Krista Fischer

List of Publications by Year
in descending order

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92 papers	33,898 citations	47 h-index	93 g-index
		47006	40979
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 128Â·9 million children, adolescents, and adults. Lancet, The, 2017, 390, 2627-2642.	13.7	5,010
2	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
3	Discovery and refinement of loci associated with lipid levels. Nature Genetics, 2013, 45, 1274-1283.	21.4	2,641
4	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	21.4	1,818
5	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. Nature Genetics, 2012, 44, 981-990.	21.4	1,748
6	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19Â·1 million participants. Lancet, The, 2017, 389, 37-55.	13.7	1,667
7	Systematic identification of trans eQTLs as putative drivers of known disease associations. Nature Genetics, 2013, 45, 1238-1243.	21.4	1,544
8	Large-scale association analysis identifies new risk loci for coronary artery disease. Nature Genetics, 2013, 45, 25-33.	21.4	1,439
9	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. Nature Genetics, 2018, 50, 1505-1513.	21.4	1,331
10	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
11	Identification of seven loci affecting mean telomere length and their association with disease. Nature Genetics, 2013, 45, 422-427.	21.4	808
12	Common variants associated with plasma triglycerides and risk for coronary artery disease. Nature Genetics, 2013, 45, 1345-1352.	21.4	754
13	GWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. Science, 2013, 340, 1467-1471.	12.6	750
14	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. Nature, 2017, 541, 81-86.	27.8	743
15	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. Nature Genetics, 2019, 51, 1207-1214.	21.4	641
16	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. Nature Genetics, 2013, 45, 501-512.	21.4	578
17	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. Science, 2016, 351, 1166-1171.	12.6	438
18	Significant Locus and Metabolic Genetic Correlations Revealed in Genome-Wide Association Study of Anorexia Nervosa. American Journal of Psychiatry, 2017, 174, 850-858.	7.2	410

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19	FTO genotype is associated with phenotypic variability of body mass index. Nature, 2012, 490, 267-272.	27.8	383
20	Sex-stratified Genome-wide Association Studies Including 270,000 Individuals Show Sexual Dimorphism in Genetic Loci for Anthropometric Traits. PLoS Genetics, 2013, 9, e1003500.	3.5	371
21	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. Nature Genetics, 2018, 50, 559-571.	21.4	356
22	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
23	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. American Journal of Human Genetics, 2018, 103, 691-706.	6.2	326
24	Seventy-five genetic loci influencing the human red blood cell. Nature, 2012, 492, 369-375.	27.8	320
25	Cohort Profile: Estonian Biobank of the Estonian Genome Center, University of Tartu. International Journal of Epidemiology, 2015, 44, 1137-1147.	1.9	314
26	Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. Nature Genetics, 2012, 44, 260-268.	21.4	303
27	Identification of heart rateâ€“associated loci and their effects on cardiac conduction and rhythm disorders. Nature Genetics, 2013, 45, 621-631.	21.4	282
28	Biomarker Profiling by Nuclear Magnetic Resonance Spectroscopy for the Prediction of All-Cause Mortality: An Observational Study of 17,345 Persons. PLoS Medicine, 2014, 11, e1001606.	8.4	281
29	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. Molecular Psychiatry, 2015, 20, 647-656.	7.9	235
30	Genome-wide association meta-analysis of human longevity identifies a novel locus conferring survival beyond 90 years of age. Human Molecular Genetics, 2014, 23, 4420-4432.	2.9	227
31	KLB is associated with alcohol drinking, and its gene product Î²-Klotho is necessary for FGF21 regulation of alcohol preference. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14372-14377.	7.1	208
32	The Role of Adiposity in Cardiometabolic Traits: A Mendelian Randomization Analysis. PLoS Medicine, 2013, 10, e1001474.	8.4	178
33	Personalized risk prediction for type 2 diabetes: the potential of genetic risk scores. Genetics in Medicine, 2017, 19, 322-329.	2.4	127
34	Adiposity as a cause of cardiovascular disease: a Mendelian randomization study. International Journal of Epidemiology, 2015, 44, 578-586.	1.9	123
35	Identification of miRâ€374a as a prognostic marker for survival in patients with earlyâ€stage nonsmall cell lung cancer. Genes Chromosomes and Cancer, 2011, 50, 812-822.	2.8	116
36	Genetic variants linked to education predict longevity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13366-13371.	7.1	110

