Tom G Richardson

List of Publications by Citations

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	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. *Nature Genetics*, **2019**, 51, 51-62	36.3	152
87	Evaluating the relationship between circulating lipoprotein lipids and apolipoproteins with risk of coronary heart disease: A multivariable Mendelian randomisation analysis. *PLoS Medicine*, **2020**, 17, e1003062	11.6	127
86	An atlas of polygenic risk score associations to highlight putative causal relationships across the human phenome. *ELife*, **2019**, 8,	8.9	90
85	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. *Nature Communications*, **2019**, 10, 1893	17.4	79
84	Phenome-wide Mendelian randomization mapping the influence of the plasma proteome on complex diseases. *Nature Genetics*, **2020**, 52, 1122-1131	36.3	75
83	Use of genetic variation to separate the effects of early and later life adiposity on disease risk: mendelian randomisation study. *BMJ, The*, **2020**, 369, m1203	5.9	61
82	Combined Effect of PNPLA3, TM6SF2, and HSD17B13 Variants on Risk of Cirrhosis and Hepatocellular Carcinoma in the General Population. *Hepatology*, **2020**, 72, 845-856	11.2	55
81	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. *American Journal of Human Genetics*, **2019**, 104, 112-138	11	54
80	Mendelian Randomization Analysis Identifies CpG Sites as Putative Mediators for Genetic Influences on Cardiovascular Disease Risk. *American Journal of Human Genetics*, **2017**, 101, 590-602	11	44
79	DNA methylation links prenatal smoking exposure to later life health outcomes in offspring. *Clinical Epigenetics*, **2019**, 11, 97	7.7	42
78	Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. *Hypertension*, **2019**, 74, 375-383	8.5	40
77	Systematic Mendelian randomization framework elucidates hundreds of CpG sites which may mediate the influence of genetic variants on disease. *Human Molecular Genetics*, **2018**, 27, 3293-3304	5.6	40
76	A transcriptome-wide Mendelian randomization study to uncover tissue-dependent regulatory mechanisms across the human phenome. *Nature Communications*, **2020**, 11, 185	17.4	27
75	PhenoSpD: an integrated toolkit for phenotypic correlation estimation and multiple testing correction using GWAS summary statistics. *GigaScience*, **2018**, 7,	7.6	27
74	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. *Nature Genetics*, **2021**, 53, 1311-1321	36.3	27
73	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nature Genetics*, **2020**, 52, 1314-1332	36.3	26
72	Investigating causality between liability to ADHD and substance use, and liability to substance use and ADHD risk, using Mendelian randomization. *Addiction Biology*, **2021**, 26, e12849	4.6	22

71	Phenome-wide Mendelian randomization mapping the influence of the plasma proteome on complex diseases		21
70	Genetic predictors of participation in optional components of UK Biobank. *Nature Communications*, **2021**, 12, 886	17.4	20
69	Prioritizing putative influential genes in cardiovascular disease susceptibility by applying tissue-specific Mendelian randomization. *Genome Medicine*, **2019**, 11, 6	14.4	19
68	The Effect of Plasma Lipids and Lipid-Lowering Interventions on Bone Mineral Density: A Mendelian Randomization Study. *Journal of Bone and Mineral Research*, **2020**, 35, 1224-1235	6.3	19
67	Influence of adiposity-related genetic markers in a population of saudi arabians where other variables influencing obesity may be reduced. *Disease Markers*, **2014**, 2014, 758232	3.2	19
66	Integrating Mendelian randomization and multiple-trait colocalization to uncover cell-specific inflammatory drivers of autoimmune and atopic disease. *Human Molecular Genetics*, **2019**, 28, 3293-3300	5.6	16
65	Integrating genomics with biomarkers and therapeutic targets to invigorate cardiovascular drug development. *Nature Reviews Cardiology*, **2021**, 18, 435-453	14.8	16
64	Characterizing the Causal Pathway for Genetic Variants Associated with Neurological Phenotypes Using Human Brain-Derived Proteome Data. *American Journal of Human Genetics*, **2020**, 106, 885-892	11	15
63	The use of negative control outcomes in Mendelian randomization to detect potential population stratification. *International Journal of Epidemiology*, **2021**, 50, 1350-1361	7.8	15
62	Identification of loci where DNA methylation potentially mediates genetic risk of type 1 diabetes. *Journal of Autoimmunity*, **2018**, 93, 66-75	15.5	14
61	Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. *Genome Biology*, **2021**, 22, 194	18.3	14
60	Evidence for DNA methylation mediating genetic liability to non-syndromic cleft lip/palate. *Epigenomics*, **2019**, 11, 133-145	4.4	14
59	Smoking, DNA Methylation, and Lung Function: a Mendelian Randomization Analysis to Investigate Causal Pathways. *American Journal of Human Genetics*, **2020**, 106, 315-326	11	12
58	A pathway-centric approach to rare variant association analysis. *European Journal of Human Genetics*, **2016**, 25, 123-129	5.3	11
57	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. *Human Molecular Genetics*, **2021** , 29, 3966-3973	5.6	11
56	Genetic predictors of participation in optional components of UK Biobank		10
55	Identifying drug targets for neurological and psychiatric disease via genetics and the brain transcriptome. *PLoS Genetics*, **2021**, 17, e1009224	6	10
54	Leveraging brain cortex-derived molecular data to elucidate epigenetic and transcriptomic drivers of complex traits and disease. *Translational Psychiatry*, **2019**, 9, 105	8.6	8

