

Neil Martin Davies

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.

146
papers

5,272
citations

38
h-index

69
g-index

189
ext. papers

8,912
ext. citations

7.6
avg, IF

6.42
L-index

#	Paper	IF	Citations
146	Little genomic support for Cyclophilin A-matrix metalloproteinase-9 pathway as a therapeutic target for cognitive impairment in APOE4 carriers.. <i>Scientific Reports</i> , 2022 , 12, 1057	4.9	
145	Separating the direct effects of traits on atherosclerotic cardiovascular disease from those mediated by type 2 diabetes.. <i>Diabetologia</i> , 2022 , 1	10.3	1
144	Applying Mendelian randomization to appraise causality in relationships between nutrition and cancer.. <i>Cancer Causes and Control</i> , 2022 , 1	2.8	0
143	Investigating how the accuracy of teacher expectations of pupil performance relate to socioeconomic and genetic factors.. <i>Scientific Reports</i> , 2022 , 12, 7120	4.9	
142	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects.. <i>Nature Genetics</i> , 2022 , 54, 581-592	36.3	6
141	Assortative mating and within-spouse pair comparisons. <i>PLoS Genetics</i> , 2021 , 17, e1009883	6	0
140	Consistency of noncognitive skills and their relation to educational outcomes in a UK cohort. <i>Translational Psychiatry</i> , 2021 , 11, 563	8.6	
139	Investigating the causal relationship between allergic disease and mental health. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 1449-1458	4.1	1
138	Strengthening the reporting of observational studies in epidemiology using mendelian randomisation (STROBE-MR): explanation and elaboration. <i>BMJ, The</i> , 2021 , 375, n2233	5.9	24
137	Strengthening the Reporting of Observational Studies in Epidemiology Using Mendelian Randomization: The STROBE-MR Statement. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 1614-1621	27.4	32
136	BMI is unlikely to be a plausible intervention target for reducing the incidence of dementia. <i>International Journal of Epidemiology</i> , 2021 , 50, 1040-1041	7.8	1
135	Mendelian randomisation for mediation analysis: current methods and challenges for implementation. <i>European Journal of Epidemiology</i> , 2021 , 36, 465-478	12.1	27
134	Is genetic liability to ADHD and ASD causally linked to educational attainment?. <i>International Journal of Epidemiology</i> , 2021 ,	7.8	4
133	Association Between Genetic Variation in Blood Pressure and Increased Lifetime Risk of Peripheral Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2027-2034	9.4	7
132	Effects of increased body mass index on employment status: a Mendelian randomisation study. <i>International Journal of Obesity</i> , 2021 , 45, 1790-1801	5.5	1
131	Integrating Family-Based and Mendelian Randomization Designs. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021 , 11,	5.4	9
130	Risk of neuropsychiatric and cardiovascular adverse events following treatment with varenicline and nicotine replacement therapy in the UK Clinical Practice Research Datalink: a case-cross-over study. <i>Addiction</i> , 2021 , 116, 1532-1545	4.6	3

