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effect estimation and bias detection through Egger regression

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2247	Biomarkers of Inflammation and Immune Function and Risk of Colorectal Cancer. 2015 , 11, 250-258		24
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1675	The causal relationships of device-measured physical activity with bipolar disorder and schizophrenia in adults: A 2-Sample mendelian randomization study. 2020 , 263, 598-604	5
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1645	Androgen Signaling Regulates SARS-CoV-2 Receptor Levels and Is Associated with Severe COVID-19 Symptoms in Men. 2020 , 27, 876-889.e12		85
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1642	An iterative approach to detect pleiotropy and perform Mendelian Randomization analysis using GWAS summary statistics. 2021 , 37, 1390-1400		8

1641	A mendelian randomization study on causal effects of 25(OH)vitamin D levels on attention deficit/hyperactivity disorder. 2021 , 60, 2581-2591	2
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1638	Causal Inference between Rheumatoid Arthritis and Breast Cancer in East Asian and European Population: A Two-Sample Mendelian Randomization. 2020 , 12,	2
1637	The Effect of Blood Lipids on the Left Ventricle: A Mendelian Randomization Study. 2020 , 76, 2477-2488	10
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1634	Tutorial: a guide to performing polygenic risk score analyses. 2020 , 15, 2759-2772	227
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1620	Genome-wide association study of self-reported walking pace suggests beneficial effects of brisk walking on health and survival. 2020 , 3, 634	5
1619	Genetic predisposition to longer telomere length and risk of childhood, adolescent and adult-onset ependymoma. 2020 , 8, 173	9
1618	Causal Effects of Sleep Traits on Ischemic Stroke and Its Subtypes: A Mendelian Randomization Study. 2020 , 12, 783-790	7
1617	Morning diurnal preference and food intake: a Mendelian randomization study. 2020 , 112, 1348-1357	4
1616	Association of blood pressure with cognitive function at midlife: a Mendelian randomization study. 2020 , 13, 121	3
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1614	Higher Fibroblast Growth Factor 23 Levels Are Causally Associated With Lower Bone Mineral Density of Heel and Femoral Neck: Evidence From Two-Sample Mendelian Randomization Analysis. 2020 , 8, 467	5
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1457	Genome-wide association study of non-tuberculous mycobacterial pulmonary disease. 2021 , 76, 169-177	1
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968	Assessing the causal role of body mass index on cardiovascular health in young adults: Mendelian randomization and recall-by-genotype analyses.		3
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966	Testing the principles of Mendelian randomization: Opportunities and complications on a genome-wide scale.		3
965	Robust inference in summary data Mendelian randomisation via the zero modal pleiotropy assumption.		20
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949	Bi-directional effects between loneliness and substance use: Evidence from a Mendelian randomisation study.	2
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946	Dissecting the association of C-reactive protein levels with PTSD, traumatic events, and social support.	1
945	Exploring and mitigating potential bias when genetic instrumental variables are associated with multiple non-exposure traits in Mendelian randomization.	8
944	A multivariable Mendelian randomization to appraise the pleiotropy between intelligence, education, and bipolar disorder in relation to schizophrenia.	2
943	The GENIUS Approach to Robust Mendelian Randomization Inference.	4
942	Improving the visualisation, interpretation and analysis of two-sample summary data Mendelian randomization via the radial plot and radial regression.	6
941	Integrative analysis of the plasma proteome and polygenic risk of cardiometabolic diseases.	4
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939	Simultaneous estimation of bi-directional causal effects and heritable confounding from GWAS summary statistics.	8
938	Genetically determined body mass index mediates the effect of smoking on type 2 diabetes risk, but not coronary artery disease risk.	1
937	Slope-Hunter: A robust method for index-event bias correction in genome-wide association studies of subsequent traits.	7
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935	Evidence that Telomere Length is Causal for Idiopathic Pulmonary Fibrosis but not Chronic Obstructive Pulmonary Disease: A Mendelian Randomisation Study.	2
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933	Profile-likelihood Bayesian model averaging for two-sample summary data Mendelian randomization in the presence of horizontal pleiotropy.	1
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928	Elucidating mechanisms of genetic cross-disease associations: an integrative approach implicates protein C as a causal pathway in arterial and venous diseases.	2
927	Adiposity, metabolites, and colorectal cancer risk: Mendelian randomization study.	2
926	Unhealthy Behaviours and Parkinson's Disease: A Mendelian Randomisation Study.	1
925	Testing and Correcting for Weak and Pleiotropic Instruments in Two-Sample Multivariable Mendelian Randomisation.	23
924	Causal relationships between substance use and insomnia.	2
923	ACE inhibition and cardiometabolic risk factors, lung ACE2 and TMPRSS2 gene expression, and plasma ACE2 levels: a Mendelian randomization study.	4
922	Deciphering the causal relationship between blood metabolites and Alzheimer's Disease: a Mendelian Randomization study.	0