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37	Pathogenic implications for autoimmune mechanisms derived by comparative eQTL analysis of CD4+ versus CD8+ T cells. PLoS Genetics, 2017, 13, e1006643.	3.5	110
38	A genome-wide association study of early menopause and the combined impact of identified variants. Human Molecular Genetics, 2013, 22, 1465-1472.	2.9	104
39	Leukocyte telomere length associates with prospective mortality independent of immune-related parameters and known genetic markers. International Journal of Epidemiology, 2014, 43, 878-886.	1.9	95
40	Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases. Science Advances, 2020, 6, eaax0301.	10.3	90
41	Evidence of Inbreeding Depression on Human Height. PLoS Genetics, 2012, 8, e1002655.	3.5	79
42	Comparing distributions of polygenic risk scores of type 2 diabetes and coronary heart disease within different populations. PLoS ONE, 2017, 12, e0179238.	2.5	67
43	Ancestry deconvolution and partial polygenic score can improve susceptibility predictions in recently admixed individuals. Nature Communications, 2020, 11, 1628.	12.8	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. International Journal of Epidemiology, 2018, 47, 872-883i.	1.9	65
45	Age- and Sex-Specific Causal Effects of Adiposity on Cardiovascular Risk Factors. Diabetes, 2015, 64, 1841-1852.	0.6	63
46	Methylation Markers of Early-Stage Non-Small Cell Lung Cancer. PLoS ONE, 2012, 7, e39813.	2.5	62
47	Meta-analysis of Gene-Level Associations for Rare Variants Based on Single-Variant Statistics. American Journal of Human Genetics, 2013, 93, 236-248.	6.2	60
48	Results from the Estonian postmenopausal hormone therapy trial [ISRCTN35338757]. Maturitas, 2006, 55, 162-173.	2.4	50
49	Development of the Gastrointestinal Dysfunction Score (GIDS) for critically ill patients â€“ A prospective multicenter observational study (iSOFA study). Clinical Nutrition, 2021, 40, 4932-4940.	5.0	49
50	The relationship between inflammation and arterial stiffness in patients with essential hypertension. International Journal of Cardiology, 2006, 112, 46-51.	1.7	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. American Journal of Clinical Nutrition, 2019, 110, 233-245.	4.7	47
52	Characterization of the antioxidant profile of human saliva in peri-implant health and disease. Clinical Oral Implants Research, 2007, 18, 27-33.	4.5	44
53	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. EBioMedicine, 2018, 38, 206-216.	6.1	43
54	Polygenic prediction of breast cancer: comparison of genetic predictors and implications for risk stratification. BMC Cancer, 2019, 19, 557.	2.6	40

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55	Correlation of peri-implant health and myeloperoxidase levels: a cross-sectional clinical study. Clinical Oral Implants Research, 2004, 15, 546-552.	4.5	39
56	Comprehensive population-based genome sequencing provides insight into hematopoietic regulatory mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E327-E336.	7.1	39
57	High prevalence of blood-borne virus infections and high-risk behaviour among injecting drug users in Tallinn, Estonia. International Journal of STD and AIDS, 2007, 18, 41-46.	1.1	34
58	RegScan: a GWAS tool for quick estimation of allele effects on continuous traits and their combinations. Briefings in Bioinformatics, 2015, 16, 39-44.	6.5	34
59	Genome-wide meta-analysis of common variant differences between men and women. Human Molecular Genetics, 2012, 21, 4805-4815.	2.9	33
60	Gallstones, Body Mass Index, Câ€Reactive Protein, and Gallbladder Cancer: Mendelian Randomization Analysis of Chilean and European Genotype Data. Hepatology, 2021, 73, 1783-1796.	7.3	32
61	Both low and high activities of platelet monoamine oxidase increase the probability of becoming a smoker. European Neuropsychopharmacology, 2004, 14, 65-69.	0.7	31
62	Whole-exome sequencing identifies a polymorphism in the BMP5 gene associated with SSRI treatment response in major depression. Journal of Psychopharmacology, 2013, 27, 915-920.	4.0	31
63	A structural mean model to allow for noncompliance in a randomized trial comparing 2 active treatments. Biostatistics, 2011, 12, 247-257.	1.5	29
64	Shared genetic risk between eating disorderâ€•and substanceâ€useâ€related phenotypes: Evidence from genomeâ€wide association studies. Addiction Biology, 2021, 26, e12880.	2.6	28
65	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases. Nature Communications, 2022, 13, 2408.	12.8	26
66	The risk-treatment paradox in non-ST-elevation myocardial infarction patients according to their estimated GRACE risk. International Journal of Cardiology, 2018, 272, 26-32.	1.7	25
67	A catalogue of omics biological ageing clocks reveals substantial commonality and associations with disease risk. Aging, 2022, 14, 623-659.	3.1	22
68	Circulating glucuronic acid predicts healthspan and longevity in humans and mice. Aging, 2019, 11, 7694-7706.	3.1	21
69	Surveillance of HIV, Hepatitis B Virus, and Hepatitis C Virus in an Estonian Injection Drugâ€“Using Population: Sensitivity and Specificity of Testing Syringes for Public Health Surveillance. Journal of Infectious Diseases, 2006, 193, 455-457.	4.0	20
70	Development and validation of two SCORE-based cardiovascular risk prediction models for Eastern Europe: a multicohort study. European Heart Journal, 2020, 41, 3325-3333.	2.2	17
71	A rare-variant test for high-dimensional data. European Journal of Human Genetics, 2017, 25, 988-994.	2.8	15
72	Structural Mean Effects of Noncompliance. Journal of the American Statistical Association, 2004, 99, 918-928.	3.1	13

