

Tuomas O. Kilpeläinen

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

12,297
citations

93792

39
h-index

39744

98
g-index

108
all docs

108
docs citations

108
times ranked

22773
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.3	10
2	Do gene-environment interactions have implications for the precision prevention of type 2 diabetes?. <i>Diabetologia</i> , 2022, 65, 1804-1813.	2.9	18
3	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.	2.5	4
4	The Arg82Cys Polymorphism of the Protein Nepmucin Implies a Role in HDL Metabolism. <i>Journal of the Endocrine Society</i> , 2022, 6, bvac034.	0.1	1
5	Mendelian randomization suggests a bidirectional, causal relationship between physical inactivity and adiposity. <i>ELife</i> , 2022, 11, .	2.8	17
6	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.	1.8	6
7	Cell-free DNA and RNA measurement and applications in clinical diagnostics with focus on metabolic disorders. <i>Physiological Genomics</i> , 2021, 53, 33-46.	1.0	23
8	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.	1.0	2
9	Genome-wide discovery of genetic loci that uncouple excess adiposity from its comorbidities. <i>Nature Metabolism</i> , 2021, 3, 228-243.	5.1	70
10	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.	1.8	7
11	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.	1.3	9
12	Multi-ancestry genome-wide gene-sleep interactions identify novel loci for blood pressure. <i>Molecular Psychiatry</i> , 2021, 26, 6293-6304.	4.1	13
13	FGL1 as a modulator of plasma D-dimer levels: Exome-wide marker analysis of plasma tPA, PAI-1, and D-dimer. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2019-2028.	1.9	1
14	Do genetic risk scores for childhood adiposity operate independent of BMI of their mothers?. <i>International Journal of Obesity</i> , 2021, 45, 2006-2015.	1.6	1
15	The Genetic Basis of Hypertriglyceridemia. <i>Current Atherosclerosis Reports</i> , 2021, 23, 39.	2.0	17
16	Abdominal and gluteofemoral fat depots show opposing associations with postprandial lipemia. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1467-1475.	2.2	9
17	Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. <i>Communications Biology</i> , 2021, 4, 1064.	2.0	13
18	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.	3.0	13

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19	Evidence for shared genetics between physical activity, sedentary behaviour and adiposity-related traits. <i>Obesity Reviews</i> , 2021, 22, e13182.	3.1	16
20	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.	1.6	7
21	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.	2.9	22
22	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. <i>Diabetes</i> , 2020, 69, 2806-2818.	0.3	26
23	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.	4.1	17
24	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.	2.5	9
25	Genetic variation, adipokines, and cardiometabolic disease. <i>Current Opinion in Pharmacology</i> , 2020, 52, 33-39.	1.7	3
26	Obesity, unfavourable lifestyle and genetic risk of type 2 diabetes: a case-cohort study. <i>Diabetologia</i> , 2020, 63, 1324-1332.	2.9	121
27	Genetic predisposition to higher body fat yet lower cardiometabolic risk in children and adolescents. <i>International Journal of Obesity</i> , 2019, 43, 2007-2016.	1.6	5
28	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.	2.4	28
29	Disentangling the genetics of lean mass. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 276-287.	2.2	38
30	Dietary Fat and the Genetic Risk of Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2019, 19, 109.	1.7	5
31	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.	5.8	62
32	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.	2.2	22
33	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits. <i>JAMA Network Open</i> , 2019, 2, e1910915.	2.8	41
34	Editorial: Novel Biomarkers for Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2019, 10, 649.	1.5	22
35	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019, 188, 1033-1054.	1.6	85
36	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	5.8	64

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37	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. <i>American Journal of Human Genetics</i> , 2019, 105, 15-28.	2.6	21
38	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.	1.5	20
39	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.	1.0	3
40	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. <i>Nature Medicine</i> , 2019, 25, 507-516.	15.2	79
41	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.	1.4	31
42	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.	9.4	112
43	Association of alcohol consumption with allergic disease and asthma: a multi-centre Mendelian randomization analysis. <i>Addiction</i> , 2019, 114, 216-225.	1.7	14
44	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.	2.9	29
45	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	2.6	106
46	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.	1.3	41
47	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.	2.6	123
48	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.	1.6	14
49	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.	1.5	9
50	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.	1.5	34
51	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.	0.4	2
52	Evidence of genetic predisposition for metabolically healthy obesity and metabolically obese normal weight. <i>Physiological Genomics</i> , 2018, 50, 169-178.	1.0	38
53	Genes that make you fat, but keep you healthy. <i>Journal of Internal Medicine</i> , 2018, 284, 450-463.	2.7	48
54	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.	1.1	94

