

# Tuomas O. Kilpeläinen

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

12,297  
citations

81889

39  
h-index

34984

98  
g-index

108  
all docs

108  
docs citations

108  
times ranked

20665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010, 42, 937-948.	21.4	2,634
2	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010, 467, 832-838.	27.8	1,789
3	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, 949-960.	21.4	836
4	The Metabochip, a Custom Genotyping Array for Genetic Studies of Metabolic, Cardiovascular, and Anthropometric Traits. <i>PLoS Genetics</i> , 2012, 8, e1002793.	3.5	448
5	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.	8.4	446
6	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , 2010, 42, 1077-1085.	21.4	445
7	Quality control and conduct of genome-wide association meta-analyses. <i>Nature Protocols</i> , 2014, 9, 1192-1212.	12.0	398
8	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
9	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.	3.5	331
10	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. <i>Nature Genetics</i> , 2013, 45, 76-82.	21.4	293
11	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , 2011, 43, 753-760.	21.4	289
12	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016, 7, 10495.	12.8	245
13	Association of genetic variation in FTO with risk of obesity and type 2 diabetes with data from 96,551 East and South Asians. <i>Diabetologia</i> , 2012, 55, 981-995.	6.3	171
14	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017, 8, 14977.	12.8	169
15	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017, 13, e1006528.	3.5	158
16	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , 2016, 7, 10494.	12.8	153
17	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. <i>Nature Communications</i> , 2017, 8, 80.	12.8	147
18	FTO genetic variants, dietary intake and body mass index: insights from 177 330 individuals. <i>Human Molecular Genetics</i> , 2014, 23, 6961-6972.	2.9	143

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19	Whole-Exome Sequencing of 2,000 Danish Individuals and the Role of Rare Coding Variants in Type 2 Diabetes. <i>American Journal of Human Genetics</i> , 2013, 93, 1072-1086.	6.2	124
20	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , 2018, 102, 375-400.	6.2	123
21	Obesity, unfavourable lifestyle and genetic risk of type 2 diabetes: a case-cohort study. <i>Diabetologia</i> , 2020, 63, 1324-1332.	6.3	121
22	Genetic evidence of a causal effect of insulin resistance on branched-chain amino acid levels. <i>Diabetologia</i> , 2017, 60, 873-878.	6.3	119
23	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019, 51, 636-648.	21.4	112
24	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 317-338.	1.1	107
25	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	6.2	106
26	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , 2018, 13, e0198166.	2.5	94
27	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019, 188, 1033-1054.	3.4	85
28	Genomewide meta-analysis identifies loci associated with <i>IGF</i> and <i>IGFBP</i> levels with impact on age-related traits. <i>Aging Cell</i> , 2016, 15, 811-824.	6.7	83
29	Dairy consumption, systolic blood pressure, and risk of hypertension: Mendelian randomization study. <i>BMJ: British Medical Journal</i> , 2017, 356, j1000.	2.3	82
30	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. <i>Nature Medicine</i> , 2019, 25, 507-516.	30.7	79
31	Assessment of body composition by dual-energy X-ray absorptiometry, bioimpedance analysis and anthropometrics in children: the Physical Activity and Nutrition in Children study. <i>Clinical Physiology and Functional Imaging</i> , 2015, 35, 21-33.	1.2	78
32	Dietary Intake, <i>FTO</i> Genetic Variants, and Adiposity: A Combined Analysis of Over 16,000 Children and Adolescents. <i>Diabetes</i> , 2015, 64, 2467-2476.	0.6	74
33	Genome-wide discovery of genetic loci that uncouple excess adiposity from its comorbidities. <i>Nature Metabolism</i> , 2021, 3, 228-243.	11.9	70
34	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	12.8	64
35	Association of variants in the <i>PCSK1</i> gene with obesity in the EPIC-Norfolk study. <i>Human Molecular Genetics</i> , 2009, 18, 3496-3501.	2.9	63
36	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. <i>Nature Communications</i> , 2019, 10, 5121.	12.8	62

