

Antti J Kangas

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

12,808
citations

41344

49
h-index

34986

98
g-index

108
all docs

108
docs citations

108
times ranked

19543
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic and observational evidence: No independent role for cholesterol efflux over static high-density lipoprotein concentration measures in coronary heart disease risk assessment. <i>Journal of Internal Medicine</i> , 2022, 292, 146-153.	6.0	6
2	HDL-Mediated Cholesterol Efflux Associates with Incident Kidney Disease. <i>Clinical Chemistry</i> , 2021, 67, 689-691.	3.2	0
3	EpiMetal: an open-source graphical web browser tool for easy statistical analyses in epidemiology and metabolomics. <i>International Journal of Epidemiology</i> , 2020, 49, 1075-1081.	1.9	3
4	Metabolic Profiles Help Discriminate Mild Cognitive Impairment from Dementia Stage in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 277-286.	2.6	13
5	Low Serum High-Density Lipoprotein Cholesterol Levels Associate with the C9orf72 Repeat Expansion in Frontotemporal Lobar Degeneration Patients. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 127-137.	2.6	13
6	Direct Estimation of HDL-Mediated Cholesterol Efflux Capacity from Serum. <i>Clinical Chemistry</i> , 2019, 65, 1042-1050.	3.2	17
7	Association of branched-chain amino acids and other circulating metabolites with risk of incident dementia and Alzheimer's disease: A prospective study in eight cohorts. <i>Alzheimer's and Dementia</i> , 2018, 14, 723-733.	0.8	182
8	Identification of seven novel loci associated with amino acid levels using single-variant and gene-based tests in 8545 Finnish men from the METSIM study. <i>Human Molecular Genetics</i> , 2018, 27, 1664-1674.	2.9	30
9	NAFLD risk alleles in PNPLA3, TM6SF2, GCKR and LYPLAL1 show divergent metabolic effects. <i>Human Molecular Genetics</i> , 2018, 27, 2214-2223.	2.9	95
10	Effect of Dietary Counseling on a Comprehensive Metabolic Profile from Childhood to Adulthood. <i>Journal of Pediatrics</i> , 2018, 195, 190-198.e3.	1.8	25
11	Nuclear magnetic resonance-based metabolomics identifies phenylalanine as a novel predictor of incident heart failure hospitalisation: results from PROSPER and FINRISK 1997. <i>European Journal of Heart Failure</i> , 2018, 20, 663-673.	7.1	47
12	Association of circulating metabolites with healthy diet and risk of cardiovascular disease: analysis of two cohort studies. <i>Scientific Reports</i> , 2018, 8, 8620.	3.3	61
13	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. <i>Genome Biology</i> , 2017, 18, 70.	8.8	245
14	Experimental and Human Evidence for Lipocalin-2 (Neutrophil Gelatinase-Associated Lipocalin [NGAL]) in the Development of Cardiac Hypertrophy and Heart Failure. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	59
15	The biomarker and causal roles of homoarginine in the development of cardiometabolic diseases: an observational and Mendelian randomization analysis. <i>Scientific Reports</i> , 2017, 7, 1130.	3.3	18
16	Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Large-Scale Epidemiology: A Primer on -Omic Technologies. <i>American Journal of Epidemiology</i> , 2017, 186, 1084-1096.	3.4	380
17	Differential Associations of Inflammatory Markers With Insulin Sensitivity and Secretion: The Prospective METSIM Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3600-3609.	3.6	52
18	Trans-ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the ANGPTL8 HDL-C GWAS Locus. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3217-3227.	1.8	19

