

Tiinamaija Tuomi

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

54,012
citations

18482

62
h-index

19190

118
g-index

128
all docs

128
docs citations

128
times ranked

64119
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of protein-coding genetic variation in 60,706 humans. Nature, 2016, 536, 285-291.	27.8	9,051
2	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
3	Biological, clinical and population relevance of 95 loci for blood lipids. Nature, 2010, 466, 707-713.	27.8	3,249
4	Discovery and refinement of loci associated with lipid levels. Nature Genetics, 2013, 45, 1274-1283.	21.4	2,641
5	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. Nature Genetics, 2010, 42, 937-948.	21.4	2,634
6	A reference panel of 64,976 haplotypes for genotype imputation. Nature Genetics, 2016, 48, 1279-1283.	21.4	2,421
7	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. Nature Genetics, 2010, 42, 105-116.	21.4	1,982
8	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	21.4	1,818
9	Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature, 2010, 467, 832-838.	27.8	1,789
10	Meta-analysis of genome-wide association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. Nature Genetics, 2008, 40, 638-645.	21.4	1,683
11	The common PPAR γ Pro12Ala polymorphism is associated with decreased risk of type 2 diabetes. Nature Genetics, 2000, 26, 76-80.	21.4	1,672
12	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. Nature Genetics, 2010, 42, 579-589.	21.4	1,631
13	Novel subgroups of adult-onset diabetes and their association with outcomes: a data-driven cluster analysis of six variables. Lancet Diabetes and Endocrinology, 2018, 6, 361-369.	11.4	1,430
14	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. Nature Genetics, 2018, 50, 1505-1513.	21.4	1,331
15	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
16	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	27.8	952
17	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. Nature Genetics, 2010, 42, 949-960.	21.4	836
18	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. Nature Genetics, 2012, 44, 659-669.	21.4	762

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19	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.	21.4	746
20	Mechanisms by which common variants in the TCF7L2 gene increase risk of type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2007, 117, 2155-2163.	8.2	683
21	Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009, 41, 77-81.	21.4	662
22	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. <i>Diabetes</i> , 2017, 66, 2888-2902.	0.6	615
23	Genetic variation in GIPR influences the glucose and insulin responses to an oral glucose challenge. <i>Nature Genetics</i> , 2010, 42, 142-148.	21.4	591
24	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013, 45, 501-512.	21.4	578
25	The many faces of diabetes: a disease with increasing heterogeneity. <i>Lancet, The</i> , 2014, 383, 1084-1094.	13.7	497
26	Loss-of-function mutations in SLC30A8 protect against type 2 diabetes. <i>Nature Genetics</i> , 2014, 46, 357-363.	21.4	428
27	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.	3.5	371
28	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , 2015, 47, 1415-1425.	21.4	365
29	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018, 50, 559-571.	21.4	356
30	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021, 53, 840-860.	21.4	341
31	Genome-Wide Association Identifies Nine Common Variants Associated With Fasting Proinsulin Levels and Provides New Insights Into the Pathophysiology of Type 2 Diabetes. <i>Diabetes</i> , 2011, 60, 2624-2634.	0.6	335
32	Predictors of and Longitudinal Changes in Insulin Sensitivity and Secretion Preceding Onset of Type 2 Diabetes. <i>Diabetes</i> , 2005, 54, 166-174.	0.6	315
33	Impact of Type 2 Diabetes Susceptibility Variants on Quantitative Glycemic Traits Reveals Mechanistic Heterogeneity. <i>Diabetes</i> , 2014, 63, 2158-2171.	0.6	297
34	Cross-sectional evaluation of the Finnish Diabetes Risk Score: a tool to identify undetected type 2 diabetes, abnormal glucose tolerance and metabolic syndrome. <i>Diabetes and Vascular Disease Research</i> , 2005, 2, 67-72.	2.0	273
35	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , 2016, 48, 1151-1161.	21.4	261
36	Adult-Onset Autoimmune Diabetes in Europe Is Prevalent With a Broad Clinical Phenotype. <i>Diabetes Care</i> , 2013, 36, 908-913.	8.6	253