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37	Epidemiological studies of exercise in diabetes prevention. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 583-595.	1.9	58
38	Obesity-susceptibility loci have a limited influence on birth weight: a meta-analysis of up to 28,219 individuals. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 851-860.	4.7	58
39	Contribution of common non-synonymous variants in PCSK1 to body mass index variation and risk of obesity: a systematic review and meta-analysis with evidence from up to 331 175 individuals. <i>Human Molecular Genetics</i> , 2015, 24, 3582-3594.	2.9	53
40	Genes that make you fat, but keep you healthy. <i>Journal of Internal Medicine</i> , 2018, 284, 450-463.	6.0	48
41	SNPs in PPARC Associate with Type 2 Diabetes and Interact with Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 25-33.	0.4	42
42	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits. <i>JAMA Network Open</i> , 2019, 2, e1910915.	5.9	41
43	Longitudinal associations of physical activity and sedentary time with cardiometabolic risk factors in children. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 113-123.	2.9	41
44	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, 428-436.	3.4	40
45	Physical activity modifies the effect of SNPs in the SLC2A2 (GLUT2) and ABCC8 (SUR1) genes on the risk of developing type 2 diabetes. <i>Physiological Genomics</i> , 2007, 31, 264-272.	2.3	39
46	SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 981-994.	6.1	39
47	Evidence of genetic predisposition for metabolically healthy obesity and metabolically obese normal weight. <i>Physiological Genomics</i> , 2018, 50, 169-178.	2.3	38
48	Disentangling the genetics of lean mass. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 276-287.	4.7	38
49	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. <i>Clinical Chemistry</i> , 2018, 64, 183-191.	3.2	34
50	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019, 28, 2615-2633.	2.9	31
51	A novel rare CUBN variant and three additional genes identified in Europeans with and without diabetes: results from an exome-wide association study of albuminuria. <i>Diabetologia</i> , 2019, 62, 292-305.	6.3	29
52	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. <i>BMJ: British Medical Journal</i> , 2019, 366, l4292.	2.3	28
53	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. <i>Diabetes</i> , 2020, 69, 2806-2818.	0.6	26
54	Ranking and characterization of established BMI and lipid associated loci as candidates for gene-environment interactions. <i>PLoS Genetics</i> , 2017, 13, e1006812.	3.5	24

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55	Cell-free DNA and RNA measurement and applications in clinical diagnostics with focus on metabolic disorders. <i>Physiological Genomics</i> , 2021, 53, 33-46.	2.3	23
56	Abdominal adiposity and cardiometabolic risk factors in children and adolescents: a Mendelian randomization analysis. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 1079-1087.	4.7	22
57	Editorial: Novel Biomarkers for Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2019, 10, 649.	3.5	22
58	A 2-year physical activity and dietary intervention attenuates the increase in insulin resistance in a general population of children: the PANIC study. <i>Diabetologia</i> , 2020, 63, 2270-2281.	6.3	22
59	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. <i>American Journal of Human Genetics</i> , 2019, 105, 15-28.	6.2	21
60	Dairy Intake and Body Composition and Cardiometabolic Traits among Adults: Mendelian Randomization Analysis of 182041 Individuals from 18 Studies. <i>Clinical Chemistry</i> , 2019, 65, 751-760.	3.2	20
61	Genetic Correlation between Body Fat Percentage and Cardiorespiratory Fitness Suggests Common Genetic Etiology. <i>PLoS ONE</i> , 2016, 11, e0166738.	2.5	18
62	Do gene-environment interactions have implications for the precision prevention of type 2 diabetes?. <i>Diabetologia</i> , 2022, 65, 1804-1813.	6.3	18
63	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , 2020, 26, 2111-2125.	7.9	17
64	The Genetic Basis of Hypertriglyceridemia. <i>Current Atherosclerosis Reports</i> , 2021, 23, 39.	4.8	17
65	Mendelian randomization suggests a bidirectional, causal relationship between physical inactivity and adiposity. <i>ELife</i> , 2022, 11, .	6.0	17
66	Evidence for shared genetics between physical activity, sedentary behaviour and adiposity-related traits. <i>Obesity Reviews</i> , 2021, 22, e13182.	6.5	16
67	The rs1800629 Polymorphism in the TNF Gene Interacts with Physical Activity on the Changes in C-reactive Protein Levels in the Finnish Diabetes Prevention Study. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010, 118, 757-759.	1.2	14
68	Genetic predisposition to adiposity is associated with increased objectively assessed sedentary time in young children. <i>International Journal of Obesity</i> , 2018, 42, 111-114.	3.4	14
69	Association of alcohol consumption with allergic disease and asthma: a multi-centre Mendelian randomization analysis. <i>Addiction</i> , 2019, 114, 216-225.	3.3	14
70	Gene-Physical Activity Interactions and Their Impact on Diabetes. <i>Medicine and Sport Science</i> , 2014, 60, 94-103.	1.4	13
71	Multi-ancestry genome-wide gene-sleep interactions identify novel loci for blood pressure. <i>Molecular Psychiatry</i> , 2021, 26, 6293-6304.	7.9	13
72	Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. <i>Communications Biology</i> , 2021, 4, 1064.	4.4	13