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19	DHA mediates the protective effect of fish consumption on new episodes of depression among women. <i>British Journal of Nutrition</i> , 2017, 118, 743-749.	2.3	6
20	Metabolic profiling of fatty liver in young and middle-aged adults: Cross-sectional and prospective analyses of the Young Finns Study. <i>Hepatology</i> , 2017, 65, 491-500.	7.3	83
21	An interaction map of circulating metabolites, immune gene networks, and their genetic regulation. <i>Genome Biology</i> , 2017, 18, 146.	8.8	46
22	Novel association of TM6SF2 rs58542926 genotype with increased serum tyrosine levels and decreased apoB-100 particles in Finns. <i>Journal of Lipid Research</i> , 2017, 58, 1471-1481.	4.2	49
23	Common, low-frequency, and rare genetic variants associated with lipoprotein subclasses and triglyceride measures in Finnish men from the METSIM study. <i>PLoS Genetics</i> , 2017, 13, e1007079.	3.5	49
24	Association of pre-pregnancy body mass index with offspring metabolic profile: Analyses of 3 European prospective birth cohorts. <i>PLoS Medicine</i> , 2017, 14, e1002376.	8.4	61
25	Blood hsa-miR-122-5p and hsa-miR-885-5p levels associate with fatty liver and related lipoprotein metabolism—The Young Finns Study. <i>Scientific Reports</i> , 2016, 6, 38262.	3.3	62
26	Metabolic Characterization of a Rare Genetic Variation Within <i>APOC3</i> and Its Lipoprotein Lipase-Independent Effects. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 231-239.	5.1	28
27	Effects of hormonal contraception on systemic metabolism: cross-sectional and longitudinal evidence. <i>International Journal of Epidemiology</i> , 2016, 45, 1445-1457.	1.9	62
28	Variant rs10911021 that associates with coronary heart disease in type 2 diabetes, is associated with lower concentrations of circulating HDL cholesterol and large HDL particles but not with amino acids. <i>Cardiovascular Diabetology</i> , 2016, 15, 115.	6.8	14
29	Metabolic signatures of birthweight in 18,288 adolescents and adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1539-1550.	1.9	41
30	Characterization of the metabolic profile associated with serum 25-hydroxyvitamin D: a cross-sectional analysis in population-based data. <i>International Journal of Epidemiology</i> , 2016, 45, 1469-1481.	1.9	19
31	Genome-wide study for circulating metabolites identifies 62 loci and reveals novel systemic effects of LPA. <i>Nature Communications</i> , 2016, 7, 11122.	12.8	576
32	Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. <i>Scientific Reports</i> , 2016, 6, 24828.	3.3	72
33	Metabolic profiling of alcohol consumption in 9778 young adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1493-1506.	1.9	90
34	Metabolic profiling of pregnancy: cross-sectional and longitudinal evidence. <i>BMC Medicine</i> , 2016, 14, 205.	5.5	150
35	Abdominal obesity and circulating metabolites: A twin study approach. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 111-121.	3.4	55
36	metaCCA: summary statistics-based multivariate meta-analysis of genome-wide association studies using canonical correlation analysis. <i>Bioinformatics</i> , 2016, 32, 1981-1989.	4.1	138

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37	Metabolomic Profiling of Statin Use and Genetic Inhibition of HMG-CoA Reductase. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1200-1210.	2.8	173
38	Longitudinal study of circulating oxidized LDL and HDL and fatty liver: the Cardiovascular Risk in Young Finns Study. <i>Free Radical Research</i> , 2016, 50, 396-404.	3.3	13
39	Sex hormone-binding globulin associations with circulating lipids and metabolites and the risk for type 2 diabetes: observational and causal effect estimates. <i>International Journal of Epidemiology</i> , 2015, 44, 623-637.	1.9	83
40	Multiple Hepatic Regulatory Variants at the GALNT2 GWAS Locus Associated with High-Density Lipoprotein Cholesterol. <i>American Journal of Human Genetics</i> , 2015, 97, 801-815.	6.2	49
41	Metabolite Profiling and Cardiovascular Event Risk. <i>Circulation</i> , 2015, 131, 774-785.	1.6	547
42	Epigenome-wide association of DNA methylation markers in peripheral blood from Indian Asians and Europeans with incident type 2 diabetes: a nested case-control study. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 526-534.	11.4	396
43	Multi-omic signature of body weight change: results from a population-based cohort study. <i>BMC Medicine</i> , 2015, 13, 48.	5.5	69
44	Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Cardiovascular Epidemiology and Genetics. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 192-206.	5.1	624
45	Ketone body production is differentially altered in steatosis and non-alcoholic steatohepatitis in obese humans. <i>Liver International</i> , 2015, 35, 1853-1861.	3.9	62
46	Associations of multiple lipoprotein and apolipoprotein measures with worsening of glycemia and incident type 2 diabetes in 6607 non-diabetic Finnish men. <i>Atherosclerosis</i> , 2015, 240, 272-277.	0.8	47
47	The Biomarker GlycA Is Associated with Chronic Inflammation and Predicts Long-Term Risk of Severe Infection. <i>Cell Systems</i> , 2015, 1, 293-301.	6.2	179
48	Effects of Whole Grain, Fish and Bilberries on Serum Metabolic Profile and Lipid Transfer Protein Activities: A Randomized Trial (Sysdimet). <i>PLoS ONE</i> , 2014, 9, e90352.	2.5	60
49	Assessing multivariate gene-metabolome associations with rare variants using Bayesian reduced rank regression. <i>Bioinformatics</i> , 2014, 30, 2026-2034.	4.1	28
50	Systemic metabolic markers and myocardial glucose uptake in type 2 diabetic and coronary artery disease patients treated for 16 weeks with rosiglitazone, a PPAR γ agonist. <i>Annals of Medicine</i> , 2014, 46, 18-23.	3.8	21
51	Metabolic Signatures of Adiposity in Young Adults: Mendelian Randomization Analysis and Effects of Weight Change. <i>PLoS Medicine</i> , 2014, 11, e1001765.	8.4	271
52	A Comparison of Anthropometric, Metabolic, and Reproductive Characteristics of Young Adult Women from Opposite-Sex and Same-Sex Twin Pairs. <i>Frontiers in Endocrinology</i> , 2014, 5, 28.	3.5	13
53	Lipoprotein subclass metabolism in nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2014, 55, 2676-2684.	4.2	59
54	Interactions between genetic variants and dietary lipid composition: effects on circulating LDL cholesterol in children. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 1569-1577.	4.7	5

