

Antti J Kangas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1193193/publications.pdf>

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 variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011, 478, 103-109. | 27.8 | 1,855 |
| 2 | Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Cardiovascular Epidemiology and Genetics. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 192-206. | 5.1 | 624 |
| 3 | 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 |
| 4 | Metabolite Profiling and Cardiovascular Event Risk. <i>Circulation</i> , 2015, 131, 774-785. | 1.6 | 547 |
| 5 | Genome-wide association study identifies multiple loci influencing human serum metabolite levels. <i>Nature Genetics</i> , 2012, 44, 269-276. | 21.4 | 516 |
| 6 | Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011, 43, 1131-1138. | 21.4 | 501 |
| 7 | High-throughput serum NMR metabolomics for cost-effective holistic studies on systemic metabolism. <i>Analyst</i> , 2009, 134, 1781. | 3.5 | 491 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Metabolic Signatures of Insulin Resistance in 7,098 Young Adults. <i>Diabetes</i> , 2012, 61, 1372-1380. | 0.6 | 262 |
| 14 | 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 |
| 15 | Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. <i>Genome Biology</i> , 2017, 18, 70. | 8.8 | 245 |
| 16 | Metabonomic, transcriptomic, and genomic variation of a population cohort. <i>Molecular Systems Biology</i> , 2010, 6, 441. | 7.2 | 230 |
| 17 | A metabolic view on menopause and ageing. <i>Nature Communications</i> , 2014, 5, 4708. | 12.8 | 196 |
| 18 | Long-term Leisure-time Physical Activity and Serum Metabolome. <i>Circulation</i> , 2013, 127, 340-348. | 1.6 | 193 |

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|----|--|-----|-----------|
| 19 | Circulating Metabolite Predictors of Glycemia in Middle-Aged Men and Women. <i>Diabetes Care</i> , 2012, 35, 1749-1756. | 8.6 | 184 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Novel Loci for Metabolic Networks and Multi-Tissue Expression Studies Reveal Genes for Atherosclerosis. <i>PLoS Genetics</i> , 2012, 8, e1002907. | 3.5 | 171 |
| 25 | Metabolic profiling of pregnancy: cross-sectional and longitudinal evidence. <i>BMC Medicine</i> , 2016, 14, 205. | 5.5 | 150 |
| 26 | High-throughput quantification of circulating metabolites improves prediction of subclinical atherosclerosis. <i>European Heart Journal</i> , 2012, 33, 2307-2316. | 2.2 | 141 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | A multi-metabolite analysis of serum by 1H NMR spectroscopy: Early systemic signs of Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 356-361. | 2.1 | 104 |
| 31 | 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 |
| 32 | Metabolic profiling of alcohol consumption in 9778 young adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1493-1506. | 1.9 | 90 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. <i>Scientific Reports</i> , 2016, 6, 24828. | 3.3 | 72 |
| 38 | Multi-omic signature of body weight change: results from a population-based cohort study. <i>BMC Medicine</i> , 2015, 13, 48. | 5.5 | 69 |
| 39 | Metabolic Diversity of Progressive Kidney Disease in 325 Patients with Type 1 Diabetes (the FinnDiane) <i>Tj ETQq1 1 0.784314 rgBT /O</i> | 3.7 | 68 |
| 40 | Sphingomyelin is associated with kidney disease in type 1 diabetes (The FinnDiane Study). <i>Metabolomics</i> , 2012, 8, 369-375. | 3.0 | 67 |
| 41 | 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 |
| 42 | 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 |
| 43 | Blood hsa-miR-122-5p and hsa-miR-885-5p levels associate with fatty liver and related lipoprotein metabolismâ€”The Young Finns Study. <i>Scientific Reports</i> , 2016, 6, 38262. | 3.3 | 62 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 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 | Lipoprotein subclass metabolism in nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2014, 55, 2676-2684. | 4.2 | 59 |
| 50 | Experimental and Human Evidence for Lipocalinâ€”2 (Neutrophil Gelatinaseâ€”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 |
| 51 | Abdominal obesity and circulating metabolites: A twin study approach. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 111-121. | 3.4 | 55 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | An interaction map of circulating metabolites, immune gene networks, and their genetic regulation. <i>Genome Biology</i> , 2017, 18, 146. | 8.8 | 46 |
| 60 | Fetal growth, omega-3 (n [~] 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 |
| 61 | 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 |
| 62 | Metabolic signatures of birthweight in 18,288 adolescents and adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1539-1550. | 1.9 | 41 |
| 63 | Quantitative high-throughput metabolomics: a new era in epidemiology and genetics. <i>Genome Medicine</i> , 2012, 4, 36. | 8.2 | 40 |
| 64 | 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 |
| 65 | 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 |
| 66 | Genome-wide association studies and systems biology: together at last. <i>Trends in Genetics</i> , 2011, 27, 493-498. | 6.7 | 33 |
| 67 | A Differential Network Approach to Exploring Differences between Biological States: An Application to Prediabetes. <i>PLoS ONE</i> , 2011, 6, e24702. | 2.5 | 33 |
| 68 | 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 |
| 69 | 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 |
| 70 | Characterization of systemic metabolic phenotypes associated with subclinical atherosclerosis. <i>Molecular BioSystems</i> , 2011, 7, 385-393. | 2.9 | 29 |
| 71 | 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 |
| 72 | Assessing multivariate gene-metabolome associations with rare variants using Bayesian reduced rank regression. <i>Bioinformatics</i> , 2014, 30, 2026-2034. | 4.1 | 28 |

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|----|--|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | Systemic metabolic markers and myocardial glucose uptake in type 2 diabetic and coronary artery disease patients treated for 16 weeks with rosiglitazone, a PPAR α agonist. <i>Annals of Medicine</i> , 2014, 46, 18-23. | 3.8 | 21 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | <i>Trans</i> -ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the <i>ANGPTL8</i> HDL-C GWAS Locus. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3217-3227. | 1.8 | 19 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | Direct Estimation of HDL-Mediated Cholesterol Efflux Capacity from Serum. <i>Clinical Chemistry</i> , 2019, 65, 1042-1050. | 3.2 | 17 |
| 85 | 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 |
| 86 | Evidence of How rs7575840 Influences Apolipoprotein B-Containing Lipid Particles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1201-1207. | 2.4 | 15 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | 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 |

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|----|---|-----|-----------|
| 91 | 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 |
| 92 | 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 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | 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 |
| 97 | 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 |
| 98 | 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 |
| 99 | HDL-Mediated Cholesterol Efflux Associates with Incident Kidney Disease. <i>Clinical Chemistry</i> , 2021, 67, 689-691. | 3.2 | 0 |