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73	PAIRUP-MS: Pathway analysis and imputation to relate unknowns in profiles from mass spectrometry-based metabolite data. PLoS Computational Biology, 2019, 15, e1006734.	3.2	13
74	Machine Learning Reveals Time-Varying Microbial Predictors with Complex Effects on Glucose Regulation. MSystems, 2021, 6, .	3.8	13
75	Integrating untargeted metabolomics, genetically informed causal inference, and pathway enrichment to define the obesity metabolome. International Journal of Obesity, 2020, 44, 1596-1606.	3.4	12
76	Using genetic variation to disentangle the complex relationship between food intake and health outcomes. PLoS Genetics, 2022, 18, e1010162.	3.5	12
77	Genomic architecture and prediction of censored time-to-event phenotypes with a Bayesian genome-wide analysis. Nature Communications, 2021, 12, 2337.	12.8	11
78	ABCB1/4 gallbladder cancer risk variants identified in India also show strong effects in Chileans. Cancer Epidemiology, 2020, 65, 101643.	1.9	9
79	Postmenopausal hormone therapy increases use of health services: Experience from the Estonian Postmenopausal Hormone Therapy Trial [ISRCTN35338757]. American Journal of Obstetrics and Gynecology, 2006, 195, 62-71.	1.3	8
80	Effects of amlodipine and candesartan on oxidized LDL level in patients with mild to moderate essential hypertension. Blood Pressure, 2006, 15, 313-318.	1.5	7
81	MixFit: Methodology for Computing Ancestry-Related Genetic Scores at the Individual Level and Its Application to the Estonian and Finnish Population Studies. PLoS ONE, 2017, 12, e0170325.	2.5	7
82	Effect of characteristics of women on attendance in blind and non-blind randomised trials: analysis of recruitment data from the EPHT Trial. BMJ Open, 2016, 6, e011099.	1.9	6
83	Estimating the performance of three cardiovascular disease risk scores: the Estonian Biobank cohort study. Journal of Epidemiology and Community Health, 2019, 73, 272-277.	3.7	6
84	Arsenic and gallbladder cancer risk: Mendelian randomization analysis of European prospective data. International Journal of Cancer, 2020, 146, 2648-2650.	5.1	6
85	Validating the doubly weighted genetic risk score for the prediction of type 2 diabetes in the Lifelines and Estonian Biobank cohorts. Genetic Epidemiology, 2020, 44, 589-600.	1.3	6
86	Advances in Genomic Discovery and Implications for Personalized Prevention and Medicine: Estonia as Example. Journal of Personalized Medicine, 2021, 11, 358.	2.5	6
87	Platelet monoamine oxidase activity in association with adolescent inattentive and hyperactive behaviour: A prospective longitudinal study. Personality and Individual Differences, 2007, 43, 155-166.	2.9	5
88	Cardiovascular Risk Factors and Ischemic Heart Disease. Circulation: Cardiovascular Genetics, 2016, 9, 279-286.	5.1	5
89	Genetic Predisposition to Coronary Artery Disease in Type 2 Diabetes Mellitus. Circulation Genomic and Precision Medicine, 2020, 13, e002769.	3.6	5
90	Evaluating the prognostic performance of a polygenic risk score for breast cancer risk stratification. BMC Cancer, 2021, 21, 1351.	2.6	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. Public Health, 2022, 205, 150-156.	2.9	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. BMC Cardiovascular Disorders, 2021, 21, 505.	1.7	3