

# Johannes Kettunen

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

12,812  
citations

100601

38  
h-index

90395

73  
g-index

87  
all docs

87  
docs citations

87  
times ranked

26474  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Uniting biobank resources reveals novel genetic pathways modulating susceptibility for atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1105-1112.e9.  | 1.5 | 41        |
| 2  | Leveraging Northern European population history: novel low-frequency variants for polycystic ovary syndrome. <i>Human Reproduction</i> , 2022, 37, 352-365.   | 0.4 | 25        |
| 3  | Longitudinal profiling of metabolic ageing trends in two population cohorts of young adults. <i>International Journal of Epidemiology</i> , 2022, 51, 1970-1983.  | 0.9 | 12        |
| 4  | 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. | 2.7 | 6         |
| 5  | There is always glucose in normal urine: unspecific excretion associated with serum glucose and glomerular filtration rate. <i>International Journal of Epidemiology</i> , 2022, 51, 2022-2025.   | 0.9 | 3         |
| 6  | Genome-wide association meta-analysis identifies 48 risk variants and highlights the role of the stria vascularis in hearing loss. <i>American Journal of Human Genetics</i> , 2022, 109, 1077-1091.  | 2.6 | 27        |
| 7  | Association of Circulating Metabolites in Plasma or Serum and Risk of Stroke. <i>Neurology</i> , 2021, 96, .  | 1.5 | 24        |
| 8  | Metabolic profiling of angiotensin-like protein 3 and 4 inhibition: a drug-target Mendelian randomization analysis. <i>European Heart Journal</i> , 2021, 42, 1160-1169.  | 1.0 | 33        |
| 9  | An expanded analysis framework for multivariate GWAS connects inflammatory biomarkers to functional variants and disease. <i>European Journal of Human Genetics</i> , 2021, 29, 309-324.  | 1.4 | 19        |
| 10 | DNA methylation and lipid metabolism: an EWAS of 226 metabolic measures. <i>Clinical Epigenetics</i> , 2021, 13, 7.   | 1.8 | 36        |
| 11 | HDL-Mediated Cholesterol Efflux Associates with Incident Kidney Disease. <i>Clinical Chemistry</i> , 2021, 67, 689-691.   | 1.5 | 0         |
| 12 | Systematic evaluation of the association between hemoglobin levels and metabolic profile implicates beneficial effects of hypoxia. <i>Science Advances</i> , 2021, 7, .   | 4.7 | 19        |
| 13 | Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , 2021, 53, 1300-1310.   | 9.4 | 590       |
| 14 | The Role of Inflammatory Cytokines as Intermediates in the Pathway from Increased Adiposity to Disease. <i>Obesity</i> , 2021, 29, 428-437.   | 1.5 | 27        |
| 15 | Genome-wide association study of periodontal pocketing in Finnish adults. <i>BMC Oral Health</i> , 2021, 21, 611.   | 0.8 | 2         |
| 16 | Data-driven multivariate population subgrouping via lipoprotein phenotypes versus apolipoprotein B in the risk assessment of coronary heart disease. <i>Atherosclerosis</i> , 2020, 294, 10-15.   | 0.4 | 11        |
| 17 | A cross-omics integrative study of metabolic signatures of chronic obstructive pulmonary disease. <i>BMC Pulmonary Medicine</i> , 2020, 20, 193.  | 0.8 | 15        |
| 18 | An epigenome-wide association study of metabolic syndrome and its components. <i>Scientific Reports</i> , 2020, 10, 20567.  | 1.6 | 27        |