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55	Dietary Fat Quality and Genetic Risk of Type 2 Diabetes. <i>Diabetes</i> , 2018, 67, .	0.3	0
56	Genetic evidence of a causal effect of insulin resistance on branched-chain amino acid levels. <i>Diabetologia</i> , 2017, 60, 873-878.	2.9	119
57	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.	5.8	169
58	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.	3.0	39
59	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. <i>Nature Communications</i> , 2017, 8, 80.	5.8	147
60	Dairy consumption, systolic blood pressure, and risk of hypertension: Mendelian randomization study. <i>BMJ: British Medical Journal</i> , 2017, 356, j1000.	2.4	82
61	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017, 13, e1006528.	1.5	158
62	Ranking and characterization of established BMI and lipid associated loci as candidates for gene-environment interactions. <i>PLoS Genetics</i> , 2017, 13, e1006812.	1.5	24
63	Genome-Wide Association Studies (GWAS) of Adiposity. , 2016, , 91-109.		0
64	Genomewide meta-analysis identifies loci associated with <sc>IGF</sc> â€• and <sc>IGFBP</sc> â€• levels with impact on age-related traits. <i>Aging Cell</i> , 2016, 15, 811-824.	3.0	83
65	Genome-wide association studies and resting heart rate. <i>Journal of Electrocardiology</i> , 2016, 49, 860-863.	0.4	3
66	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016, 7, 10495.	5.8	245
67	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , 2016, 7, 10494.	5.8	153
68	Genetic Correlation between Body Fat Percentage and Cardiorespiratory Fitness Suggests Common Genetic Etiology. <i>PLoS ONE</i> , 2016, 11, e0166738.	1.1	18
69	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.	1.5	331
70	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.	0.3	74
71	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.	1.4	53
72	Assessment of body composition by dual-energy <sc>X</sc>-ray absorptiometry, bioimpedance analysis and anthropometrics in children: the <sc>P</sc>hysical <sc>A</sc>ctivity and <sc>N</sc>utrition in <sc>C</sc>hildren study. <i>Clinical Physiology and Functional Imaging</i> , 2015, 35, 21-33.	0.5	78

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73	Gene-Physical Activity Interactions and Their Impact on Diabetes. <i>Medicine and Sport Science</i> , 2014, 60, 94-103.	1.4	13
74	FTO genetic variants, dietary intake and body mass index: insights from 177 330 individuals. <i>Human Molecular Genetics</i> , 2014, 23, 6961-6972.	1.4	143
75	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 317-338.	0.5	107
76	Quality control and conduct of genome-wide association meta-analyses. <i>Nature Protocols</i> , 2014, 9, 1192-1212.	5.5	398
77	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.	2.6	124
78	Common Sources of Bias in Gene-Lifestyle Interaction Studies of Cardiometabolic Disease. <i>Current Nutrition Reports</i> , 2013, 2, 251-257.	2.1	1
79	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.	1.5	371
80	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.	9.4	293
81	The Metabochip, a Custom Genotyping Array for Genetic Studies of Metabolic, Cardiovascular, and Anthropometric Traits. <i>PLoS Genetics</i> , 2012, 8, e1002793.	1.5	448
82	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.	2.9	171
83	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , 2011, 43, 753-760.	9.4	289
84	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.	2.2	58
85	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.	3.9	446
86	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010, 467, 832-838.	13.7	1,789
87	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.	9.4	836
88	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010, 42, 937-948.	9.4	2,634
89	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.	9.4	445
90	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.	0.6	14

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91	Association of variants in the PCSK1 gene with obesity in the EPIC-Norfolk study. <i>Human Molecular Genetics</i> , 2009, 18, 3496-3501.	1.4	63
92	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.	1.5	40
93	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.	0.2	42
94	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.	1.0	39
95	Epidemiological studies of exercise in diabetes prevention. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 583-595.	0.9	58
96	Genome-wide association studies of body mass index. , 0, , 69-78.		0