Tuomas O. KilpelÃ¤inen

List of Publications by Year
in descending order

96 papers	12,297 citations	81900 39 h-index	34986 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. Nature Genetics, 2010, 42, 937-948.	21.4	2,634
2	Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature, 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. Nature Genetics, 2010, 42, 949-960.	21.4	836
4	The Metabochip, a Custom Genotyping Array for Genetic Studies of Metabolic, Cardiovascular, and Anthropometric Traits. PLoS Genetics, 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. PLoS Medicine, 2011, 8, e1001116.	8.4	446
6	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. Nature Genetics, 2010, 42, 1077-1085.	21.4	445
7	Quality control and conduct of genome-wide association meta-analyses. Nature Protocols, 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. PLoS Genetics, 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. PLoS Genetics, 2015, 11, e1005378.	3.5	331
10	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. Nature Genetics, 2013, 45, 76-82.	21.4	293
11	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. Nature Genetics, 2011, 43, 753-760.	21.4	289
12	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. Nature Communications, 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. Diabetologia, 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. Nature Communications, 2017, 8, 14977.	12.8	169
15	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	3.5	158
16	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. Nature Communications, 2016, 7, 10494.	12.8	153
17	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. Nature Communications, 2017, 8, 80.	12.8	147
18	FTO genetic variants, dietary intake and body mass index: insights from 177 330 individuals. Human Molecular Genetics, 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. American Journal of Human Genetics, 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. American Journal of Human Genetics, 2018, 102, 375-400.	6.2	123
21	Obesity, unfavourable lifestyle and genetic risk of type 2 diabetes: a case-cohort study. Diabetologia, 2020, 63, 1324-1332.	6.3	121
22	Genetic evidence of a causal effect of insulin resistance on branched-chain amino acid levels. Diabetologia, 2017, 60, 873-878.	6.3	119
23	Multi-ancestry genome-wide geneâ€“smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. Nature Genetics, 2019, 51, 636-648.	21.4	112
24	Pleiotropic genes for metabolic syndrome and inflammation. Molecular Genetics and Metabolism, 2014, 112, 317-338.	1.1	107
25	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 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. PLoS ONE, 2018, 13, e0198166.	2.5	94
27	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. American Journal of Epidemiology, 2019, 188, 1033-1054.	3.4	85
28	Genomewide metaâ€analysis identifies loci associated with <scp>IGF</scp> â€I and <scp>IGFBP</scp> â€3 levels with impact on ageâ€related traits. Aging Cell, 2016, 15, 811-824.	6.7	83
29	Dairy consumption, systolic blood pressure, and risk of hypertension: Mendelian randomization study. BMJ: British Medical Journal, 2017, 356, j1000.	2.3	82
30	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. Nature Medicine, 2019, 25, 507-516.	30.7	79
31	Assessment of body composition by dualâ€energy <scp>X</scp>â€ray absorptiometry, bioimpedance analysis and anthropometrics in children: the <scp>P</scp>hysical <scp>A</scp>ctivity and <scp>N</scp>utrition in <scp>C</scp>hildren study. Clinical Physiology and Functional Imaging, 2015, 35, 21-33.	1.2	78
32	Dietary Intake, FTO Genetic Variants, and Adiposity: A Combined Analysis of Over 16,000 Children and Adolescents. Diabetes, 2015, 64, 2467-2476.	0.6	74
33	Genome-wide discovery of genetic loci that uncouple excess adiposity from its comorbidities. Nature Metabolism, 2021, 3, 228-243.	11.9	70
34	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. Nature Communications, 2019, 10, 376.	12.8	64
35	Association of variants in the PCSK1 gene with obesity in the EPIC-Norfolk study. Human Molecular Genetics, 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. Nature Communications, 2019, 10, 5121.	12.8	62

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37	Epidemiological studies of exercise in diabetes prevention. Applied Physiology, Nutrition and Metabolism, 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. American Journal of Clinical Nutrition, 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. Human Molecular Genetics, 2015, 24, 3582-3594.	2.9	53
40	Genes that make you fat, but keep you healthy. Journal of Internal Medicine, 2018, 284, 450-463.	6.0	48
41	SNPs in PPARG Associate with Type 2 Diabetes and Interact with Physical Activity. Medicine and Science in Sports and Exercise, 2008, 40, 25-33.	0.4	42
42	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits. JAMA Network Open, 2019, 2, e1910915.	5.9	41
43	Longitudinal associations of physical activity and sedentary time with cardiometabolic risk factors in children. Scandinavian Journal of Medicine and Science in Sports, 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. Metabolism: Clinical and Experimental, 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. Physiological Genomics, 2007, 31, 264-272.	2.3	39
46	SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. Journal of the American Society of Nephrology: JASN, 2017, 28, 981-994.	6.1	39
47	Evidence of genetic predisposition for metabolically healthy obesity and metabolically obese normal weight. Physiological Genomics, 2018, 50, 169-178.	2.3	38
48	Disentangling the genetics of lean mass. American Journal of Clinical Nutrition, 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. Clinical Chemistry, 2018, 64, 183-191.	3.2	34
50	A multi-ancestry genome-wide study incorporating geneâ€“smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. Human Molecular Genetics, 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. Diabetologia, 2019, 62, 292-305.	6.3	29
52	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. BMJ: British Medical Journal, 2019, 366, l4292.	2.3	28
53	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. Diabetes, 2020, 69, 2806-2818.	0.6	26
54	Ranking and characterization of established BMI and lipid associated loci as candidates for gene-environment interactions. PLoS Genetics, 2017, 13, e1006812.	3.5	24

