

Tiinamaija Tuomi

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.

113
papers

40,314
citations

56
h-index

128
g-index

128
ext. papers

48,801
ext. citations

16.6
avg, IF

5.49
L-index

#	Paper	IF	Citations
113	Analysis of protein-coding genetic variation in 60,706 humans. <i>Nature</i> , 2016 , 536, 285-91	50.4	6940
112	Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , 2010 , 466, 707-13	50.4	2742
111	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687
110	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010 , 42, 937-48	36.3	2267
109	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013 , 45, 1274-1283	36.3	1904
108	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010 , 42, 105-16	36.3	1673
107	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010 , 467, 832-8	50.4	1514
106	Meta-analysis of genome-wide association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. <i>Nature Genetics</i> , 2008 , 40, 638-45	36.3	1496
105	The common PPARgamma Pro12Ala polymorphism is associated with decreased risk of type 2 diabetes. <i>Nature Genetics</i> , 2000 , 26, 76-80	36.3	1486
104	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. <i>Nature Genetics</i> , 2010 , 42, 579-89	36.3	1449
103	A reference panel of 64,976 haplotypes for genotype imputation. <i>Nature Genetics</i> , 2016 , 48, 1279-83	36.3	1447
102	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
101	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
100	Novel subgroups of adult-onset diabetes and their association with outcomes: a data-driven cluster analysis of six variables. <i>Lancet Diabetes and Endocrinology</i> , 2018 , 6, 361-369	18.1	810
99	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. <i>Nature Genetics</i> , 2010 , 42, 949-60	36.3	724
98	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016 , 536, 41-47	50.4	704
97	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. <i>Nature Genetics</i> , 2018 , 50, 1505-1513	36.3	675

96	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
95	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
94	Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009 , 41, 77-81	36.3	584
93	Mechanisms by which common variants in the TCF7L2 gene increase risk of type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2155-63	15.9	574
92	Genetic variation in GIPR influences the glucose and insulin responses to an oral glucose challenge. <i>Nature Genetics</i> , 2010 , 42, 142-8	36.3	527
91	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
90	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. <i>Diabetes</i> , 2017 , 66, 2888-2902	36.3	414
89	The many faces of diabetes: a disease with increasing heterogeneity. <i>Lancet, The</i> , 2014 , 383, 1084-94	40	369
88	Loss-of-function mutations in SLC30A8 protect against type 2 diabetes. <i>Nature Genetics</i> , 2014 , 46, 357-63	36.3	351
87	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , 2015 , 47, 1415-25	36.3	292
86	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, 2624-34	0.9	285
85	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
84	Predictors of and longitudinal changes in insulin sensitivity and secretion preceding onset of type 2 diabetes. <i>Diabetes</i> , 2005 , 54, 166-74	0.9	267
83	Impact of type 2 diabetes susceptibility variants on quantitative glycemic traits reveals mechanistic heterogeneity. <i>Diabetes</i> , 2014 , 63, 2158-71	0.9	235
82	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018 , 50, 559-571	36.3	221
81	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	3.3	219
80	Adult-onset autoimmune diabetes in Europe is prevalent with a broad clinical phenotype: Action LADA 7. <i>Diabetes Care</i> , 2013 , 36, 908-13	14.6	198
79	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

