

Tom G Richardson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	1,429 citations	19 h-index	35 g-index
124 ext. papers	2,752 ext. citations	9.4 avg, IF	5.13 L-index

#	Paper	IF	Citations
88	Harnessing Whole Genome Polygenic Risk Scores to Stratify Individuals Based on Cardiometabolic Risk Factors and Biomarkers at Age 10 in the Lifecourse.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , ATVBAHA121316650	9.4	0
87	Genetically proxied therapeutic inhibition of antihypertensive drug targets and risk of common cancers: A mendelian randomization analysis.. <i>PLoS Medicine</i> , 2022 , 19, e1003897	11.6	2
86	Characterising metabolomic signatures of lipid-modifying therapies through drug target mendelian randomisation.. <i>PLoS Biology</i> , 2022 , 20, e3001547	9.7	3
85	Applying Mendelian randomization to appraise causality in relationships between nutrition and cancer.. <i>Cancer Causes and Control</i> , 2022 , 1	2.8	0
84	Deciphering how early life adiposity influences breast cancer risk using Mendelian randomization.. <i>Communications Biology</i> , 2022 , 5, 337	6.7	0
83	Childhood body size directly increases type 1 diabetes risk based on a lifecourse Mendelian randomization approach.. <i>Nature Communications</i> , 2022 , 13, 2337	17.4	0
82	Integrative multiomics analysis highlights immune-cell regulatory mechanisms and shared genetic architecture for 14 immune-associated diseases and cancer outcomes. <i>American Journal of Human Genetics</i> , 2021 , 108, 2259-2270	11	0
81	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. <i>Diabetes Care</i> , 2021 ,	14.6	4
80	Childhood obesity and multiple sclerosis: A Mendelian randomization study. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 2150-2158	5	8
79	Evaluating the direct effects of childhood adiposity on adult systemic metabolism: a multivariable Mendelian randomization analysis. <i>International Journal of Epidemiology</i> , 2021 , 50, 1580-1592	7.8	4
78	Triangulating Molecular Evidence to Prioritize Candidate Causal Genes at Established Atopic Dermatitis Loci. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 2620-2629	4.3	3
77	Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. <i>Genome Biology</i> , 2021 , 22, 194	18.3	14
76	The causal effects of serum lipids and apolipoproteins on kidney function: multivariable and bidirectional Mendelian-randomization analyses. <i>International Journal of Epidemiology</i> , 2021 , 50, 1569-1579	7.8	4
75	Effects of apolipoprotein B on lifespan and risks of major diseases including type 2 diabetes: a mendelian randomisation analysis using outcomes in first-degree relatives. <i>The Lancet Healthy Longevity</i> , 2021 , 2, e317-e326	9.5	7
74	Separating the genetics of childhood and adult obesity: a validation study of genetic scores for body mass index in adolescence and adulthood in the HUNT Study. <i>Human Molecular Genetics</i> , 2021 , 29, 3966-3973	5.6	11
73	Computational Tools for Causal Inference in Genetics. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021 , 11,	5.4	2
72	Investigating causality between liability to ADHD and substance use, and liability to substance use and ADHD risk, using Mendelian randomization. <i>Addiction Biology</i> , 2021 , 26, e12849	4.6	22