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73	Epigenetic rewiring of skeletal muscle enhancers after exercise training supports a role in whole-body function and human health. <i>Molecular Metabolism</i> , 2021, 53, 101290.	6.5	13
74	Longitudinal and cross-sectional associations of adherence to 24-hour movement guidelines with cardiometabolic risk. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 255-266.	2.9	10
75	Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700347.	3.3	9
76	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. <i>European Journal of Epidemiology</i> , 2020, 35, 685-697.	5.7	9
77	Replacing Red Meat with Other Nonmeat Food Sources of Protein is Associated with a Reduced Risk of Type 2 Diabetes in a Danish Cohort of Middle-Aged Adults. <i>Journal of Nutrition</i> , 2021, 151, 1241-1248.	2.9	9
78	Abdominal and gluteofemoral fat depots show opposing associations with postprandial lipemia. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1467-1475.	4.7	9
79	Increase in adiposity from childhood to adulthood predicts a metabolically obese phenotype in normal-weight adults. <i>International Journal of Obesity</i> , 2020, 44, 848-851.	3.4	7
80	Changes in intake of dairy product subgroups and risk of type 2 diabetes: modelling specified food substitutions in the Danish Diet, Cancer and Health cohort. <i>European Journal of Nutrition</i> , 2021, 60, 3449-3459.	3.9	7
81	The effects of a 2-year physical activity and dietary intervention on plasma lipid concentrations in children: the PANIC Study. <i>European Journal of Nutrition</i> , 2021, 60, 425-434.	3.9	6
82	Genetic predisposition to higher body fat yet lower cardiometabolic risk in children and adolescents. <i>International Journal of Obesity</i> , 2019, 43, 2007-2016.	3.4	5
83	Dietary Fat and the Genetic Risk of Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2019, 19, 109.	4.2	5
84	Association of milk intake with hay fever, asthma, and lung function: a Mendelian randomization analysis. <i>European Journal of Epidemiology</i> , 2022, 37, 713-722.	5.7	4
85	Genome-wide association studies and resting heart rate. <i>Journal of Electrocardiology</i> , 2016, 49, 860-863.	0.9	3
86	PPARG Pro12Ala Ala carriers exhibit greater improvements in peripheral insulin sensitivity in response to 12 weeks of aerobic exercise training. <i>Physiological Genomics</i> , 2019, 51, 254-260.	2.3	3
87	Genetic variation, adipokines, and cardiometabolic disease. <i>Current Opinion in Pharmacology</i> , 2020, 52, 33-39.	3.5	3
88	The Promise of Selecting Individuals from the Extremes of Exposure in the Analysis of Gene-Physical Activity Interactions. <i>Human Heredity</i> , 2018, 83, 315-332.	0.8	2
89	Multi-ancestry genome-wide association study accounting for gene-psychosocial factor interactions identifies novel loci for blood pressure traits. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100013.	1.7	2
90	Common Sources of Bias in Gene-Lifestyle Interaction Studies of Cardiometabolic Disease. <i>Current Nutrition Reports</i> , 2013, 2, 251-257.	4.3	1

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91	FGL1 as a modulator of plasma Dâ€dimer levels: Exomeâ€wide marker analysis of plasma tPA, PAIâ€1, and Dâ€dimer. Journal of Thrombosis and Haemostasis, 2021, 19, 2019-2028.	3.8	1
92	Do genetic risk scores for childhood adiposity operate independent of BMI of their mothers?. International Journal of Obesity, 2021, 45, 2006-2015.	3.4	1
93	The Arg82Cys Polymorphism of the Protein Nepmucin Implies a Role in HDL Metabolism. Journal of the Endocrine Society, 2022, 6, bvac034.	0.2	1
94	Genome-wide association studies of body mass index. , 0, , 69-78.		0
95	Genome-Wide Association Studies (GWAS) of Adiposity. , 2016, , 91-109.		0
96	Dietary Fat Quality and Genetic Risk of Type 2 Diabetes. Diabetes, 2018, 67, .	0.6	0