53	An integrative approach to detect epigenetic mechanisms that putatively mediate the influence of lifestyle exposures on disease susceptibility. *International Journal of Epidemiology*, **2019**, 48, 887-898	7.8	8
52	Structural and population-based evaluations of TBC1D1 p.Arg125Trp. *PLoS ONE*, **2013**, 8, e63897	3.7	8
51	Genome-wide association studies identify 137 loci for DNA methylation biomarkers of ageing		8
50	Childhood obesity and multiple sclerosis: A Mendelian randomization study. *Multiple Sclerosis Journal*, **2021**, 27, 2150-2158	5	8
49	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population. *PLoS ONE*, **2020**, 15, e0232292	3.7	7
48	Incorporating Non-Coding Annotations into Rare Variant Analysis. *PLoS ONE*, **2016**, 11, e0154181	3.7	7
47	Genomic and phenomic insights from an atlas of genetic effects on DNA methylation		7
46	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. *The Lancet Healthy Longevity*, **2021**, 2, e317-e326	9.5	7
45	Collapsed methylation quantitative trait loci analysis for low frequency and rare variants. *Human Molecular Genetics*, **2016**, 25, 4339-4349	5.6	7
44	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?. *Psychological Science*, **2019**, 30, 629-632	7.9	6
43	Identifying Highly Penetrant Disease Causal Mutations Using Next Generation Sequencing: Guide to Whole Process. *BioMed Research International*, **2015**, 2015, 923491	3	6
42	Apolipoprotein B underlies the causal relationship of circulating blood lipids with coronary heart disease		5
41	A Protein Domain and Family Based Approach to Rare Variant Association Analysis. *PLoS ONE*, **2016**, 11, e0153803	3.7	5
40	Using Y-Chromosomal Haplogroups in Genetic Association Studies and Suggested Implications. *Genes*, **2018**, 9,	4.2	4
39	Evaluating the role of a galanin enhancer genotype on a range of metabolic, depressive and addictive phenotypes. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2014**, 165B, 654-64	3.5	4
38	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. *Diabetes Care*, **2021**,	14.6	4
37	Can the impact of childhood adiposity on disease risk be reversed? A Mendelian randomization study		4
36	Evaluating the direct effects of childhood adiposity on adult systemic metabolism: a multivariable Mendelian randomization analysis. *International Journal of Epidemiology*, **2021**, 50, 1580-1592	7.8	4