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55	Cell-free DNA and RNAâ€"measurement and applications in clinical diagnostics with focus on metabolic disorders. Physiological Genomics, 2021, 53, 33-46.	2.3	23
56	Abdominal adiposity and cardiometabolic risk factors in children and adolescents: a Mendelian randomization analysis. American Journal of Clinical Nutrition, 2019, 110, 1079-1087.	4.7	22
57	Editorial: Novel Biomarkers for Type 2 Diabetes. Frontiers in Endocrinology, 2019, 10, 649.	3.5	22
58	A 2Âyear physical activity and dietary intervention attenuates the increase in insulin resistance in a general population of children: the PANIC study. Diabetologia, 2020, 63, 2270-2281.	6.3	22
59	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. American Journal of Human Genetics, 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. Clinical Chemistry, 2019, 65, 751-760.	3.2	20
61	Genetic Correlation between Body Fat Percentage and Cardiorespiratory Fitness Suggests Common Genetic Etiology. PLoS ONE, 2016, 11, e0166738.	2.5	18
62	Do geneâ€"environment interactions have implications for the precision prevention of type 2 diabetes?. Diabetologia, 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. Molecular Psychiatry, 2020, 26, 2111-2125.	7.9	17
64	The Genetic Basis of Hypertriglyceridemia. Current Atherosclerosis Reports, 2021, 23, 39.	4.8	17
65	Mendelian randomization suggests a bidirectional, causal relationship between physical inactivity and adiposity. ELife, 2022, 11, .	6.0	17
66	Evidence for shared genetics between physical activity, sedentary behaviour and adiposityâ€related traits. Obesity Reviews, 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. Experimental and Clinical Endocrinology and Diabetes, 2010, 118, 757-759.	1.2	14
68	Genetic predisposition to adiposity is associated with increased objectively assessed sedentary time in young children. International Journal of Obesity, 2018, 42, 111-114.	3.4	14
69	Association of alcohol consumption with allergic disease and asthma: a multiâ€centre Mendelian randomization analysis. Addiction, 2019, 114, 216-225.	3.3	14
70	Gene-Physical Activity Interactions and Their Impact on Diabetes. Medicine and Sport Science, 2014, 60, 94-103.	1.4	13
71	Multi-ancestry genome-wide geneâ€"sleep interactions identify novel loci for blood pressure. Molecular Psychiatry, 2021, 26, 6293-6304.	7.9	13
72	Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. Communications Biology, 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. Molecular Metabolism, 2021, 53, 101290.	6.5	13
74	Longitudinal and crossâ€sectional associations of adherence to 24â€hour movement guidelines with cardiometabolic risk. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 255-266.	2.9	10
75	Genomeâ€Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. Molecular Nutrition and Food Research, 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. European Journal of Epidemiology, 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. Journal of Nutrition, 2021, 151, 1241-1248.	2.9	9
78	Abdominal and gluteofemoral fat depots show opposing associations with postprandial lipemia. American Journal of Clinical Nutrition, 2021, 114, 1467-1475.	4.7	9
79	Increase in adiposity from childhood to adulthood predicts a metabolically obese phenotype in normal-weight adults. International Journal of Obesity, 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. European Journal of Nutrition, 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. European Journal of Nutrition, 2021, 60, 425-434.	3.9	6
82	Genetic predisposition to higher body fat yet lower cardiometabolic risk in children and adolescents. International Journal of Obesity, 2019, 43, 2007-2016.	3.4	5
83	Dietary Fat and the Genetic Risk of Type 2 Diabetes. Current Diabetes Reports, 2019, 19, 109.	4.2	5
84	Association of milk intake with hay fever, asthma, and lung function: a Mendelian randomization analysis. European Journal of Epidemiology, 2022, 37, 713-722.	5.7	4
85	Genome-wide association studies and resting heart rate. Journal of Electrocardiology, 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. Physiological Genomics, 2019, 51, 254-260.	2.3	3
87	Genetic variation, adipokines, and cardiometabolic disease. Current Opinion in Pharmacology, 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. Human Heredity, 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. Human Genetics and Genomics Advances, 2021, 2, 100013.	1.7	2
90	Common Sources of Bias in Geneâ€“Lifestyle Interaction Studies of Cardiometabolic Disease. Current Nutrition Reports, 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