71	Identifying drug targets for neurological and psychiatric disease via genetics and the brain transcriptome. <i>PLoS Genetics</i> , 2021 , 17, e1009224	6	10
70	Evaluating the effects of cardiometabolic exposures on circulating proteins which may contribute to severe SARS-CoV-2. <i>EBioMedicine</i> , 2021 , 64, 103228	8.8	4
69	The use of negative control outcomes in Mendelian randomization to detect potential population stratification. <i>International Journal of Epidemiology</i> , 2021 , 50, 1350-1361	7.8	15
68	Genetic predictors of participation in optional components of UK Biobank. <i>Nature Communications</i> , 2021 , 12, 886	17.4	20
67	Integrating genomics with biomarkers and therapeutic targets to invigorate cardiovascular drug development. <i>Nature Reviews Cardiology</i> , 2021 , 18, 435-453	14.8	16
66	Mendelian Randomization Analyses Suggest Childhood Body Size Indirectly Influences End Points From Across the Cardiovascular Disease Spectrum Through Adult Body Size. <i>Journal of the American Heart Association</i> , 2021 , 10, e021503	6	0
65	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021 , 53, 1311-1321	36.3	27
64	Investigation of the Interplay between Circulating Lipids and IGF-I and Relevance to Breast Cancer Risk: An Observational and Mendelian Randomization Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021 , 30, 2207-2216	4	2
63	Multi-omics analyses of cognitive traits and psychiatric disorders highlights brain-dependent mechanisms. <i>Human Molecular Genetics</i> , 2021 ,	5.6	4
62	Common mechanisms for type 2 diabetes and psychosis: Findings from a prospective birth cohort. <i>Schizophrenia Research</i> , 2020 , 223, 227-235	3.6	3
61	Use of genetic variation to separate the effects of early and later life adiposity on disease risk: mendelian randomisation study. <i>BMJ, The</i> , 2020 , 369, m1203	5.9	61
60	Characterizing the Causal Pathway for Genetic Variants Associated with Neurological Phenotypes Using Human Brain-Derived Proteome Data. <i>American Journal of Human Genetics</i> , 2020 , 106, 885-892	11	15
59	Combined Effect of PNPLA3, TM6SF2, and HSD17B13 Variants on Risk of Cirrhosis and Hepatocellular Carcinoma in the General Population. <i>Hepatology</i> , 2020 , 72, 845-856	11.2	55
58	The Effect of Plasma Lipids and Lipid-Lowering Interventions on Bone Mineral Density: A Mendelian Randomization Study. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1224-1235	6.3	19
57	Evaluating the relationship between circulating lipoprotein lipids and apolipoproteins with risk of coronary heart disease: A multivariable Mendelian randomisation analysis. <i>PLoS Medicine</i> , 2020 , 17, e1003062	11.6	127
56	Smoking, DNA Methylation, and Lung Function: a Mendelian Randomization Analysis to Investigate Causal Pathways. <i>American Journal of Human Genetics</i> , 2020 , 106, 315-326	11	12
55	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population. <i>PLoS ONE</i> , 2020 , 15, e0232292	3.7	7
54	A transcriptome-wide Mendelian randomization study to uncover tissue-dependent regulatory mechanisms across the human phenome. <i>Nature Communications</i> , 2020 , 11, 185	17.4	27

53	Exploring the Effects of Cigarette Smoking on Inflammatory Bowel Disease Using Mendelian Randomization. <i>Crohn's & Colitis</i> 360, 2020 , 2, otaa018	1.4	1
52	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020 , 52, 1314-1332	36.3	26
51	Phenome-wide Mendelian randomization mapping the influence of the plasma proteome on complex diseases. <i>Nature Genetics</i> , 2020 , 52, 1122-1131	36.3	75
50	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population 2020 , 15, e0232292		
49	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population 2020 , 15, e0232292		
48	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population 2020 , 15, e0232292		
47	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population 2020 , 15, e0232292		
46	Prioritizing putative influential genes in cardiovascular disease susceptibility by applying tissue-specific Mendelian randomization. <i>Genome Medicine</i> , 2019 , 11, 6	14.4	19
45	Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. <i>Hypertension</i> , 2019 , 74, 375-383	5	40
44	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019 , 10, 1893	17.4	79
43	Leveraging brain cortex-derived molecular data to elucidate epigenetic and transcriptomic drivers of complex traits and disease. <i>Translational Psychiatry</i> , 2019 , 9, 105	8.6	8
42	Conditioning on a Collider May Induce Spurious Associations: Do the Results of Gale et al. (2017) Support a Health-Protective Effect of Neuroticism in Population Subgroups?. <i>Psychological Science</i> , 2019 , 30, 629-632	7.9	6
41	Integrating Mendelian randomization and multiple-trait colocalization to uncover cell-specific inflammatory drivers of autoimmune and atopic disease. <i>Human Molecular Genetics</i> , 2019 , 28, 3293-3300	5.6	16
40	An integrative approach to detect epigenetic mechanisms that putatively mediate the influence of lifestyle exposures on disease susceptibility. <i>International Journal of Epidemiology</i> , 2019 , 48, 887-898	7.8	8
39	DNA methylation links prenatal smoking exposure to later life health outcomes in offspring. <i>Clinical Epigenetics</i> , 2019 , 11, 97	7.7	42
38	An atlas of polygenic risk score associations to highlight putative causal relationships across the human phenome. <i>ELife</i> , 2019 , 8,	8.9	90
37	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019 , 104, 112-138	11	54
36	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. <i>Nature Genetics</i> , 2019 , 51, 51-62	36.3	152