129	Are there causal relationships between attention-deficit/hyperactivity disorder and body mass index? Evidence from multiple genetically informed designs. <i>International Journal of Epidemiology</i> , 2021 , 50, 496-509	7.8	6
128	Causal effect of children's secondary education on parental health outcomes: findings from a natural experiment in Botswana. <i>BMJ Open</i> , 2021 , 11, e043247	3	
127	Mendelian randomization for studying the effects of perturbing drug targets. <i>Wellcome Open Research</i> , 2021 , 6, 16	4.8	15
126	Common health conditions in childhood and adolescence, school absence, and educational attainment: Mendelian randomization study. <i>Npj Science of Learning</i> , 2021 , 6, 1	6	9
125	Genetically Predicted Blood Pressure and Risk of Atrial Fibrillation. <i>Hypertension</i> , 2021 , 77, 376-382	8.5	5
124	Mendelian randomization for studying the effects of perturbing drug targets. <i>Wellcome Open Research</i> , 2021 , 6, 16	4.8	11
123	Integrating genomics with biomarkers and therapeutic targets to invigorate cardiovascular drug development. <i>Nature Reviews Cardiology</i> , 2021 , 18, 435-453	14.8	16
122	Long-term cost-effectiveness of interventions for obesity: A mendelian randomisation study. <i>PLoS Medicine</i> , 2021 , 18, e1003725	11.6	1
121	Interpreting Mendelian-randomization estimates of the effects of categorical exposures such as disease status and educational attainment. <i>International Journal of Epidemiology</i> , 2021 ,	7.8	5
120	Cleft lip/palate and educational attainment: cause, consequence or correlation? A Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2020 , 49, 1282-1293	7.8	12
119	Mendel's laws, Mendelian randomization and causal inference in observational data: substantive and nomenclatural issues. <i>European Journal of Epidemiology</i> , 2020 , 35, 99-111	12.1	38
118	Can genetics reveal the causes and consequences of educational attainment?. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2020 , 183, 681-688	2.1	0
117	Mendelian Randomization analysis of the causal effect of adiposity on hospital costs. <i>Journal of Health Economics</i> , 2020 , 70, 102300	3.5	12
116	Can education be personalised using pupils' genetic data?. <i>ELife</i> , 2020 , 9,	8.9	15
115	Varenicline versus nicotine replacement therapy for long-term smoking cessation: an observational study using the Clinical Practice Research Datalink. <i>Health Technology Assessment</i> , 2020 , 24, 1-46	4.4	1
114	Education, intelligence and Alzheimer's disease: evidence from a multivariable two-sample Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2020 , 49, 1163-1172	7.8	32
113	Early Childhood General Anesthesia and Neurodevelopmental Outcomes in the Avon Longitudinal Study of Parents and Children Birth Cohort. <i>Anesthesiology</i> , 2020 , 133, 1007-1020	4.3	16
112	Comparison of Antihypertensive Drug Classes for Dementia Prevention. <i>Epidemiology</i> , 2020 , 31, 852-859	3.1	2

111	Effects of body mass index on relationship status, social contact and socio-economic position: Mendelian randomization and within-sibling study in UK Biobank. <i>International Journal of Epidemiology</i> , 2020 , 49, 1173-1184	7.8	19
110	Comparison with randomized controlled trials as a strategy for evaluating instruments in Mendelian randomization. <i>International Journal of Epidemiology</i> , 2020 , 49, 1404-1406	7.8	7
109	Avoiding dynastic, assortative mating, and population stratification biases in Mendelian randomization through within-family analyses. <i>Nature Communications</i> , 2020 , 11, 3519	17.4	83
108	Effect of Education on Myopia: Evidence from the United Kingdom ROSLA 1972 Reform 2020 , 61, 7		10
107	Cardiometabolic Traits, Sepsis, and Severe COVID-19: A Mendelian Randomization Investigation. <i>Circulation</i> , 2020 , 142, 1791-1793	16.7	48
106	The causal effects of health conditions and risk factors on social and socioeconomic outcomes: Mendelian randomization in UK Biobank. <i>International Journal of Epidemiology</i> , 2020 , 49, 1661-1681	7.8	11
105	Collider bias undermines our understanding of COVID-19 disease risk and severity. <i>Nature Communications</i> , 2020 , 11, 5749	17.4	274
104	Prescribing Prevalence, Effectiveness, and Mental Health Safety of Smoking Cessation Medicines in Patients With Mental Disorders. <i>Nicotine and Tobacco Research</i> , 2020 , 22, 48-57	4.9	23
103	Repurposing antihypertensive drugs for the prevention of Alzheimer's disease: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2020 , 49, 1132-1140	7.8	27
102	Is population structure in the genetic biobank era irrelevant, a challenge, or an opportunity?. <i>Human Genetics</i> , 2020 , 139, 23-41	6.3	32
101	Population phenomena inflate genetic associations of complex social traits. <i>Science Advances</i> , 2020 , 6, eaay0328	14.3	41
100	Apparent latent structure within the UK Biobank sample has implications for epidemiological analysis. <i>Nature Communications</i> , 2019 , 10, 333	17.4	131
99	Searching for the causal effects of body mass index in over 300 000 participants in UK Biobank, using Mendelian randomization. <i>PLoS Genetics</i> , 2019 , 15, e1007951	6	40
98	Understanding the consequences of education inequality on cardiovascular disease: mendelian randomisation study. <i>BMJ, The</i> , 2019 , 365, l1855	5.9	76
97	Schizophrenia risk and reproductive success: a Mendelian randomization study. <i>Royal Society Open Science</i> , 2019 , 6, 181049	3.3	8
96	On the Use of the Lasso for Instrumental Variables Estimation with Some Invalid Instruments. <i>Journal of the American Statistical Association</i> , 2019 , 114, 1339-1350	2.8	38
95	Comment on the Relationship Between Common Variant Schizophrenia Liability and Number of Offspring in the UK Biobank. <i>American Journal of Psychiatry</i> , 2019 , 176, 573-574	11.9	1
94	Within family Mendelian randomization studies. <i>Human Molecular Genetics</i> , 2019 , 28, R170-R179	5.6	47