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|----|--|-----|-----------|
| 19 | 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.  | 0.9 | 3         |
| 20 | Apolipoprotein A-I concentrations and risk of coronary artery disease: A Mendelian randomization study. <i>Atherosclerosis</i> , 2020, 299, 56-63.   | 0.4 | 47        |
| 21 | A metabolic profile of all-cause mortality risk identified in an observational study of 44,168 individuals. <i>Nature Communications</i> , 2019, 10, 3346.   | 5.8 | 188       |
| 22 | Multivariate Genome-wide Association Analysis of a Cytokine Network Reveals Variants with Widespread Immune, Haematological, and Cardiometabolic Pleiotropy. <i>American Journal of Human Genetics</i> , 2019, 105, 1076-1090.           | 2.6 | 31        |
| 23 | Elevated serum alpha-1 antitrypsin is a major component of GlycA-associated risk for future morbidity and mortality. <i>PLoS ONE</i> , 2019, 14, e0223692.   | 1.1 | 14        |
| 24 | Circulating metabolites and the risk of type 2 diabetes: a prospective study of 11,896 young adults from four Finnish cohorts. <i>Diabetologia</i> , 2019, 62, 2298-2309.  | 2.9 | 141       |
| 25 | Genome-wide association study identifies seven novel loci associating with circulating cytokines and cell adhesion molecules in Finns. <i>Journal of Medical Genetics</i> , 2019, 56, 607-616.   | 1.5 | 46        |
| 26 | Genetic Determinants of Circulating Glycine Levels and Risk of Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2019, 8, e011922.   | 1.6 | 20        |
| 27 | Direct Estimation of HDL-Mediated Cholesterol Efflux Capacity from Serum. <i>Clinical Chemistry</i> , 2019, 65, 1042-1050.   | 1.5 | 17        |
| 28 | Genome-wide meta-analysis identifies genetic locus on chromosome 9 associated with Modic changes. <i>Journal of Medical Genetics</i> , 2019, 56, 420-426.  | 1.5 | 13        |
| 29 | Age at adiposity rebound in childhood is associated with PCOS diagnosis and obesity in adulthood—longitudinal analysis of BMI data from birth to age 46 in cases of PCOS. <i>International Journal of Obesity</i> , 2019, 43, 1370-1379. | 1.6 | 64        |
| 30 | Proof of concept for quantitative urine NMR metabolomics pipeline for large-scale epidemiology and genetics. <i>International Journal of Epidemiology</i> , 2019, 48, 978-993.   | 0.9 | 30        |
| 31 | Lipoprotein signatures of cholesteryl ester transfer protein and HMG-CoA reductase inhibition. <i>PLoS Biology</i> , 2019, 17, e3000572.   | 2.6 | 29        |
| 32 | Insulin resistance and systemic metabolic changes in oral glucose tolerance test in 5340 individuals: an interventional study. <i>BMC Medicine</i> , 2019, 17, 217.  | 2.3 | 54        |
| 33 | NAFLD risk alleles in PNPLA3, TM6SF2, GCKR and LYPLAL1 show divergent metabolic effects. <i>Human Molecular Genetics</i> , 2018, 27, 2214-2223.  | 1.4 | 95        |
| 34 | Coronary artery disease, genetic risk and the metabolome in young individuals. <i>Wellcome Open Research</i> , 2018, 3, 114.   | 0.9 | 17        |
| 35 | Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. <i>Circulation</i> , 2018, 138, 2499-2512.   | 1.6 | 69        |
| 36 | Biomarker Glycoprotein Acetyls Is Associated With the Risk of a Wide Spectrum of Incident Diseases and Stratifies Mortality Risk in Angiography Patients. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002234.         | 1.6 | 38        |

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| 37 | Coronary artery disease, genetic risk and the metabolome in young individuals. Wellcome Open Research, 2018, 3, 114.  | 0.9 | 12        |
| 38 | Experimental and Human Evidence for Lipocalin $\alpha$ 2 (Neutrophil Gelatinase $\alpha$ -Associated Lipocalin [NGAL]) in the Development of Cardiac Hypertrophy and Heart Failure. Journal of the American Heart Association, 2017, 6, . | 1.6 | 59        |
| 39 | Genome-wide Association Study Identifies 27 Loci Influencing Concentrations of Circulating Cytokines and Growth Factors. American Journal of Human Genetics, 2017, 100, 40-50.  | 2.6 | 360       |
| 40 | Metabolic Characterization of a Rare Genetic Variation Within <i>APOC3</i> and Its Lipoprotein Lipase $\alpha$ -Independent Effects. Circulation: Cardiovascular Genetics, 2016, 9, 231-239.  | 5.1 | 28        |
| 41 | Characterization of the metabolic profile associated with serum 25-hydroxyvitamin D: a cross-sectional analysis in population-based data. International Journal of Epidemiology, 2016, 45, 1469-1481.                                     | 0.9 | 19        |
| 42 | Genome-wide study for circulating metabolites identifies 62 loci and reveals novel systemic effects of LPA. Nature Communications, 2016, 7, 11122.  | 5.8 | 576       |
| 43 | Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. Scientific Reports, 2016, 6, 24828.  | 1.6 | 72        |
| 44 | Metabolic profiling of pregnancy: cross-sectional and longitudinal evidence. BMC Medicine, 2016, 14, 205.   | 2.3 | 150       |
| 45 | USF1 deficiency activates brown adipose tissue and improves cardiometabolic health. Science Translational Medicine, 2016, 8, 323ra13.   | 5.8 | 58        |
| 46 | Genetic Variability Overrides the Impact of Parental Cell Type and Determines iPSC Differentiation Potential. Stem Cell Reports, 2016, 6, 200-212.  | 2.3 | 211       |
| 47 | Metabolomic Profiling of Statin Use and Genetic Inhibition of HMG-CoA Reductase. Journal of the American College of Cardiology, 2016, 67, 1200-1210.  | 1.2 | 173       |
| 48 | Genome-Wide Meta-Analysis of Sciatica in Finnish Population. PLoS ONE, 2016, 11, e0163877.  | 1.1 | 23        |
| 49 | Genetic Variants on Chromosome 1p13.3 Are Associated with Non-ST Elevation Myocardial Infarction and the Expression of DRAM2 in the Finnish Population. PLoS ONE, 2015, 10, e0140576.   | 1.1 | 6         |
| 50 | Sex hormone-binding globulin associations with circulating lipids and metabolites and the risk for type 2 diabetes: observational and causal effect estimates. International Journal of Epidemiology, 2015, 44, 623-637.                  | 0.9 | 83        |
| 51 | Metabolite Profiling and Cardiovascular Event Risk. Circulation, 2015, 131, 774-785.  | 1.6 | 547       |
| 52 | Cell Specific eQTL Analysis without Sorting Cells. PLoS Genetics, 2015, 11, e1005223.   | 1.5 | 115       |
| 53 | The impact of low-frequency and rare variants on lipid levels. Nature Genetics, 2015, 47, 589-597.  | 9.4 | 310       |
| 54 | The transcriptional landscape of age in human peripheral blood. Nature Communications, 2015, 6, 8570.   | 5.8 | 533       |