35	Evidence for DNA methylation mediating genetic liability to non-syndromic cleft lip/palate. <i>Epigenomics</i> , 2019 , 11, 133-145	4.4	14
34	Using Y-Chromosomal Haplogroups in Genetic Association Studies and Suggested Implications. <i>Genes</i> , 2018 , 9,	4.2	4
33	Identification of loci where DNA methylation potentially mediates genetic risk of type 1 diabetes. <i>Journal of Autoimmunity</i> , 2018 , 93, 66-75	15.5	14
32	Systematic Mendelian randomization framework elucidates hundreds of CpG sites which may mediate the influence of genetic variants on disease. <i>Human Molecular Genetics</i> , 2018 , 27, 3293-3304	5.6	40
31	PhenoSpD: an integrated toolkit for phenotypic correlation estimation and multiple testing correction using GWAS summary statistics. <i>GigaScience</i> , 2018 , 7,	7.6	27
30	Mendelian Randomization Analysis Identifies CpG Sites as Putative Mediators for Genetic Influences on Cardiovascular Disease Risk. <i>American Journal of Human Genetics</i> , 2017 , 101, 590-602	11	44
29	A pathway-centric approach to rare variant association analysis. <i>European Journal of Human Genetics</i> , 2016 , 25, 123-129	5.3	11
28	Incorporating Non-Coding Annotations into Rare Variant Analysis. <i>PLoS ONE</i> , 2016 , 11, e0154181	3.7	7
27	Collapsed methylation quantitative trait loci analysis for low frequency and rare variants. <i>Human Molecular Genetics</i> , 2016 , 25, 4339-4349	5.6	7
26	A Protein Domain and Family Based Approach to Rare Variant Association Analysis. <i>PLoS ONE</i> , 2016 , 11, e0153803	3.7	5
25	Identifying Highly Penetrant Disease Causal Mutations Using Next Generation Sequencing: Guide to Whole Process. <i>BioMed Research International</i> , 2015 , 2015, 923491	3	6
24	Influence of adiposity-related genetic markers in a population of saudi arabians where other variables influencing obesity may be reduced. <i>Disease Markers</i> , 2014 , 2014, 758232	3.2	19
23	Evaluating the role of a galanin enhancer genotype on a range of metabolic, depressive and addictive phenotypes. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2014 , 165B, 654-64	3.5	4
22	Structural and population-based evaluations of TBC1D1 p.Arg125Trp. <i>PLoS ONE</i> , 2013 , 8, e63897	3.7	8
21	Evaluating and implementing block jackknife resampling Mendelian randomization to mitigate bias induced by overlapping samples		1
20	A genome-wide association study of childhood adiposity and blood lipids. <i>Wellcome Open Research</i> , 2013 , 6, 303	4.8	1
19	Estimation of causal effects of a time-varying exposure at multiple time points through Multivariable Mendelian randomization		1
18	Can the impact of childhood adiposity on disease risk be reversed? A Mendelian randomization study		4

17	PhenoSpD: an integrated toolkit for phenotypic correlation estimation and multiple testing correction using GWAS summary statistics	3
16	Systematic Mendelian randomization framework elucidates hundreds of genetic loci which may influence disease through changes in DNA methylation levels	3
15	Apolipoprotein B underlies the causal relationship of circulating blood lipids with coronary heart disease	5
14	Genetic predictors of participation in optional components of UK Biobank	10
13	The role of gene expression on human sexual dimorphism: too early to call	3
12	The use of negative control outcomes in Mendelian Randomisation to detect potential population stratification or selection bias	3
11	Genome-wide association studies identify 137 loci for DNA methylation biomarkers of ageing	8
10	Evaluating the direct effects of childhood adiposity on adult systemic-metabolism: A multivariable Mendelian randomization analysis	3
9	Genomic and phenomic insights from an atlas of genetic effects on DNA methylation	7
8	A phenome-wide multi-directional Mendelian randomization analysis of atrial fibrillation	1
7	An atlas of polygenic risk score associations to highlight putative causal relationships across the human phenome	1
6	The effect of plasma lipids and lipid lowering interventions on bone mineral density: a Mendelian randomization study	3
5	Investigating causal pathways between liability to ADHD and substance use, and liability to substance use and ADHD risk, using Mendelian randomization	1
4	A transcriptome-wide Mendelian randomization study to uncover tissue-dependent regulatory mechanisms across the human phenome	2
3	Phenome-wide Mendelian randomization mapping the influence of the plasma proteome on complex diseases	21
2	Causal epigenome-wide association study identifies CpG sites that influence cardiovascular disease risk	3
1	Dominant role of abdominal adiposity in circulating lipoprotein, lipid, and metabolite levels in UK Biobank: Mendelian randomization study	2