93	Using the MR-Base platform to investigate risk factors and drug targets for thousands of phenotypes. <i>Wellcome Open Research</i> , 2019 , 4, 113	4.8	18
92	Using the MR-Base platform to investigate risk factors and drug targets for thousands of phenotypes. <i>Wellcome Open Research</i> , 2019 , 4, 113	4.8	26
91	Guidelines for performing Mendelian randomization investigations. <i>Wellcome Open Research</i> , 2019 , 4, 186	4.8	154
90	Guidelines for performing Mendelian randomization investigations. <i>Wellcome Open Research</i> , 2019 , 4, 186	4.8	133
89	Multivariable two-sample Mendelian randomization estimates of the effects of intelligence and education on health. <i>ELife</i> , 2019 , 8,	8.9	39
88	Author response: Can education be personalised using pupils' genetic data? 2019 ,		4
87	Use of varenicline and nicotine replacement therapy in people with and without general practitioner-recorded dementia: retrospective cohort study of routine electronic medical records. <i>BMJ Open</i> , 2019 , 9, e027569	3	
86	Long-term effectiveness and safety of varenicline and nicotine replacement therapy in people with neurodevelopmental disorders: A prospective cohort study. <i>Scientific Reports</i> , 2019 , 9, 19488	4.9	4
85	Genetic evidence for assortative mating on alcohol consumption in the UK Biobank. <i>Nature Communications</i> , 2019 , 10, 5039	17.4	21
84	Selection Bias When Estimating Average Treatment Effects Using One-sample Instrumental Variable Analysis. <i>Epidemiology</i> , 2019 , 30, 350-357	3.1	33
83	Genome-wide analysis identifies molecular systems and 149 genetic loci associated with income. <i>Nature Communications</i> , 2019 , 10, 5741	17.4	42
82	Genome-Wide Association Transethnic Meta-Analyses Identifies Novel Associations Regulating Coagulation Factor VIII and von Willebrand Factor Plasma Levels. <i>Circulation</i> , 2019 , 139, 620-635	16.7	51
81	Effect modification of FADS2 polymorphisms on the association between breastfeeding and intelligence: results from a collaborative meta-analysis. <i>International Journal of Epidemiology</i> , 2019 , 48, 45-57	7.8	2
80	A genome-wide association study identifies new loci for factor VII and implicates factor VII in ischemic stroke etiology. <i>Blood</i> , 2019 , 133, 967-977	2.2	17
79	Software application profile: mrrobust tool for performing two-sample summary Mendelian randomization analyses. <i>International Journal of Epidemiology</i> , 2019 , 48, 684-690	7.8	58
78	Infant feeding and growth: putting the horse before the cart. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 635-639	7	6
77	The Causal Effects of Education on Health Outcomes in the UK Biobank. <i>Nature Human Behaviour</i> , 2018 , 2, 117-125	12.8	95
76	Confounding by ill health in the observed association between BMI and mortality: evidence from the HUNT Study using offspring BMI as an instrument. <i>International Journal of Epidemiology</i> , 2018 , 47, 760-770	7.8	16