78	Genetic similarities between latent autoimmune diabetes in adults, type 1 diabetes, and type 2 diabetes. <i>Diabetes</i> , 2008 , 57, 1433-7	0.9	165
77	Increased Melatonin Signaling Is a Risk Factor for Type 2 Diabetes. <i>Cell Metabolism</i> , 2016 , 23, 1067-1077	24.6	159
76	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. <i>Nature Communications</i> , 2016 , 7, 11089	17.4	145
75	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , 2019 , 570, 71-76	50.4	129
74	A central role for GRB10 in regulation of islet function in man. <i>PLoS Genetics</i> , 2014 , 10, e1004235	6	124
73	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015 , 523, 459-463	30.4	119
72	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, 1380-5	36.3	103
71	DNA methylation of loci within ABCG1 and PHOSPHO1 in blood DNA is associated with future type 2 diabetes risk. <i>Epigenetics</i> , 2016 , 11, 482-8	5.7	99
70	Power in the phenotypic extremes: a simulation study of power in discovery and replication of rare variants. <i>Genetic Epidemiology</i> , 2011 , 35, 236-46	2.6	83
69	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	6	76
68	Type 1 and type 2 diabetes: what do they have in common?. <i>Diabetes</i> , 2005 , 54 Suppl 2, S40-5	0.9	76
67	Pleiotropic effects of GIP on islet function involve osteopontin. <i>Diabetes</i> , 2011 , 60, 2424-33	0.9	72
66	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	0.9	69
65	Link between GIP and osteopontin in adipose tissue and insulin resistance. <i>Diabetes</i> , 2013 , 62, 2088-94	0.9	64
64	Early metabolic markers identify potential targets for the prevention of type 2 diabetes. <i>Diabetologia</i> , 2017 , 60, 1740-1750	10.3	62
63	Non-insulin-dependent diabetes mellitus--a collision between thrifty genes and an affluent society. <i>Annals of Medicine</i> , 1997 , 29, 37-53	1.5	61
62	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. <i>Diabetes Care</i> , 2006 , 29, 189-94	14.6	60
61	Insulin and glucagon secretion in patients with slowly progressing autoimmune diabetes (LADA). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 76-80	5.6	59

60	Latent autoimmune diabetes in adults differs genetically from classical type 1 diabetes diagnosed after the age of 35 years. <i>Diabetes Care</i> , 2010 , 33, 2062-4	14.6	58
59	Heterozygous RFX6 protein truncating variants are associated with MODY with reduced penetrance. <i>Nature Communications</i> , 2017 , 8, 888	17.4	57
58	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	14.6	57
57	A genome-wide scan in families with maturity-onset diabetes of the young: evidence for further genetic heterogeneity. <i>Diabetes</i> , 2003 , 52, 872-81	0.9	55
56	Chromosome 2q31.1 associates with ESRD in women with type 1 diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1537-43	12.7	54
55	Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies BCL2 and FAM19A2 as Novel Insulin Sensitivity Loci. <i>Diabetes</i> , 2016 , 65, 3200-11	0.9	47
54	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. <i>Nature Genetics</i> , 2019 , 51, 1596-1606	36.3	45
53	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44
52	Type 2 diabetes susceptibility gene variants predispose to adult-onset autoimmune diabetes. <i>Diabetologia</i> , 2014 , 57, 1859-68	10.3	43
51	Management of Latent Autoimmune Diabetes in Adults: A Consensus Statement From an International Expert Panel. <i>Diabetes</i> , 2020 , 69, 2037-2047	0.9	43
50	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019 , 10, 4957	17.4	40
49	Overweight, obesity and the risk of LADA: results from a Swedish case-control study and the Norwegian HUNT Study. <i>Diabetologia</i> , 2018 , 61, 1333-1343	10.3	39
48	GAD antibody positivity predicts type 2 diabetes in an adult population. <i>Diabetes</i> , 2010 , 59, 416-22	0.9	37
47	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
46	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021 , 12, 24	17.4	30
45	1-Hour Post-OGTT Glucose Improves the Early Prediction of Type 2 Diabetes by Clinical and Metabolic Markers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 1131-1140	5.6	27
44	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	3.6	27
43	Genetic determinants of circulating GIP and GLP-1 concentrations. <i>JCI Insight</i> , 2017 , 2,	9.9	27

