

Krista Fischer

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

33,898
citations

46918

47
h-index

40881

93
g-index

99
all docs

99
docs citations

99
times ranked

50052
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults. <i>Lancet, The</i> , 2017, 390, 2627-2642.	6.3	5,010
2	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015, 518, 197-206.	13.7	3,823
3	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013, 45, 1274-1283.	9.4	2,641
4	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014, 46, 1173-1186.	9.4	1,818
5	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. <i>Nature Genetics</i> , 2012, 44, 981-990.	9.4	1,748
6	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19.1 million participants. <i>Lancet, The</i> , 2017, 389, 37-55.	6.3	1,667
7	Systematic identification of trans eQTLs as putative drivers of known disease associations. <i>Nature Genetics</i> , 2013, 45, 1238-1243.	9.4	1,544
8	Large-scale association analysis identifies new risk loci for coronary artery disease. <i>Nature Genetics</i> , 2013, 45, 25-33.	9.4	1,439
9	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. <i>Nature Genetics</i> , 2018, 50, 1505-1513.	9.4	1,331
10	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015, 518, 187-196.	13.7	1,328
11	Identification of seven loci affecting mean telomere length and their association with disease. <i>Nature Genetics</i> , 2013, 45, 422-427.	9.4	808
12	Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013, 45, 1345-1352.	9.4	754
13	GWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. <i>Science</i> , 2013, 340, 1467-1471.	6.0	750
14	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , 2017, 541, 81-86.	13.7	743
15	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. <i>Nature Genetics</i> , 2019, 51, 1207-1214.	9.4	641
16	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013, 45, 501-512.	9.4	578
17	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. <i>Science</i> , 2016, 351, 1166-1171.	6.0	438
18	Significant Locus and Metabolic Genetic Correlations Revealed in Genome-Wide Association Study of Anorexia Nervosa. <i>American Journal of Psychiatry</i> , 2017, 174, 850-858.	4.0	410

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19	FTO genotype is associated with phenotypic variability of body mass index. <i>Nature</i> , 2012, 490, 267-272.	13.7	383
20	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
21	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018, 50, 559-571.	9.4	356
22	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
23	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , 2018, 103, 691-706.	2.6	326
24	Seventy-five genetic loci influencing the human red blood cell. <i>Nature</i> , 2012, 492, 369-375.	13.7	320
25	Cohort Profile: Estonian Biobank of the Estonian Genome Center, University of Tartu. <i>International Journal of Epidemiology</i> , 2015, 44, 1137-1147.	0.9	314
26	Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. <i>Nature Genetics</i> , 2012, 44, 260-268.	9.4	303
27	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013, 45, 621-631.	9.4	282
28	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
29	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. <i>Molecular Psychiatry</i> , 2015, 20, 647-656.	4.1	235
30	Genome-wide association meta-analysis of human longevity identifies a novel locus conferring survival beyond 90 years of age. <i>Human Molecular Genetics</i> , 2014, 23, 4420-4432.	1.4	227
31	<i>KLB</i> is associated with alcohol drinking, and its gene product β -Klotho is necessary for FGF21 regulation of alcohol preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14372-14377.	3.3	208
32	The Role of Adiposity in Cardiometabolic Traits: A Mendelian Randomization Analysis. <i>PLoS Medicine</i> , 2013, 10, e1001474.	3.9	178
33	Personalized risk prediction for type 2 diabetes: the potential of genetic risk scores. <i>Genetics in Medicine</i> , 2017, 19, 322-329.	1.1	127
34	Adiposity as a cause of cardiovascular disease: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2015, 44, 578-586.	0.9	123
35	Identification of miR-374a as a prognostic marker for survival in patients with early-stage non-small cell lung cancer. <i>Genes Chromosomes and Cancer</i> , 2011, 50, 812-822.	1.5	116
36	Genetic variants linked to education predict longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13366-13371.	3.3	110