75	Outcome trends and safety measures after 30 years of laparoscopic cholecystectomy: a systematic review and pooled data analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018 , 32, 2175-2183	5.2	82
74	The effects of prescribing varenicline on two-year health outcomes: an observational cohort study using electronic medical records. <i>Addiction</i> , 2018 , 113, 1105-1116	4.6	9
73	What is the impact of regulatory guidance and expiry of drug patents on dementia drug prescriptions in England? A trend analysis in the Clinical Practice Research Datalink. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 51	9	6
72	Reading Mendelian randomisation studies: a guide, glossary, and checklist for clinicians. <i>BMJ, The</i> , 2018 , 362, k601	5.9	576
71	Bias in Mendelian randomization due to assortative mating. <i>Genetic Epidemiology</i> , 2018 , 42, 608-620	2.6	37
70	Exploring the association of genetic factors with participation in the Avon Longitudinal Study of Parents and Children. <i>International Journal of Epidemiology</i> , 2018 , 47, 1207-1216	7.8	94
69	Education and myopia: assessing the direction of causality by mendelian randomisation. <i>BMJ, The</i> , 2018 , 361, k2022	5.9	94
68	Evaluation of the causal effects between subjective wellbeing and cardiometabolic health: mendelian randomisation study. <i>BMJ, The</i> , 2018 , 362, k3788	5.9	34
67	A systematic review and meta-analysis of effects of early life non-cognitive skills on academic, psychosocial, cognitive and health outcomes. <i>Nature Human Behaviour</i> , 2018 , 2, 867-880	12.8	49
66	Testing the validity of value-added measures of educational progress with genetic data. <i>British Educational Research Journal</i> , 2018 , 44, 725-747	1.6	16
65	Software Application Profile: PHESANT: a tool for performing automated phenome scans in UK Biobank. <i>International Journal of Epidemiology</i> , 2018 , 47, 29-35	7.8	70
64	Response to: Long-term smoking cessation: from general practice to public health. <i>International Journal of Epidemiology</i> , 2018 , 47, 1356	7.8	
63	Power calculator for instrumental variable analysis in pharmacoepidemiology. <i>International Journal of Epidemiology</i> , 2017 , 46, 1627-1632	7.8	8
62	Information and choice of A-level subjects: A cluster randomised controlled trial with linked administrative data. <i>British Educational Research Journal</i> , 2017 , 43, 647-670	1.6	1
61	Influences on antidepressant prescribing trends in the UK: 1995-2011. <i>Social Psychiatry and Psychiatric Epidemiology</i> , 2017 , 52, 193-200	4.5	71
60	Alcohol consumption and prostate cancer incidence and progression: A Mendelian randomisation study. <i>International Journal of Cancer</i> , 2017 , 140, 75-85	7.5	22
59	Mendelian randomization: a novel approach for the prediction of adverse drug events and drug repurposing opportunities. <i>International Journal of Epidemiology</i> , 2017 , 46, 2078-2089	7.8	57
58	The effectiveness of varenicline versus nicotine replacement therapy on long-term smoking cessation in primary care: a prospective cohort study of electronic medical records. <i>International Journal of Epidemiology</i> , 2017 , 46, 1948-1957	7.8	35