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37	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. <i>Nature Genetics</i> , 2022, 54, 560-572.	21.4	250
38	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , 2019, 570, 71-76.	27.8	248
39	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. <i>Nature Communications</i> , 2016, 7, 11089.	12.8	201
40	Increased Melatonin Signaling Is a Risk Factor for Type 2 Diabetes. <i>Cell Metabolism</i> , 2016, 23, 1067-1077.	16.2	194
41	Genetic Similarities Between Latent Autoimmune Diabetes in Adults, Type 1 Diabetes, and Type 2 Diabetes. <i>Diabetes</i> , 2008, 57, 1433-1437.	0.6	192
42	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015, 523, 459-462.	27.8	173
43	A Central Role for GRB10 in Regulation of Islet Function in Man. <i>PLoS Genetics</i> , 2014, 10, e1004235.	3.5	164
44	DNA methylation of loci within <i>ABCG1</i> and <i>PHOSPHO1</i> in blood DNA is associated with future type 2 diabetes risk. <i>Epigenetics</i> , 2016, 11, 482-488.	2.7	152
45	Assessing the phenotypic effects in the general population of rare variants in genes for a dominant Mendelian form of diabetes. <i>Nature Genetics</i> , 2013, 45, 1380-1385.	21.4	129
46	Management of Latent Autoimmune Diabetes in Adults: A Consensus Statement From an International Expert Panel. <i>Diabetes</i> , 2020, 69, 2037-2047.	0.6	129
47	Type 1 and Type 2 Diabetes: What Do They Have in Common?. <i>Diabetes</i> , 2005, 54, S40-S45.	0.6	124
48	A Genome-Wide Association Study of IVGTT-Based Measures of First-Phase Insulin Secretion Refines the Underlying Physiology of Type 2 Diabetes Variants. <i>Diabetes</i> , 2017, 66, 2296-2309.	0.6	102
49	First Genome-Wide Association Study of Latent Autoimmune Diabetes in Adults Reveals Novel Insights Linking Immune and Metabolic Diabetes. <i>Diabetes Care</i> , 2018, 41, 2396-2403.	8.6	99
50	Power in the phenotypic extremes: a simulation study of power in discovery and replication of rare variants. <i>Genetic Epidemiology</i> , 2011, 35, 236-246.	1.3	97
51	Early metabolic markers identify potential targets for the prevention of type 2 diabetes. <i>Diabetologia</i> , 2017, 60, 1740-1750.	6.3	96
52	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. <i>Nature Genetics</i> , 2019, 51, 1596-1606.	21.4	96
53	Identification and Functional Characterization of G6PC2 Coding Variants Influencing Glycemic Traits Define an Effector Transcript at the G6PC2-ABCB11 Locus. <i>PLoS Genetics</i> , 2015, 11, e1004876.	3.5	95
54	Heterozygous RFX6 protein truncating variants are associated with MODY with reduced penetrance. <i>Nature Communications</i> , 2017, 8, 888.	12.8	95

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55	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. Nature Communications, 2021, 12, 24.	12.8	87
56	Genetic analysis of obstructive sleep apnoea discovers a strong association with cardiometabolic health. European Respiratory Journal, 2021, 57, 2003091.	6.7	85
57	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	12.8	84
58	Pleiotropic Effects of GIP on Islet Function Involve Osteopontin. Diabetes, 2011, 60, 2424-2433.	0.6	83
59	Genome-wide association analyses highlight etiological differences underlying newly defined subtypes of diabetes. Nature Genetics, 2021, 53, 1534-1542.	21.4	81
60	Improved Prandial Glucose Control With Lower Risk of Hypoglycemia With Nateglinide Than With Glibenclamide in Patients With Maturity-Onset Diabetes of the Young Type 3. Diabetes Care, 2006, 29, 189-194.	8.6	79
61	Insulin and Glucagon Secretion in Patients with Slowly Progressing Autoimmune Diabetes (LADA)1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 76-80.	3.6	75
62	Link Between GIP and Osteopontin in Adipose Tissue and Insulin Resistance. Diabetes, 2013, 62, 2088-2094.	0.6	75
63	Latent Autoimmune Diabetes in Adults Differs Genetically From Classical Type 1 Diabetes Diagnosed After the Age of 35 Years. Diabetes Care, 2010, 33, 2062-2064.	8.6	71
64	Non-insulin-dependent Diabetes Mellitus - A Collision between Thrifty Genes and an Affluent Society. Annals of Medicine, 1997, 29, 37-53.	3.8	70
65	Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies <i>BCL2</i> and <i>FAM19A2</i> as Novel Insulin Sensitivity Loci. Diabetes, 2016, 65, 3200-3211.	0.6	67
66	Chromosome 2q31.1 Associates with ESRD in Women with Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2013, 24, 1537-1543.	6.1	66
67	Overweight, obesity and the risk of LADA: results from a Swedish case-control study and the Norwegian HUNT Study. Diabetologia, 2018, 61, 1333-1343.	6.3	63
68	A Genome-Wide Scan in Families With Maturity-Onset Diabetes of the Young: Evidence for Further Genetic Heterogeneity. Diabetes, 2003, 52, 872-881.	0.6	62
69	Type 2 diabetes susceptibility gene variants predispose to adult-onset autoimmune diabetes. Diabetologia, 2014, 57, 1859-1868.	6.3	59
70	Obstructive sleep apnoea and the risk for coronary heart disease and type 2 diabetes: a longitudinal population-based study in Finland. BMJ Open, 2018, 8, e022752.	1.9	54
71	1-Hour Post-OGTT Glucose Improves the Early Prediction of Type 2 Diabetes by Clinical and Metabolic Markers. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 1131-1140.	3.6	53
72	How Communicating Polygenic and Clinical Risk for Atherosclerotic Cardiovascular Disease Impacts Health Behavior: an Observational Follow-up Study. Circulation Genomic and Precision Medicine, 2022, 15, CIRCGEN121003459.	3.6	53

