

# Rebecca C Richmond

## List of Publications by Citations

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107  
papers

4,213  
citations

30  
h-index

64  
g-index

137  
ext. papers

6,304  
ext. citations

8.2  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
107	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , <b>2017</b> , 541, 81-86	50.4	511
106	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , <b>2016</b> , 98, 680-96	11	489
105	Prenatal exposure to maternal smoking and offspring DNA methylation across the lifecourse: findings from the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 2201-17	5.6	256
104	Metabolic signatures of adiposity in young adults: Mendelian randomization analysis and effects of weight change. <i>PLoS Medicine</i> , <b>2014</b> , 11, e1001765	11.6	193
103	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , <b>2019</b> , 51, 804-814	36.3	181
102	Maternal pre-pregnancy BMI and gestational weight gain, offspring DNA methylation and later offspring adiposity: findings from the Avon Longitudinal Study of Parents and Children. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 1288-304	7.8	181
101	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 4067-4085	5.6	151
100	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. <i>JAMA - Journal of the American Medical Association</i> , <b>2016</b> , 315, 1129-40	27.4	149
99	DNA methylation mediates the effect of maternal smoking during pregnancy on birthweight of the offspring. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 1224-37	7.8	130
98	Prenatal exposure to maternal cigarette smoking and DNA methylation: epigenome-wide association in a discovery sample of adolescents and replication in an independent cohort at birth through 17 years of age. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 193-9	8.4	127
97	Evidence for causal effects of lifetime smoking on risk for depression and schizophrenia: a Mendelian randomisation study. <i>Psychological Medicine</i> , <b>2020</b> , 50, 2435-2443	6.9	120
96	Assessing causality in the association between child adiposity and physical activity levels: a Mendelian randomization analysis. <i>PLoS Medicine</i> , <b>2014</b> , 11, e1001618	11.6	112
95	Biological and clinical insights from genetics of insomnia symptoms. <i>Nature Genetics</i> , <b>2019</b> , 51, 387-393	36.3	101
94	Genome-wide association study of offspring birth weight in 86 577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 742-756	5.6	98
93	BMI as a Modifiable Risk Factor for Type 2 Diabetes: Refining and Understanding Causal Estimates Using Mendelian Randomization. <i>Diabetes</i> , <b>2016</b> , 65, 3002-7	0.9	95
92	Approaches for drawing causal inferences from epidemiological birth cohorts: a review. <i>Early Human Development</i> , <b>2014</b> , 90, 769-80	2.2	91
91	DNA Methylation and BMI: Investigating Identified Methylation Sites at HIF3A in a Causal Framework. <i>Diabetes</i> , <b>2016</b> , 65, 1231-44	0.9	76

90	Dietary Intake, FTO Genetic Variants, and Adiposity: A Combined Analysis of Over 16,000 Children and Adolescents. <i>Diabetes</i> , <b>2015</b> , 64, 2467-76	0.9	66
89	DNA methylation as a marker for prenatal smoke exposure in adults. <i>International Journal of Epidemiology</i> , <b>2018</b> , 47, 1120-1130	7.8	64
88	Using Mendelian randomization to determine causal effects of maternal pregnancy (intrauterine) exposures on offspring outcomes: Sources of bias and methods for assessing them. <i>Wellcome Open Research</i> , <b>2017</b> , 2, 11	4.8	63
87	Using Genetic Variation to Explore the Causal Effect of Maternal Pregnancy Adiposity on Future Offspring Adiposity: A Mendelian Randomisation Study. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002221	11.6	49
86	Genome-wide association analysis of self-reported daytime sleepiness identifies 42 loci that suggest biological subtypes. <i>Nature Communications</i> , <b>2019</b> , 10, 3503	17.4	47
85	Epigenome-wide association study of asthma and wheeze in childhood and adolescence. <i>Clinical Epigenetics</i> , <b>2017</b> , 9, 112	7.7	43
84	Causal Inference in Cancer Epidemiology: What Is the Role of Mendelian Randomization?. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2018</b> , 27, 995-1010	4	43
83	DNA methylation links prenatal smoking exposure to later life health outcomes in offspring. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 97	7.7	42
82	Influence of puberty timing on adiposity and cardiometabolic traits: A Mendelian randomisation study. <i>PLoS Medicine</i> , <b>2018</b> , 15, e1002641	11.6	41
81	Investigating causal relations between sleep traits and risk of breast cancer in women: mendelian randomisation study. <i>BMJ, The</i> , <b>2019</b> , 365, l2327	5.9	36
80	The long-term impact of folic acid in pregnancy on offspring DNA methylation: follow-up of the Aberdeen Folic Acid Supplementation Trial (AFASST). <i>International Journal of Epidemiology</i> , <b>2018</b> , 47, 928-937	7.8	32
79	Strengthening the Reporting of Observational Studies in Epidemiology Using Mendelian Randomization: The STROBE-MR Statement. <i>JAMA - Journal of the American Medical Association</i> , <b>2021</b> , 326, 1614-1621	27.4	32
78	Paradoxical Relationship Between Body Mass Index and Thyroid Hormone Levels: A Study Using Mendelian Randomization. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 730-8	5.6	31
77	Appraising the causal relevance of DNA methylation for risk of lung cancer. <i>International Journal of Epidemiology</i> , <b>2019</b> , 48, 1493-1504	7.8	27
76	Mendelian randomisation for mediation analysis: current methods and challenges for implementation. <i>European Journal of Epidemiology</i> , <b>2021</b> , 36, 465-478	12.1	27
75	Causal effects of lifetime smoking on risk for depression and schizophrenia: Evidence from a Mendelian randomisation study		25
74	The effect of body mass index on smoking behaviour and nicotine metabolism: a Mendelian randomization study. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 1322-1330	5.6	25
73	Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. <i>Epigenomics</i> , <b>2019</b> , 11, 1487-1500	4.4	24