57	How to compare instrumental variable and conventional regression analyses using negative controls and bias plots. <i>International Journal of Epidemiology</i> , 2017 , 46, 2067-2077	7.8	19
56	Breastfeeding effects on DNA methylation in the offspring: A systematic literature review. <i>PLoS ONE</i> , 2017 , 12, e0173070	3.7	36
55	Effect modification of FADS2 polymorphisms on the association between breastfeeding and intelligence: protocol for a collaborative meta-analysis. <i>BMJ Open</i> , 2016 , 6, e010067	3	4
54	Estimating Marginal Healthcare Costs Using Genetic Variants as Instrumental Variables: Mendelian Randomization in Economic Evaluation. <i>Pharmacoeconomics</i> , 2016 , 34, 1075-1086	4.4	14
53	Psychosocial Assessment of Self-Harm Patients and Risk of Repeat Presentation: An Instrumental Variable Analysis Using Time of Hospital Presentation. <i>PLoS ONE</i> , 2016 , 11, e0149713	3.7	34
52	Can commonly prescribed drugs be repurposed for the prevention or treatment of Alzheimer's and other neurodegenerative diseases? Protocol for an observational cohort study in the UK Clinical Practice Research Datalink. <i>BMJ Open</i> , 2016 , 6, e012044	3	8
51	Bias due to participant overlap in two-sample Mendelian randomization. <i>Genetic Epidemiology</i> , 2016 , 40, 597-608	2.6	375
50	Paradoxical Relationship Between Body Mass Index and Thyroid Hormone Levels: A Study Using Mendelian Randomization. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 730-8	5.6	31
49	Why internal weights should be avoided (not only) in MR-Egger regression. <i>International Journal of Epidemiology</i> , 2016 , 45, 1676-1678	7.8	24
48	Blood lipids and prostate cancer: a Mendelian randomization analysis. <i>Cancer Medicine</i> , 2016 , 5, 1125-36	4.8	45
47	Smoking and diabetes: strengthening causal inference. <i>Lancet Diabetes and Endocrinology</i> , 2015 , 3, 395-396	18.1	6
46	The effects of height and BMI on prostate cancer incidence and mortality: a Mendelian randomization study in 20,848 cases and 20,214 controls from the PRACTICAL consortium. <i>Cancer Causes and Control</i> , 2015 , 26, 1603-16	2.8	56
45	An even clearer portrait of bias in observational studies?. <i>Epidemiology</i> , 2015 , 26, 505-8	3.1	14
44	Cardiovascular and neuropsychiatric risks of varenicline: too good to be true?. <i>Lancet Respiratory Medicine</i> , 2015 , 3, e39-40	35.1	3
43	The many weak instruments problem and Mendelian randomization. <i>Statistics in Medicine</i> , 2015 , 34, 454-68	6.8	64
42	What are the effects of varenicline compared with nicotine replacement therapy on long-term smoking cessation and clinically important outcomes? Protocol for a prospective cohort study. <i>BMJ Open</i> , 2015 , 5, e009665	3	7
41	The role of common genetic variation in educational attainment and income: evidence from the National Child Development Study. <i>Scientific Reports</i> , 2015 , 5, 16509	4.9	10
40	MR-PheWAS: hypothesis prioritization among potential causal effects of body mass index on many outcomes, using Mendelian randomization. <i>Scientific Reports</i> , 2015 , 5, 16645	4.9	57