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920	Identification of 370 genetic loci for age at first sex and birth linked to externalising behaviour.	3
919	The use of two-sample methods for Mendelian randomization analyses on single large datasets.	12
918	The use of negative control outcomes in Mendelian Randomisation to detect potential population stratification or selection bias.	3
917	Effects of adiposity on the human plasma proteome: Observational and Mendelian randomization estimates.	1
916	Cardiometabolic traits, sepsis and severe covid-19: a Mendelian randomization investigation.	7
915	Genetically informed precision drug repurposing for lung function and implications for respiratory infection.	2
914	Large-scale association analyses identify host factors influencing human gut microbiome composition.	9
913	Genome-wide association studies identify 137 loci for DNA methylation biomarkers of ageing.	8
912	Inter-determination of blood metabolite levels and gut microbiome supported by Mendelian randomization.	5
911	The genetic architecture of human infectious diseases and pathogen-induced cellular phenotypes.	0
910	Atrial fibrillation and kidney function: A bidirectional Mendelian randomization study.	1
909	Physical activity, BMI and COVID-19: an observational and Mendelian randomisation study.	3
908	Genome-wide association and Mendelian randomization analysis prioritizes bioactive metabolites with putative causal effects on common diseases.	4
907	A combined proteomics and Mendelian randomization approach to investigate the effects of aspirin-targeted proteins on colorectal cancer.	1
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904	Investigating the causal nature of the relationship of subcortical brain volume with smoking and alcohol use.	1

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902	Mapping genomic loci prioritises genes and implicates synaptic biology in schizophrenia.	68
901	Combined effects of host genetics and diet on human gut microbiota and incident disease in a single population cohort.	4
900	A functional variant of the SIDT2 gene involved in cholesterol transport is associated with HDL-C levels and premature coronary artery disease.	0
899	Multi-omics highlights ABO plasma protein as a causal risk factor for COVID-19.	3
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897	Modifiable lifestyle factors and severe COVID-19 risk: Evidence from Mendelian randomization analysis.	3
896	Effect of host genetics on the gut microbiome in 7,738 participants of the Dutch Microbiome Project.	0
895	Causal effect of atrial fibrillation on brain white or grey matter volume: A Mendelian randomization study.	1
894	Distinguishing genetic correlation from causation across 52 diseases and complex traits.	10
893	A Bayesian approach to mediation analysis predicts 206 causal target genes in Alzheimer's disease.	7
892	Transcriptome-wide association studies accounting for colocalization using Egger regression.	4
891	Causal inference in cancer epidemiology: what is the role of Mendelian randomization?.	1
890	Searching for the causal effects of BMI in over 300 000 individuals, using Mendelian randomization.	2
889	Probabilistic fine-mapping of transcriptome-wide association studies.	9
888	Cigarette smoking and personality: Investigating causality using Mendelian randomization.	1
887	Biological and clinical insights from genetics of insomnia symptoms.	2
886	Evidence for genetic correlations and bidirectional, causal effects between smoking and sleep behaviours.	3

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884	Body mass index and mortality in UK Biobank: revised estimates using Mendelian randomization.	1
883	Appraising the causal relevance of DNA methylation for risk of lung cancer.	3
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881	The effect of body mass index on smoking behaviour and nicotine metabolism: a Mendelian randomization study.	2
880	An examination of multivariable Mendelian randomization in the single sample and two-sample summary data settings.	19
879	HOPS: a quantitative score reveals pervasive horizontal pleiotropy in human genetic variation is driven by extreme polygenicity of human traits and diseases.	5
878	Causal relationships between blood lipids and depression phenotypes: A Mendelian randomization analysis.	2
877	Dominance rank-associated immune gene expression is widespread, sex-specific, and a precursor to high social status in wild male baboons.	3
876	Mendelian Randomization Analysis Using Mixture Models (MRMix) for Genetic Effect-Size-Distribution Leads to Robust Estimation of Causal Effects.	4
875	Mendelian Randomization integrating GWAS and eQTL data reveals genetic determinants of complex and clinical traits.	4
874	Selecting causal risk factors from high-throughput experiments using multivariable Mendelian randomization.	5
873	Education, intelligence and Alzheimer disease: Evidence from a multivariable two-sample Mendelian randomization study.	12
872	Evidence of causal effect of major depression on alcohol dependence: Findings from the Psychiatric Genomics Consortium.	4
871	Alcohol consumption and mate choice in UK Biobank: comparing observational and Mendelian randomization estimates.	2
870	Genome-wide meta-analysis of depression identifies 102 independent variants and highlights the importance of the prefrontal brain regions.	8
869	Adjustment for index event bias in genome-wide association studies of subsequent events.	1
868	Genetic variants related to antihypertensive targets inform drug efficacy and side effects.	2

867	An atlas of polygenic risk score associations to highlight putative causal relationships across the human phenome.	1
866	Phenome-wide Investigation of Health Outcomes Associated with Genetic Predisposition to Loneliness.	4
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864	The effect of plasma lipids and lipid lowering interventions on bone mineral density: a Mendelian randomization study.	3
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856	Shared mechanisms between coronary heart disease and depression: findings from a large UK general population-based cohort.	2
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852	Genetic analysis identifies molecular systems and biological pathways associated with household income.	1
851	Bayesian variable selection with a pleiotropic loss function in Mendelian randomization.	1
850	Within-family studies for Mendelian randomization: avoiding dynastic, assortative mating, and population stratification biases.	32

849	The Parkinson's Disease Mendelian Randomization Research Portal.	3
848	Phenome-wide Mendelian randomization mapping the influence of the plasma proteome on complex diseases.	21
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