35	The causal effects of serum lipids and apolipoproteins on kidney function: multivariable and bidirectional Mendelian-randomization analyses. *International Journal of Epidemiology*, **2021**, 50, 1569-1579	7.8	4
34	Evaluating the effects of cardiometabolic exposures on circulating proteins which may contribute to severe SARS-CoV-2. *EBioMedicine*, **2021**, 64, 103228	8.8	4
33	Multi-omics analyses of cognitive traits and psychiatric disorders highlights brain-dependent mechanisms. *Human Molecular Genetics*, **2021**,	5.6	4
32	Common mechanisms for type 2 diabetes and psychosis: Findings from a prospective birth cohort. *Schizophrenia Research*, **2020**, 223, 227-235	3.6	3
31	PhenoSpD: an integrated toolkit for phenotypic correlation estimation and multiple testing correction using GWAS summary statistics		3
30	Systematic Mendelian randomization framework elucidates hundreds of genetic loci which may influence disease through changes in DNA methylation levels		3
29	The role of gene expression on human sexual dimorphism: too early to call		3
28	The use of negative control outcomes in Mendelian Randomisation to detect potential population stratification or selection bias		3
27	Evaluating the direct effects of childhood adiposity on adult systemic-metabolism: A multivariable Mendelian randomization analysis		3
26	The effect of plasma lipids and lipid lowering interventions on bone mineral density: a Mendelian randomization study		3
25	Causal epigenome-wide association study identifies CpG sites that influence cardiovascular disease risk		3
24	Triangulating Molecular Evidence to Prioritize Candidate Causal Genes at Established Atopic Dermatitis Loci. *Journal of Investigative Dermatology*, **2021**, 141, 2620-2629	4.3	3
23	Characterising metabolomic signatures of lipid-modifying therapies through drug target mendelian randomisation.. *PLoS Biology*, **2022**, 20, e3001547	9.7	3
22	Genetically proxied therapeutic inhibition of antihypertensive drug targets and risk of common cancers: A mendelian randomization analysis.. *PLoS Medicine*, **2022**, 19, e1003897	11.6	2
21	A transcriptome-wide Mendelian randomization study to uncover tissue-dependent regulatory mechanisms across the human phenome		2
20	Dominant role of abdominal adiposity in circulating lipoprotein, lipid, and metabolite levels in UK Biobank: Mendelian randomization study		2
19	Computational Tools for Causal Inference in Genetics. *Cold Spring Harbor Perspectives in Medicine*, **2021**, 11,	5.4	2
18	Investigation of the Interplay between Circulating Lipids and IGF-I and Relevance to Breast Cancer Risk: An Observational and Mendelian Randomization Study. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 2207-2216	4	2

17	Evaluating and implementing block jackknife resampling Mendelian randomization to mitigate bias induced by overlapping samples		1
16	A genome-wide association study of childhood adiposity and blood lipids. *Wellcome Open Research* ,6, 303	4.8	1
15	Estimation of causal effects of a time-varying exposure at multiple time points through Multivariable Mendelian randomization		1
14	A phenome-wide multi-directional Mendelian randomization analysis of atrial fibrillation		1
13	An atlas of polygenic risk score associations to highlight putative causal relationships across the human phenome		1
12	Investigating causal pathways between liability to ADHD and substance use, and liability to substance use and ADHD risk, using Mendelian randomization		1
11	Exploring the Effects of Cigarette Smoking on Inflammatory Bowel Disease Using Mendelian Randomization. *Crohnls & Colitis 360*, **2020**, 2, otaa018	1.4	1
10	Harnessing Whole Genome Polygenic Risk Scores to Stratify Individuals Based on Cardiometabolic Risk Factors and Biomarkers at Age 10 in the Lifecourse.. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2022**, ATVBAHA121316650	9.4	0
9	Integrative multiomics analysis highlights immune-cell regulatory mechanisms and shared genetic architecture for 14 immune-associated diseases and cancer outcomes. *American Journal of Human Genetics*, **2021**, 108, 2259-2270	11	0
8	Mendelian Randomization Analyses Suggest Childhood Body Size Indirectly Influences End Points From Across the Cardiovascular Disease Spectrum Through Adult Body Size. *Journal of the American Heart Association*, **2021**, 10, e021503	6	0
7	Applying Mendelian randomization to appraise causality in relationships between nutrition and cancer.. *Cancer Causes and Control*, **2022**, 1	2.8	0
6	Deciphering how early life adiposity influences breast cancer risk using Mendelian randomization.. *Communications Biology*, **2022**, 5, 337	6.7	0
5	Childhood body size directly increases type 1 diabetes risk based on a lifecourse Mendelian randomization approach.. *Nature Communications*, **2022**, 13, 2337	17.4	0
4	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population **2020**, 15, e0232292		
3	Pleiotropy of polygenic factors associated with focal and generalized epilepsy in the general population **2020**, 15, e0232292		
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