39	Importance of national context in the translation of personalised treatments for smoking cessation. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 91-93	35.1	
38	Mendelian randomization in health research: using appropriate genetic variants and avoiding biased estimates. <i>Economics and Human Biology</i> , 2014 , 13, 99-106	2.6	99
37	Paying for quality? Associations between private school income, performance and use of resources. <i>British Educational Research Journal</i> , 2014 , 40, 421-440	1.6	7
36	Cultural and human capital, information and higher education choices. <i>Journal of Education Policy</i> , 2014 , 29, 804-825	1.7	29
35	Instrumental variable analysis with a nonlinear exposure-outcome relationship. <i>Epidemiology</i> , 2014 , 25, 877-85	3.1	86
34	Physicians' prescribing preferences were a potential instrument for patients' actual prescriptions of antidepressants. <i>Journal of Clinical Epidemiology</i> , 2013 , 66, 1386-96	5.7	37
33	Issues in the reporting and conduct of instrumental variable studies: a systematic review. <i>Epidemiology</i> , 2013 , 24, 363-9	3.1	91
32	COX-2 selective nonsteroidal anti-inflammatory drugs and risk of gastrointestinal tract complications and myocardial infarction: an instrumental variable analysis. <i>Epidemiology</i> , 2013 , 24, 352-62	3.1	30
31	Validation of suicide and self-harm records in the Clinical Practice Research Datalink. <i>British Journal of Clinical Pharmacology</i> , 2013 , 76, 145-57	3.8	61
30	Smoking cessation treatment and risk of depression, suicide, and self harm in the Clinical Practice Research Datalink: prospective cohort study. <i>BMJ, The</i> , 2013 , 347, f5704	5.9	88
29	Associations of angiotensin targeting antihypertensive drugs with mortality and hospitalization in primary care patients with dementia. <i>Journal of Alzheimer's Disease</i> , 2013 , 33, 999-1008	4.3	25
28	Do Teachers Matter? Measuring the Variation in Teacher Effectiveness in England*. <i>Oxford Bulletin of Economics and Statistics</i> , 2012 , 74, 629-645	2.5	59
27	Associations of anti-hypertensive treatments with Alzheimer's disease, vascular dementia, and other dementias. <i>Journal of Alzheimer's Disease</i> , 2011 , 26, 699-708	4.3	168
26	Use of genotype frequencies in medicated groups to investigate prescribing practice: APOE and statins as a proof of principle. <i>Clinical Chemistry</i> , 2011 , 57, 502-10	5.5	10
25	Is infant weight associated with childhood blood pressure? Analysis of the Promotion of Breastfeeding Intervention Trial (PROBIT) cohort. <i>International Journal of Epidemiology</i> , 2011 , 40, 1227-37	7.8	41
24	Pre-natal and post-natal growth trajectories and childhood cognitive ability and mental health. <i>International Journal of Epidemiology</i> , 2011 , 40, 1215-26	7.8	44
23	Choosing in schools: locating the benefits of specialisation. <i>Oxford Review of Education</i> , 2009 , 35, 147-167	7.6	12
22	Pharmacoepidemiology in pregnancy: analysis protocol for an observational cohort study in the UK Clinical Practice Research Datalink. <i>Wellcome Open Research</i> , 7 , 12	4.8	

21	STROBE-MR: Guidelines for strengthening the reporting of Mendelian randomization studies	9
20	Testing the causal effects between subjective wellbeing and physical health using Mendelian randomisation	1
19	The causal effect of adiposity on hospital costs: Mendelian Randomization analysis of over 300,000 individuals from the UK Biobank	2
18	Interpreting Mendelian randomization estimates of the effects of categorical exposures such as disease status and educational attainment	2
17	The Causal Effects of Education on Health, Mortality, Cognition, Well-being, and Income in the UK Biobank	5
16	Software Application Profile: mrrobust - a tool for performing two-sample summary Mendelian randomization analyses	7
15	Selection bias in instrumental variable analyses	8
14	The causes and consequences of Alzheimer's disease: phenome-wide evidence from Mendelian randomization	4
13	Is genetic liability to ADHD and ASD causally linked to educational attainment?	3
12	The consequences of adjustment, correction and selection in genome-wide association studies used for two-sample Mendelian randomization	2
11	The effect of education on adult mortality, health, and income: triangulating across genetic and policy reforms	5
10	Education, intelligence and Alzheimer's disease: Evidence from a multivariable two-sample Mendelian randomization study	12
9	Alcohol consumption and mate choice in UK Biobank: comparing observational and Mendelian randomization estimates	2
8	Consistency of non-cognitive skills and their relation to educational outcomes in a UK cohort	3
7	What explains the effect of education on cardiovascular disease? Applying Mendelian randomization to identify the consequences of education inequality	1
6	Within-family studies for Mendelian randomization: avoiding dynastic, assortative mating, and population stratification biases	32
5	Why are education, socioeconomic position and intelligence genetically correlated?	8
4	Can education be personalised using pupils' genetic data?	3

3	Within-sibship GWAS improve estimates of direct genetic effects		14
2	The consequences of adjustment, correction and selection in genome-wide association studies used for two-sample Mendelian randomization. <i>Wellcome Open Research</i> ,6, 103	4.8	1
1	Navigating sample overlap, winner's curse and weak instrument bias in Mendelian randomization studies using the UK Biobank		4