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73	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. <i>Nature Communications</i> , 2021, 12, 3505.	12.8	49
74	Gut Microbiome Composition Is Predictive of Incident Type 2 Diabetes in a Population Cohort of 5,572 Finnish Adults. <i>Diabetes Care</i> , 2022, 45, 811-818.	8.6	47
75	Multi-ancestry genome-wide association study of gestational diabetes mellitus highlights genetic links with type 2 diabetes. <i>Human Molecular Genetics</i> , 2022, 31, 3377-3391.	2.9	47
76	Genetic determinants of circulating GIP and GLP-1 concentrations. <i>JCI Insight</i> , 2017, 2, .	5.0	46
77	GAD Antibody Positivity Predicts Type 2 Diabetes in an Adult Population. <i>Diabetes</i> , 2010, 59, 416-422.	0.6	45
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.	2.5	38
79	Sweetened beverage intake and risk of latent autoimmune diabetes in adults (LADA) and type 2 diabetes. <i>European Journal of Endocrinology</i> , 2016, 175, 605-614.	3.7	35
80	Subgroups of patients with young-onset type 2 diabetes in India reveal insulin deficiency as a major driver. <i>Diabetologia</i> , 2022, 65, 65-78.	6.3	34
81	Prediction of silent celiac disease at diagnosis of childhood type 1 diabetes by tissue transglutaminase autoantibodies and HLA. <i>Pediatric Diabetes</i> , 2001, 2, 58-65.	2.9	33
82	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , 2017, 4, 170179.	5.3	31
83	Diabetes and Prediabetes Classification Using Glycemic Variability Indices From Continuous Glucose Monitoring Data. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 105-113.	2.2	29
84	Smoking and the Risk of LADA: Results From a Swedish Population-Based Case-Control Study. <i>Diabetes Care</i> , 2016, 39, 794-800.	8.6	26
85	Urinary extracellular vesicles: Assessment of pre-analytical variables and development of a quality control with focus on transcriptomic biomarker research. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12158.	12.2	26
86	Accuracy of 1-Hour Plasma Glucose During the Oral Glucose Tolerance Test in Diagnosis of Type 2 Diabetes in Adults: A Meta-analysis. <i>Diabetes Care</i> , 2021, 44, 1062-1069.	8.6	25
87	Simulation of Finnish Population History, Guided by Empirical Genetic Data, to Assess Power of Rare-Variant Tests in Finland. <i>American Journal of Human Genetics</i> , 2014, 94, 710-720.	6.2	24
88	Clusters provide a better holistic view of type 2 diabetes than simple clinical features. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 668-669.	11.4	24
89	Rare coding variants in 35 genes associate with circulating lipid levelsâ€”A multi-ancestry analysis of 170,000 exomes. <i>American Journal of Human Genetics</i> , 2022, 109, 81-96.	6.2	24
90	Genetic Discrimination Between LADA and Childhood-Onset Type 1 Diabetes Within the MHC. <i>Diabetes Care</i> , 2020, 43, 418-425.	8.6	23

