diabetes mellitus: one-year results of the FIN-D2D project. <i>Journal of Women's Health</i> , 2014 , 23, 506-12	3	20
79	The impact of weight reduction in the prevention of the progression of obstructive sleep apnea: an explanatory analysis of a 5-year observational follow-up trial. <i>Sleep Medicine</i> , 2014 , 15, 329-35	4.6	29
78	The association between HbA1c, fasting glucose, 1-hour glucose and 2-hour glucose during an oral glucose tolerance test and cardiovascular disease in individuals with elevated risk for diabetes. <i>PLoS ONE</i> , 2014 , 9, e109506	3.7	31

77	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013 , 45, 1274-1283	36.3	1904
76	Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013 , 45, 1345-52	36.3	597
75	Diet, inflammation and prediabetes-impact of quality of diet. <i>Canadian Journal of Diabetes</i> , 2013 , 37, 327-31	2.1	13
74	The genetic and metabolic determinants of cardiovascular complications in type 2 diabetes: recent insights from animal models and clinical investigations. <i>Canadian Journal of Diabetes</i> , 2013 , 37, 351-8	2.1	4
73	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013 , 45, 501-12	36.3	437
72	Predictors of success of a lifestyle intervention in relation to weight loss and improvement in glucose tolerance among individuals at high risk for type 2 diabetes: the FIN-D2D project. <i>Journal of Primary Care and Community Health</i> , 2013 , 4, 59-66	2.1	11
71	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , 2013 , 9, e1003500	6	277
70	Genetic predisposition to obesity and lifestyle factors--the combined analyses of twenty-six known BMI- and fourteen known waist:hip ratio (WHR)-associated variants in the Finnish Diabetes Prevention Study. <i>British Journal of Nutrition</i> , 2013 , 110, 1856-65	3.6	21
69	Importance of weight loss maintenance and risk prediction in the prevention of type 2 diabetes: analysis of European Diabetes Prevention Study RCT. <i>PLoS ONE</i> , 2013 , 8, e57143	3.7	81
68	Participation, socioeconomic status and group or individual counselling intervention in individuals at high risk for type 2 diabetes: one-year follow-up study of the FIN-D2D-project. <i>Primary Care Diabetes</i> , 2012 , 6, 277-83	2.4	10
67	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. <i>Nature Genetics</i> , 2012 , 44, 659-69	36.3	615
66	Gene expression of peripheral blood mononuclear cells as a tool in dietary intervention studies: What do we know so far?. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1160-72	5.9	120
65	Association of the fat mass and obesity-associated (FTO) gene variant (rs9939609) with dietary intake in the Finnish Diabetes Prevention Study. <i>British Journal of Nutrition</i> , 2012 , 108, 1859-65	3.6	43
64	Insulin secretion and its determinants in the progression of impaired glucose tolerance to type 2 diabetes in impaired glucose-tolerant individuals: the Finnish Diabetes Prevention Study. <i>Diabetes Care</i> , 2012 , 35, 211-7	14.6	41
63	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012 , 44, 991-1005	36.3	621
62	Do statins interfere with lifestyle intervention in the prevention of diabetes in primary healthcare? One-year follow-up of the FIN-D2D project. <i>BMJ Open</i> , 2012 , 2,	3	8
61	Leukocyte telomere length in the Finnish Diabetes Prevention Study. <i>PLoS ONE</i> , 2012 , 7, e34948	3.7	57
60	Association of ADIPOQ gene variants with body weight, type 2 diabetes and serum adiponectin concentrations: the Finnish Diabetes Prevention Study. <i>BMC Medical Genetics</i> , 2011 , 12, 5	2.1	105