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37	Pathogenic implications for autoimmune mechanisms derived by comparative eQTL analysis of CD4+ versus CD8+ T cells. <i>PLoS Genetics</i> , 2017, 13, e1006643.	1.5	110
38	A genome-wide association study of early menopause and the combined impact of identified variants. <i>Human Molecular Genetics</i> , 2013, 22, 1465-1472.	1.4	104
39	Leukocyte telomere length associates with prospective mortality independent of immune-related parameters and known genetic markers. <i>International Journal of Epidemiology</i> , 2014, 43, 878-886.	0.9	95
40	Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases. <i>Science Advances</i> , 2020, 6, eaax0301.	4.7	90
41	Evidence of Inbreeding Depression on Human Height. <i>PLoS Genetics</i> , 2012, 8, e1002655.	1.5	79
42	Comparing distributions of polygenic risk scores of type 2 diabetes and coronary heart disease within different populations. <i>PLoS ONE</i> , 2017, 12, e0179238.	1.1	67
43	Ancestry deconvolution and partial polygenic score can improve susceptibility predictions in recently admixed individuals. <i>Nature Communications</i> , 2020, 11, 1628.	5.8	66
44	Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. <i>International Journal of Epidemiology</i> , 2018, 47, 872-883i.	0.9	65
45	Age- and Sex-Specific Causal Effects of Adiposity on Cardiovascular Risk Factors. <i>Diabetes</i> , 2015, 64, 1841-1852.	0.3	63
46	Methylation Markers of Early-Stage Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2012, 7, e39813.	1.1	62
47	Meta-analysis of Gene-Level Associations for Rare Variants Based on Single-Variant Statistics. <i>American Journal of Human Genetics</i> , 2013, 93, 236-248.	2.6	60
48	Results from the Estonian postmenopausal hormone therapy trial [ISRCTN35338757]. <i>Maturitas</i> , 2006, 55, 162-173.	1.0	50
49	Development of the Gastrointestinal Dysfunction Score (GIDS) for critically ill patients – A prospective multicenter observational study (iSOFA study). <i>Clinical Nutrition</i> , 2021, 40, 4932-4940.	2.3	49
50	The relationship between inflammation and arterial stiffness in patients with essential hypertension. <i>International Journal of Cardiology</i> , 2006, 112, 46-51.	0.8	47
51	Food neophobia associates with poorer dietary quality, metabolic risk factors, and increased disease outcome risk in population-based cohorts in a metabolomics study. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 233-245.	2.2	47
52	Characterization of the antioxidant profile of human saliva in peri-implant health and disease. <i>Clinical Oral Implants Research</i> , 2007, 18, 27-33.	1.9	44
53	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. <i>EBioMedicine</i> , 2018, 38, 206-216.	2.7	43
54	Polygenic prediction of breast cancer: comparison of genetic predictors and implications for risk stratification. <i>BMC Cancer</i> , 2019, 19, 557.	1.1	40

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55	Correlation of peri-implant health and myeloperoxidase levels: a cross-sectional clinical study. <i>Clinical Oral Implants Research</i> , 2004, 15, 546-552.	1.9	39
56	Comprehensive population-based genome sequencing provides insight into hematopoietic regulatory mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E327-E336.	3.3	39
57	High prevalence of blood-borne virus infections and high-risk behaviour among injecting drug users in Tallinn, Estonia. <i>International Journal of STD and AIDS</i> , 2007, 18, 41-46.	0.5	34
58	RegScan: a GWAS tool for quick estimation of allele effects on continuous traits and their combinations. <i>Briefings in Bioinformatics</i> , 2015, 16, 39-44.	3.2	34
59	Genome-wide meta-analysis of common variant differences between men and women. <i>Human Molecular Genetics</i> , 2012, 21, 4805-4815.	1.4	33
60	Gallstones, Body Mass Index, C-reactive Protein, and Gallbladder Cancer: Mendelian Randomization Analysis of Chilean and European Genotype Data. <i>Hepatology</i> , 2021, 73, 1783-1796.	3.6	32
61	Both low and high activities of platelet monoamine oxidase increase the probability of becoming a smoker. <i>European Neuropsychopharmacology</i> , 2004, 14, 65-69.	0.3	31
62	Whole-exome sequencing identifies a polymorphism in the BMP5 gene associated with SSRI treatment response in major depression. <i>Journal of Psychopharmacology</i> , 2013, 27, 915-920.	2.0	31
63	A structural mean model to allow for noncompliance in a randomized trial comparing 2 active treatments. <i>Biostatistics</i> , 2011, 12, 247-257.	0.9	29
64	Shared genetic risk between eating disorder and substance use-related phenotypes: Evidence from genome-wide association studies. <i>Addiction Biology</i> , 2021, 26, e12880.	1.4	28
65	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases. <i>Nature Communications</i> , 2022, 13, 2408.	5.8	26
66	The risk-treatment paradox in non-ST-elevation myocardial infarction patients according to their estimated GRACE risk. <i>International Journal of Cardiology</i> , 2018, 272, 26-32.	0.8	25
67	A catalogue of omics biological ageing clocks reveals substantial commonality and associations with disease risk. <i>Aging</i> , 2022, 14, 623-659.	1.4	22
68	Circulating glucuronic acid predicts healthspan and longevity in humans and mice. <i>Aging</i> , 2019, 11, 7694-7706.	1.4	21
69	Surveillance of HIV, Hepatitis B Virus, and Hepatitis C Virus in an Estonian Injection Drug-Using Population: Sensitivity and Specificity of Testing Syringes for Public Health Surveillance. <i>Journal of Infectious Diseases</i> , 2006, 193, 455-457.	1.9	20
70	Development and validation of two SCORE-based cardiovascular risk prediction models for Eastern Europe: a multicohort study. <i>European Heart Journal</i> , 2020, 41, 3325-3333.	1.0	17
71	A rare-variant test for high-dimensional data. <i>European Journal of Human Genetics</i> , 2017, 25, 988-994.	1.4	15
72	Structural Mean Effects of Noncompliance. <i>Journal of the American Statistical Association</i> , 2004, 99, 918-928.	1.8	13