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55	Biomarker Profiling by Nuclear Magnetic Resonance Spectroscopy for the Prediction of All-Cause Mortality: An Observational Study of 17,345 Persons. <i>PLoS Medicine</i> , 2014, 11, e1001606.	8.4	281
56	Cross-sectional and longitudinal associations of circulating omega-3 and omega-6 fatty acids with lipoprotein particle concentrations and sizes: population-based cohort study with 6-year follow-up. <i>Lipids in Health and Disease</i> , 2014, 13, 28.	3.0	10
57	Association between serum fatty acids and lipoprotein subclass profile in healthy young adults: Exploring common genetic and environmental factors. <i>Atherosclerosis</i> , 2014, 233, 394-402.	0.8	16
58	Effect of fatty and lean fish intake on lipoprotein subclasses in subjects with coronary heart disease: A controlled trial. <i>Journal of Clinical Lipidology</i> , 2014, 8, 126-133.	1.5	36
59	Blood microRNA profile associates with the levels of serum lipids and metabolites associated with glucose metabolism and insulin resistance and pinpoints pathways underlying metabolic syndrome. <i>Molecular and Cellular Endocrinology</i> , 2014, 391, 41-49.	3.2	65
60	A metabolic view on menopause and ageing. <i>Nature Communications</i> , 2014, 5, 4708.	12.8	196
61	Patients with type 1 diabetes show signs of vascular dysfunction in response to multiple high-fat meals. <i>Nutrition and Metabolism</i> , 2014, 11, 28.	3.0	17
62	Genome metabolome integrated network analysis to uncover connections between genetic variants and complex traits: an application to obesity. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130908.	3.4	20
63	Upstream Transcription Factor 1 (USF1) allelic variants regulate lipoprotein metabolism in women and USF1 expression in atherosclerotic plaque. <i>Scientific Reports</i> , 2014, 4, 4650.	3.3	20
64	Lipoprotein subclass profiles in young adults born preterm at very low birth weight. <i>Lipids in Health and Disease</i> , 2013, 12, 57.	3.0	22
65	Branched-Chain and Aromatic Amino Acids Are Predictors of Insulin Resistance in Young Adults. <i>Diabetes Care</i> , 2013, 36, 648-655.	8.6	441
66	Lipoprotein Subclass Profiling Reveals Pleiotropy in the Genetic Variants of Lipid Risk Factors for Coronary Heart Disease. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1906-1908.	2.8	52
67	Association of Ketone Body Levels With Hyperglycemia and Type 2 Diabetes in 9,398 Finnish Men. <i>Diabetes</i> , 2013, 62, 3618-3626.	0.6	105
68	Glycerol and Fatty Acids in Serum Predict the Development of Hyperglycemia and Type 2 Diabetes in Finnish Men. <i>Diabetes Care</i> , 2013, 36, 3732-3738.	8.6	133
69	Long-term Leisure-time Physical Activity and Serum Metabolome. <i>Circulation</i> , 2013, 127, 340-348.	1.6	193
70	Fetal growth, omega-3 (n ^ω -3) fatty acids, and progression of subclinical atherosclerosis: preventing fetal origins of disease? The Cardiovascular Risk in Young Finns Study. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 58-65.	4.7	45
71	Association of height and pubertal timing with lipoprotein subclass profile: Exploring the role of genetic and environmental effects. <i>American Journal of Human Biology</i> , 2013, 25, 465-472.	1.6	9
72	Effects of sea buckthorn and bilberry on serum metabolites differ according to baseline metabolic profiles in overweight women: a randomized crossover trial. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 941-951.	4.7	42