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91	Interaction Between Overweight and Genotypes of HLA, TCF7L2, and FTO in Relation to the Risk of Latent Autoimmune Diabetes in Adults and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4815-4826.	3.6	22
92	Zinc transporter type 8 autoantibodies (ZnT8A): prevalence and phenotypic associations in latent autoimmune diabetes patients and patients with adult onset type 1 diabetes. <i>Autoimmunity</i> , 2013, 46, 251-258.	2.6	21
93	Biliary Anomalies in Patients With HNF1B Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2075-2082.	3.6	20
94	Glucose-Dependent Insulinotropic Peptide in the High-Normal Range Is Associated With Increased Carotid Intima-Media Thickness. <i>Diabetes Care</i> , 2021, 44, 224-230.	8.6	20
95	Glucose-dependent insulinotropic peptide and risk of cardiovascular events and mortality: a prospective study. <i>Diabetologia</i> , 2020, 63, 1043-1054.	6.3	18
96	Integration of questionnaire-based risk factors improves polygenic risk scores for human coronary heart disease and type 2 diabetes. <i>Communications Biology</i> , 2022, 5, 158.	4.4	18
97	ACE2 expression in adipose tissue is associated with cardio-metabolic risk factors and cell type composition—implications for COVID-19. <i>International Journal of Obesity</i> , 2022, 46, 1478-1486.	3.4	18
98	Low birthweight is associated with an increased risk of LADA and type 2 diabetes: results from a Swedish case—control study. <i>Diabetologia</i> , 2015, 58, 2525-2532.	6.3	16
99	HAPT2D: high accuracy of prediction of T2D with a model combining basic and advanced data depending on availability. <i>European Journal of Endocrinology</i> , 2018, 178, 331-341.	3.7	12
100	Physical Activity, Genetic Susceptibility, and the Risk of Latent Autoimmune Diabetes in Adults and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4112-e4123.	3.6	11
101	Glycaemic variability-based classification of impaired glucose tolerance vs. type 2 diabetes using continuous glucose monitoring data. <i>Computers in Biology and Medicine</i> , 2018, 96, 141-146.	7.0	10
102	Human Physiology of Genetic Defects Causing Beta-cell Dysfunction. <i>Journal of Molecular Biology</i> , 2020, 432, 1579-1598.	4.2	10
103	Birthweight, BMI in adulthood and latent autoimmune diabetes in adults: a Mendelian randomisation study. <i>Diabetologia</i> , 2022, 65, 1510-1518.	6.3	9
104	Combined lifestyle factors and the risk of LADA and type 2 diabetes — Results from a Swedish population-based case-control study. <i>Diabetes Research and Clinical Practice</i> , 2021, 174, 108760.	2.8	8
105	A Web Portal for Communicating Polygenic Risk Score Results for Health Care Use—The P5 Study. <i>Frontiers in Genetics</i> , 2021, 12, 763159.	2.3	8
106	The associations of daylight and melatonin receptor 1B gene rs10830963 variant with glycemic traits: the prospective PPP-Botnia study. <i>Annals of Medicine</i> , 2019, 51, 58-67.	3.8	7
107	A multigenerational study on phenotypic consequences of the most common causal variant of HNF1A-MODY. <i>Diabetologia</i> , 2022, 65, 632-643.	6.3	7
108	Melatonin receptor 1B gene rs10830963 polymorphism, depressive symptoms and glycaemic traits. <i>Annals of Medicine</i> , 2018, 50, 704-712.	3.8	6

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109	Genotypes of HLA, TCF7L2, and FTO as potential modifiers of the association between sweetened beverage consumption and risk of LADA and type 2 diabetes. European Journal of Nutrition, 2020, 59, 127-135.	3.9	6
110	Novel diabetes subgroups – Authors' reply. Lancet Diabetes and Endocrinology, the, 2018, 6, 440-441.	11.4	4
111	Low-cost exercise interventions improve long-term cardiometabolic health independently of a family history of type 2 diabetes: a randomized parallel group trial. BMJ Open Diabetes Research and Care, 2020, 8, e001377.	2.8	3
112	Elevated One-Hour Post-Load Glucose Is Independently Associated with Albuminuria: A Cross-Sectional Population Study. Journal of Clinical Medicine, 2022, 11, 4124.	2.4	2
113	Intrauterine Hyperglycemia Modifying the Development of (Monogenic) Diabetes?. Diabetes Care, 2003, 26, 1295-1296.	8.6	1
114	Saving time by replacing the standardised two-hour oral glucose tolerance test with a one-hour test. Diabetes Research and Clinical Practice, 2022, 183, 109156.	2.8	1
115	Lipid-Associated Variants near ANGPTL3 and LPL Show Parent-of-Origin Specific Effects on Blood Lipid Levels and Obesity. Genes, 2022, 13, 91.	2.4	0