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|----|---|-----|-----------|
| 55 | The Biomarker GlycA Is Associated with Chronic Inflammation and Predicts Long-Term Risk of Severe Infection. <i>Cell Systems</i> , 2015, 1, 293-301.  | 2.9 | 179       |
| 56 | Assessing multivariate gene-metabolome associations with rare variants using Bayesian reduced rank regression. <i>Bioinformatics</i> , 2014, 30, 2026-2034.   | 1.8 | 28        |
| 57 | Chromosome X-Wide Association Study Identifies Loci for Fasting Insulin and Height and Evidence for Incomplete Dosage Compensation. <i>PLoS Genetics</i> , 2014, 10, e1004127.                                  | 1.5 | 61        |
| 58 | High Risk Population Isolate Reveals Low Frequency Variants Predisposing to Intracranial Aneurysms. <i>PLoS Genetics</i> , 2014, 10, e1004134.  | 1.5 | 55        |
| 59 | Genetic Determinants of Circulating Interleukin-1 Receptor Antagonist Levels and Their Association With Glycemic Traits. <i>Diabetes</i> , 2014, 63, 4343-4359.   | 0.3 | 40        |
| 60 | 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.                  | 2.2 | 5         |
| 61 | Neolithic dairy farming at the extreme of agriculture in northern Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140819.   | 1.2 | 92        |
| 62 | 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.                  | 3.9 | 281       |
| 63 | Genome-wide association study of sleep duration in the Finnish population. <i>Journal of Sleep Research</i> , 2014, 23, 609-618.  | 1.7 | 44        |
| 64 | Genome-wide association study of sexual maturation in males and females highlights a role for body mass and menarche loci in male puberty. <i>Human Molecular Genetics</i> , 2014, 23, 4452-4464.               | 1.4 | 82        |
| 65 | A metabolic view on menopause and ageing. <i>Nature Communications</i> , 2014, 5, 4708.   | 5.8 | 196       |
| 66 | Low-Expression Variant of Fatty Acid-Binding Protein 4 Favors Reduced Manifestations of Atherosclerotic Disease and Increased Plaque Stability. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 588-598. | 5.1 | 28        |
| 67 | Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013, 45, 1274-1283.  | 9.4 | 2,641     |
| 68 | Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013, 45, 1345-1352.  | 9.4 | 754       |
| 69 | Systematic identification of trans eQTLs as putative drivers of known disease associations. <i>Nature Genetics</i> , 2013, 45, 1238-1243.   | 9.4 | 1,544     |
| 70 | Metabolic Signatures of Insulin Resistance in 7,098 Young Adults. <i>Diabetes</i> , 2012, 61, 1372-1380.  | 0.3 | 262       |
| 71 | Genome-wide association study identifies multiple loci influencing human serum metabolite levels. <i>Nature Genetics</i> , 2012, 44, 269-276.   | 9.4 | 516       |
| 72 | Detailed metabolic and genetic characterization reveals new associations for 30 known lipid loci. <i>Human Molecular Genetics</i> , 2012, 21, 1444-1455.  | 1.4 | 89        |

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|----|--|-----|-----------|
| 73 | 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       |
| 74 | Metabonomic, transcriptomic, and genomic variation of a population cohort. <i>Molecular Systems Biology</i> , 2010, 6, 441.  | 3.2 | 230       |