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73	Metabolic Signatures of Insulin Resistance in 7,098 Young Adults. <i>Diabetes</i> , 2012, 61, 1372-1380.	0.6	262
74	Novel Loci for Metabolic Networks and Multi-Tissue Expression Studies Reveal Genes for Atherosclerosis. <i>PLoS Genetics</i> , 2012, 8, e1002907.	3.5	171
75	Circulating Metabolite Predictors of Glycemia in Middle-Aged Men and Women. <i>Diabetes Care</i> , 2012, 35, 1749-1756.	8.6	184
76	Serum Omega-6 Polyunsaturated Fatty Acids and the Metabolic Syndrome: A Longitudinal Population-based Cohort Study. <i>American Journal of Epidemiology</i> , 2012, 176, 253-260.	3.4	36
77	Apolipoprotein B, oxidized low-density lipoprotein, and LDL particle size in predicting the incidence of metabolic syndrome: the Cardiovascular Risk in Young Finns study. <i>European Journal of Preventive Cardiology</i> , 2012, 19, 1296-1303.	1.8	18
78	Hyperglycemia and a Common Variant of <i>GCKR</i> Are Associated With the Levels of Eight Amino Acids in 9,369 Finnish Men. <i>Diabetes</i> , 2012, 61, 1895-1902.	0.6	251
79	High-throughput quantification of circulating metabolites improves prediction of subclinical atherosclerosis. <i>European Heart Journal</i> , 2012, 33, 2307-2316.	2.2	141
80	Weight change and lipoprotein particle concentration and particle size: A cohort study with 6.5-year follow-up. <i>Atherosclerosis</i> , 2012, 223, 239-243.	0.8	32
81	Quantitative high-throughput metabolomics: a new era in epidemiology and genetics. <i>Genome Medicine</i> , 2012, 4, 36.	8.2	40
82	Gender-Dependent Associations of Metabolite Profiles and Body Fat Distribution in a Healthy Population with Central Obesity: Towards Metabolomics Diagnostics. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 652-667.	2.0	61
83	Metabolic Diversity of Progressive Kidney Disease in 325 Patients with Type 1 Diabetes (the FinnDiane) Tj ETQq1 1 0,784314 rgBT /Over	3.7	68
84	Genome-wide association study identifies multiple loci influencing human serum metabolite levels. <i>Nature Genetics</i> , 2012, 44, 269-276.	21.4	516
85	Detailed metabolic and genetic characterization reveals new associations for 30 known lipid loci. <i>Human Molecular Genetics</i> , 2012, 21, 1444-1455.	2.9	89
86	Genome-Wide Screen for Metabolic Syndrome Susceptibility Loci Reveals Strong Lipid Gene Contribution But No Evidence for Common Genetic Basis for Clustering of Metabolic Syndrome Traits. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 242-249.	5.1	182
87	Sphingomyelin is associated with kidney disease in type 1 diabetes (The FinnDiane Study). <i>Metabolomics</i> , 2012, 8, 369-375.	3.0	67
88	Characterization of systemic metabolic phenotypes associated with subclinical atherosclerosis. <i>Molecular BioSystems</i> , 2011, 7, 385-393.	2.9	29
89	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011, 478, 103-109.	27.8	1,855
90	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011, 43, 1131-1138.	21.4	501

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91	Genome-wide association studies and systems biology: together at last. <i>Trends in Genetics</i> , 2011, 27, 493-498.	6.7	33
92	Evidence of How rs7575840 Influences Apolipoprotein Bâ€‘Containing Lipid Particles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1201-1207.	2.4	15
93	High serum adiponectin is associated with favorable lipoprotein subclass profile in 6.4-year follow-up. <i>European Journal of Endocrinology</i> , 2011, 164, 549-552.	3.7	14
94	Effects of 34 Risk Loci for Type 2 Diabetes or Hyperglycemia on Lipoprotein Subclasses and Their Composition in 6,580 Nondiabetic Finnish Men. <i>Diabetes</i> , 2011, 60, 1608-1616.	0.6	77
95	A Genome-Wide Screen for Interactions Reveals a New Locus on 4p15 Modifying the Effect of Waist-to-Hip Ratio on Total Cholesterol. <i>PLoS Genetics</i> , 2011, 7, e1002333.	3.5	29
96	A Differential Network Approach to Exploring Differences between Biological States: An Application to Prediabetes. <i>PLoS ONE</i> , 2011, 6, e24702.	2.5	33
97	Metabonomic, transcriptomic, and genomic variation of a population cohort. <i>Molecular Systems Biology</i> , 2010, 6, 441.	7.2	230
98	High-throughput serum NMR metabonomics for cost-effective holistic studies on systemic metabolism. <i>Analyst, The</i> , 2009, 134, 1781.	3.5	491
99	A multi-metabolite analysis of serum by 1H NMR spectroscopy: Early systemic signs of Alzheimerâ€™s disease. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 356-361.	2.1	104