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73	PAIRUP-MS: Pathway analysis and imputation to relate unknowns in profiles from mass spectrometry-based metabolite data. <i>PLoS Computational Biology</i> , 2019, 15, e1006734.	1.5	13
74	Machine Learning Reveals Time-Varying Microbial Predictors with Complex Effects on Glucose Regulation. <i>MSystems</i> , 2021, 6, .	1.7	13
75	Integrating untargeted metabolomics, genetically informed causal inference, and pathway enrichment to define the obesity metabolome. <i>International Journal of Obesity</i> , 2020, 44, 1596-1606.	1.6	12
76	Using genetic variation to disentangle the complex relationship between food intake and health outcomes. <i>PLoS Genetics</i> , 2022, 18, e1010162.	1.5	12
77	Genomic architecture and prediction of censored time-to-event phenotypes with a Bayesian genome-wide analysis. <i>Nature Communications</i> , 2021, 12, 2337.	5.8	11
78	ABCB1/4 gallbladder cancer risk variants identified in India also show strong effects in Chileans. <i>Cancer Epidemiology</i> , 2020, 65, 101643.	0.8	9
79	Postmenopausal hormone therapy increases use of health services: Experience from the Estonian Postmenopausal Hormone Therapy Trial [ISRCTN35338757]. <i>American Journal of Obstetrics and Gynecology</i> , 2006, 195, 62-71.	0.7	8
80	Effects of amlodipine and candesartan on oxidized LDL level in patients with mild to moderate essential hypertension. <i>Blood Pressure</i> , 2006, 15, 313-318.	0.7	7
81	MixFit: Methodology for Computing Ancestry-Related Genetic Scores at the Individual Level and Its Application to the Estonian and Finnish Population Studies. <i>PLoS ONE</i> , 2017, 12, e0170325.	1.1	7
82	Effect of characteristics of women on attendance in blind and non-blind randomised trials: analysis of recruitment data from the EPHT Trial. <i>BMJ Open</i> , 2016, 6, e011099.	0.8	6
83	Estimating the performance of three cardiovascular disease risk scores: the Estonian Biobank cohort study. <i>Journal of Epidemiology and Community Health</i> , 2019, 73, 272-277.	2.0	6
84	Arsenic and gallbladder cancer risk: Mendelian randomization analysis of European prospective data. <i>International Journal of Cancer</i> , 2020, 146, 2648-2650.	2.3	6
85	Validating the doubly weighted genetic risk score for the prediction of type 2 diabetes in the Lifelines and Estonian Biobank cohorts. <i>Genetic Epidemiology</i> , 2020, 44, 589-600.	0.6	6
86	Advances in Genomic Discovery and Implications for Personalized Prevention and Medicine: Estonia as Example. <i>Journal of Personalized Medicine</i> , 2021, 11, 358.	1.1	6
87	Platelet monoamine oxidase activity in association with adolescent inattentive and hyperactive behaviour: A prospective longitudinal study. <i>Personality and Individual Differences</i> , 2007, 43, 155-166.	1.6	5
88	Cardiovascular Risk Factors and Ischemic Heart Disease. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 279-286.	5.1	5
89	Genetic Predisposition to Coronary Artery Disease in Type 2 Diabetes Mellitus. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002769.	1.6	5
90	Evaluating the prognostic performance of a polygenic risk score for breast cancer risk stratification. <i>BMC Cancer</i> , 2021, 21, 1351.	1.1	5

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91	The 1st year of the COVID-19 epidemic in Estonia: a population-based nationwide sequential/consecutive cross-sectional study. <i>Public Health</i> , 2022, 205, 150-156.	1.4	4
92	Adherence to recommendations for secondary prevention medications after myocardial infarction in Estonia: comparison of real-world data from 2004 to 2005 and 2017 to 2018. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 505.	0.7	3