59	Population-level effects of the national diabetes prevention programme (FIN-D2D) on the body weight, the waist circumference, and the prevalence of obesity. <i>BMC Public Health</i> , 2011 , 11, 350	4.1	16
58	Association of ADIPOR2 gene variants with cardiovascular disease and type 2 diabetes risk in individuals with impaired glucose tolerance: the Finnish Diabetes Prevention Study. <i>Cardiovascular Diabetology</i> , 2011 , 10, 83	8.7	24
57	Increase in physical activity and cardiometabolic risk profile change during lifestyle intervention in primary healthcare: 1-year follow-up study among individuals at high risk for type 2 diabetes. <i>BMJ Open</i> , 2011 , 1, e000292	3	29
56	Socioeconomic position and effectiveness of lifestyle intervention in prevention of type 2 diabetes: one-year follow-up of the FIN-D2D project. <i>Scandinavian Journal of Public Health</i> , 2011 , 39, 561-70	3	22
55	Socio-economic differences in dysglycemia and lifestyle-related risk factors in the Finnish middle-aged population. <i>European Journal of Public Health</i> , 2011 , 21, 768-74	2.1	19
54	Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. <i>PLoS Medicine</i> , 2011 , 8, e1001116	11.6	379
53	Tenomodulin gene and obesity-related phenotypes. <i>Annals of Medicine</i> , 2010 , 42, 265-75	1.5	10
52	Cardiometabolic profile of people screened for high risk of type 2 diabetes in a national diabetes prevention programme (FIN-D2D). <i>Primary Care Diabetes</i> , 2010 , 4, 231-9	2.4	22
51	Lifestyle intervention for prevention of type 2 diabetes in primary health care: one-year follow-up of the Finnish National Diabetes Prevention Program (FIN-D2D). <i>Diabetes Care</i> , 2010 , 33, 2146-51	14.6	228
50	Leisure-time physical activity and the metabolic syndrome in the Finnish diabetes prevention study. <i>Diabetes Care</i> , 2010 , 33, 1610-7	14.6	66
49	Ten-year mortality and cardiovascular morbidity in the Finnish Diabetes Prevention Study--secondary analysis of the randomized trial. <i>PLoS ONE</i> , 2009 , 4, e5656	3.7	128
48	Lifestyle intervention with weight reduction: first-line treatment in mild obstructive sleep apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 320-7	10.2	286
47	Sleep duration, lifestyle intervention, and incidence of type 2 diabetes in impaired glucose tolerance: The Finnish Diabetes Prevention Study. <i>Diabetes Care</i> , 2009 , 32, 1965-71	14.6	86
46	Variation in the UCP2 and UCP3 genes associates with abdominal obesity and serum lipids: the Finnish Diabetes Prevention Study. <i>BMC Medical Genetics</i> , 2009 , 10, 94	2.1	47
45	The common variant in the FTO gene did not modify the effect of lifestyle changes on body weight: the Finnish Diabetes Prevention Study. <i>Obesity</i> , 2009 , 17, 832-6	8	83
44	Educational attainment and effectiveness of lifestyle intervention in the Finnish Diabetes Prevention Study. <i>Diabetes Research and Clinical Practice</i> , 2009 , 86, e1-5	7.4	17
43	Effect of weight loss on cytokine messenger RNA expression in peripheral blood mononuclear cells of obese subjects with the metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 192-9	12.7	75
42	Interaction of single nucleotide polymorphisms in ADRB2, ADRB3, TNF, IL6, IGF1R, LIPC, LEPR, and GHRL with physical activity on the risk of type 2 diabetes mellitus and changes in characteristics of the metabolic syndrome: The Finnish Diabetes Prevention Study. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 188-96	12.7	33

41	Lifestyle intervention, diabetes, and cardiovascular disease. <i>Lancet, The</i> , 2008 , 371, 1731-3	40	8
40	Determinants for the effectiveness of lifestyle intervention in the Finnish Diabetes Prevention Study. <i>Diabetes Care</i> , 2008 , 31, 857-62	14.6	113
39	SNPs in PPARG associate with type 2 diabetes and interact with physical activity. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 25-33	1.2	33
38	Effect of lifestyle intervention on the occurrence of metabolic syndrome and its components in the Finnish Diabetes Prevention Study. <i>Diabetes Care</i> , 2008 , 31, 805-7	14.6	145
37	Long-term repeatability of measures of early insulin secretion derived from an intravenous glucose tolerance test and conversion from impaired glucose tolerance to diabetes. <i>Annals of Medicine</i> , 2008 , 40, 303-11	1.5	2
36	The genetic variation of the tenomodulin gene (TNMD) is associated with serum levels of systemic immune mediators--the Finnish Diabetes Prevention Study. <i>Genetics in Medicine</i> , 2008 , 10, 536-44	8.1	11
35	Variations in the ghrelin receptor gene associate with obesity and glucose metabolism in individuals with impaired glucose tolerance. <i>PLoS ONE</i> , 2008 , 3, e2941	3.7	26
34	Tenomodulin is associated with obesity and diabetes risk: the Finnish diabetes prevention study. <i>Obesity</i> , 2007 , 15, 1082-8	8	22
33	Costs of a self-selected, health-promoting diet among the participants of the Finnish Diabetes Prevention Study. <i>Diabetes Care</i> , 2007 , 30, 1275-7	14.6	14
32	Physical activity, diet, and incident diabetes in relation to an ADRA2B polymorphism. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 227-32	1.2	18
31	Lifestyle intervention to prevent diabetes in men and women with impaired glucose tolerance is cost-effective. <i>International Journal of Technology Assessment in Health Care</i> , 2007 , 23, 177-83	1.8	62
30	Effect of smoking on lifestyle interventions to prevent diabetes [AuthorsReply]. <i>Lancet, The</i> , 2007 , 369, 365-366	40	
29	Systemic immune mediators and lifestyle changes in the prevention of type 2 diabetes: results from the Finnish Diabetes Prevention Study. <i>Diabetes</i> , 2006 , 55, 2340-6	0.9	87
28	Serum uric acid as a harbinger of metabolic outcome in subjects with impaired glucose tolerance: the Finnish Diabetes Prevention Study. <i>Diabetes Care</i> , 2006 , 29, 709-11	14.6	83
27	Sustained reduction in the incidence of type 2 diabetes by lifestyle intervention: follow-up of the Finnish Diabetes Prevention Study. <i>Lancet, The</i> , 2006 , 368, 1673-9	40	1234
26	Physical activity in the prevention of type 2 diabetes: the Finnish diabetes prevention study. <i>Diabetes</i> , 2005 , 54, 158-65	0.9	434
25	Polymorphisms in the SLC2A2 (GLUT2) gene are associated with the conversion from impaired glucose tolerance to type 2 diabetes: the Finnish Diabetes Prevention Study. <i>Diabetes</i> , 2005 , 54, 2256-60	0.9	63
24	Gene-diet interaction in relation to the prevention of obesity and type 2 diabetes: evidence from the Finnish Diabetes Prevention Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2005 , 15, 225-33	45	36