42	Obstructive sleep apnoea and the risk for coronary heart disease and type 2 diabetes: a longitudinal population-based study in Finland. <i>BMJ Open</i> , 2018 , 8, e022752	3	27
41	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	6.5	25
40	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , 2017 , 4, 170179	8.2	22
39	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, 710-20	11	19
38	Smoking and the Risk of LADA: Results From a Swedish Population-Based Case-Control Study. <i>Diabetes Care</i> , 2016 , 39, 794-800	14.6	19
37	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	4.1	18
36	Fine-mapping of an expanded set of type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps		18
35	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, 251-8	3	17
34	Genetic analysis of obstructive sleep apnoea discovers a strong association with cardiometabolic health. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	17
33	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	5.6	16
32	Genetic Discrimination Between LADA and Childhood-Onset Type 1 Diabetes Within the MHC. <i>Diabetes Care</i> , 2020 , 43, 418-425	14.6	15
31	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, 2525-32	10.3	11
30	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	6.5	11
29	FinnGen: Unique genetic insights from combining isolated population and national health register data		11
28	Clusters provide a better holistic view of type 2 diabetes than simple clinical features. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 668-669	18.1	10
27	Glucose-dependent insulinotropic peptide and risk of cardiovascular events and mortality: a prospective study. <i>Diabetologia</i> , 2020 , 63, 1043-1054	10.3	10
26	Trans-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation		10
25	Biliary Anomalies in Patients With HNF1B Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2075-2082	5.6	9

24	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	14.6	9
23	Genome-wide association analyses highlight etiological differences underlying newly defined subtypes of diabetes. <i>Nature Genetics</i> , 2021 , 53, 1534-1542	36.3	7
22	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	16.4	7
21	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. <i>Nature Genetics</i> , 2022 ,	36.3	7
20	The associations of daylight and melatonin receptor 1B gene rs10830963 variant with glyceimic traits: the prospective PPP-Botnia study. <i>Annals of Medicine</i> , 2019 , 51, 58-67	1.5	6
19	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	6
18	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	14.6	6
17	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	10.3	5
16	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. <i>Nature Communications</i> , 2021 , 12, 3505	17.4	5
15	How Communicating Polygenic and Clinical Risk for Atherosclerotic Cardiovascular Disease Impacts Health Behavior: an Observational Follow-up Study.. <i>Circulation Genomic and Precision Medicine</i> , 2022 , CIRCGEN121003459	5.2	4
14	Islet Gene View - a tool to facilitate islet research		4
13	Genotypes of HLA, TCF7L2, and FTO as potential modifiers of the association between sweetened beverage consumption and risk of LADA and type 2 diabetes. <i>European Journal of Nutrition</i> , 2020 , 59, 127-135	5.2	4
12	Human Physiology of Genetic Defects Causing Beta-cell Dysfunction. <i>Journal of Molecular Biology</i> , 2020 , 432, 1579-1598	6.5	3
11	Melatonin receptor 1B gene rs10830963 polymorphism, depressive symptoms and glycaemic traits. <i>Annals of Medicine</i> , 2018 , 50, 704-712	1.5	3
10	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion		3
9	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,	5.6	3
8	Novel diabetes subgroups - AuthorsWepley. <i>Lancet Diabetes and Endocrinology,the</i> , 2018 , 6, 440-441	18.1	3
7	Aetiological differences between novel subtypes of diabetes derived from genetic associations		2

6	Intrauterine hyperglycemia modifying the development of (monogenic) diabetes?. <i>Diabetes Care</i> , 2003 , 26, 1295-6	14.6	1
5	A Web Portal for Communicating Polygenic Risk Score Results for Health Care Use-The P5 Study. <i>Frontiers in Genetics</i> , 2021 , 12, 763159	4.5	1
4	Low-cost exercise interventions improve long-term cardiometabolic health independently of a family history of type 2 diabetes: a randomized parallel group trial. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	1
3	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	7.4	1
2	Saving time by replacing the standardised two-hour oral glucose tolerance test with a one-hour test: Validation of a new screening algorithm in patients with coronary artery disease from the ESC-EORP EUROASPIRE V registry. <i>Diabetes Research and Clinical Practice</i> , 2021 , 183, 109156	7.4	0
1	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	6.7	0