23	The G-250A promoter polymorphism of the hepatic lipase gene predicts the conversion from impaired glucose tolerance to type 2 diabetes mellitus: the Finnish Diabetes Prevention Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2019-23	5.6	58
22	Prevalence of the metabolic syndrome and its components: findings from a Finnish general population sample and the Diabetes Prevention Study cohort. <i>Diabetes Care</i> , 2004 , 27, 2135-40	14.6	141
21	Aldose reductase gene polymorphisms and peripheral nerve function in patients with type 2 diabetes. <i>Diabetes Care</i> , 2004 , 27, 2021-6	14.6	27
20	Polymorphisms of the SUR1 (ABCC8) and Kir6.2 (KCNJ11) genes predict the conversion from impaired glucose tolerance to type 2 diabetes. The Finnish Diabetes Prevention Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 6286-90	5.6	76
19	Comparative evaluation of simple indices of insulin resistance. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 1522-6	12.7	52
18	Epidemiology and treatment of the metabolic syndrome. <i>Annals of Medicine</i> , 2004 , 36, 332-46	1.5	82
17	Long-term improvement in insulin sensitivity by changing lifestyles of people with impaired glucose tolerance: 4-year results from the Finnish Diabetes Prevention Study. <i>Diabetes</i> , 2003 , 52, 2532-8	0.9	166
16	Promoter polymorphisms of the TNF-alpha (G-308A) and IL-6 (C-174G) genes predict the conversion from impaired glucose tolerance to type 2 diabetes: the Finnish Diabetes Prevention Study. <i>Diabetes</i> , 2003 , 52, 1872-6	0.9	209
15	Prevention of diabetes mellitus in subjects with impaired glucose tolerance in the Finnish Diabetes Prevention Study: results from a randomized clinical trial. <i>Journal of the American Society of Nephrology: JASN</i> , 2003 , 14, S108-13	12.7	158
14	The Finnish Diabetes Prevention Study (DPS): Lifestyle intervention and 3-year results on diet and physical activity. <i>Diabetes Care</i> , 2003 , 26, 3230-6	14.6	879
13	Prevention of type 2 diabetes mellitus by changes in lifestyle among subjects with impaired glucose tolerance. <i>New England Journal of Medicine</i> , 2001 , 344, 1343-50	59.2	7577
12	The Finnish Diabetes Prevention Study. <i>British Journal of Nutrition</i> , 2000 , 83 Suppl 1, S137-42	3.6	113
11	Oral symptoms and signs in elderly patients with type 2 diabetes mellitus. A focus on diabetic neuropathy. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2000 , 90, 299-305		58
10	Carotid artery intima-media thickness in elderly patients with NIDDM and in nondiabetic subjects. <i>Stroke</i> , 1996 , 27, 1986-92	6.7	78
9	Natural history of peripheral neuropathy in patients with non-insulin-dependent diabetes mellitus. <i>New England Journal of Medicine</i> , 1995 , 333, 89-94	59.2	461
8	Metabolic and dietary determinants of serum lipids in obese patients with recently diagnosed non-insulin-dependent diabetes. <i>Annals of Medicine</i> , 1994 , 26, 119-24	1.5	13
7	The maintenance of improved metabolic control after intensified diet therapy in recent type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 1993 , 19, 227-38	7.4	53
6	Hypertension in diabetic patients--use of exercise in treatment. <i>Annals of Medicine</i> , 1991 , 23, 335-8	1.5	1

5	Diabetes and atherosclerosis: an epidemiologic view. <i>Diabetes/metabolism Reviews</i> , 1987 , 3, 463-524	681
4	Peripheral arterial disease and its relationship to cardiovascular risk factors and coronary heart disease in newly diagnosed non-insulin-dependent diabetics. <i>Acta Medica Scandinavica</i> , 1986 , 220, 205-12	18
3	Effect of correction of hyperglycemia on left ventricular function in non-insulin-dependent (type 2) diabetics. <i>Acta Medica Scandinavica</i> , 1983 , 213, 363-8	49
2	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution	1
1	Tissue-Specific Alteration of Metabolic Pathways Influences Glycemic Regulation	4