72	Strengthening the reporting of observational studies in epidemiology using mendelian randomisation (STROBE-MR): explanation and elaboration. <i>BMJ, The</i> , <b>2021</b> , 375, n2233	5.9	24
71	Investigating the effects of lycopene and green tea on the metabolome of men at risk of prostate cancer: The ProDiet randomised controlled trial. <i>International Journal of Cancer</i> , <b>2019</b> , 144, 1918-1928	7.5	24
70	Associations of device-measured physical activity across adolescence with metabolic traits: Prospective cohort study. <i>PLoS Medicine</i> , <b>2018</b> , 15, e1002649	11.6	24
69	A randomized controlled trial of folic acid intervention in pregnancy highlights a putative methylation-regulated control element at ZFP57. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 31	7.7	22
68	Contrasting the effects of intra-uterine smoking and one-carbon micronutrient exposures on offspring DNA methylation. <i>Epigenomics</i> , <b>2017</b> , 9, 351-367	4.4	20
67	Maternal smoking during pregnancy and autism: using causal inference methods in a birth cohort study. <i>Translational Psychiatry</i> , <b>2018</b> , 8, 262	8.6	19
66	Exploring possible epigenetic mediation of early-life environmental exposures on adiposity and obesity development. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 1191-8	7.8	18
65	Genetic and observational evidence supports a causal role of sex hormones on the development of asthma. <i>Thorax</i> , <b>2019</b> , 74, 633-642	7.3	17
64	A Phenome-Wide Mendelian Randomization Study of Pancreatic Cancer Using Summary Genetic Data. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2019</b> , 28, 2070-2078	4	17
63	Testing the validity of value-added measures of educational progress with genetic data. <i>British Educational Research Journal</i> , <b>2018</b> , 44, 725-747	1.6	16
62	Mendelian Randomization: Concepts and Scope. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2021</b> ,	5.4	16
61	Effects of promoting longer-term and exclusive breastfeeding on childhood eating attitudes: a cluster-randomized trial. <i>International Journal of Epidemiology</i> , <b>2014</b> , 43, 1263-71	7.8	15
60	Investigating the impact of cigarette smoking behaviours on DNA methylation patterns in adolescence. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 155-165	5.6	13
59	Smoking, DNA Methylation, and Lung Function: a Mendelian Randomization Analysis to Investigate Causal Pathways. <i>American Journal of Human Genetics</i> , <b>2020</b> , 106, 315-326	11	12
58	Mendelian randomisation for mediation analysis: current methods and challenges for implementation		12
57	Commentary: Orienting causal relationships between two phenotypes using bidirectional Mendelian randomization. <i>International Journal of Epidemiology</i> , <b>2019</b> , 48, 907-911	7.8	11
56	Assessment of Offspring DNA Methylation across the Lifecourse Associated with Prenatal Maternal Smoking Using Bayesian Mixture Modelling. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 14461-76	4.6	11
55	Mixed evidence for the relationship between periodontitis and Alzheimer's disease: A bidirectional Mendelian randomization study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228206	3.7	10

54	STROBE-MR: Guidelines for strengthening the reporting of Mendelian randomization studies		9
53	A multivariable Mendelian randomization analysis investigating smoking and alcohol consumption in oral and oropharyngeal cancer. <i>Nature Communications</i> , <b>2020</b> , 11, 6071	17.4	9
52	DNA methylation derived systemic inflammation indices are associated with head and neck cancer development and survival. <i>Oral Oncology</i> , <b>2018</b> , 85, 87-94	4.4	9
51	An integrative approach to detect epigenetic mechanisms that putatively mediate the influence of lifestyle exposures on disease susceptibility. <i>International Journal of Epidemiology</i> , <b>2019</b> , 48, 887-898	7.8	8
50	Validation and characterisation of a DNA methylation alcohol biomarker across the life course. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 163	7.7	6
49	Is disrupted sleep a risk factor for Alzheimer's disease? Evidence from a two-sample Mendelian randomization analysis. <i>International Journal of Epidemiology</i> , <b>2021</b> , 50, 817-828	7.8	5
48	Investigating the added value of biomarkers compared with self-reported smoking in predicting future e-cigarette use: Evidence from a longitudinal UK cohort study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235629	3.7	5
47	Assessing the role of genome-wide DNA methylation between smoking and risk of lung cancer using repeated measurements: the HUNT study. <i>International Journal of Epidemiology</i> , <b>2021</b> , 50, 1482-1497	7.8	5
46	Identifying epigenetic biomarkers of established prognostic factors and survival in a clinical cohort of individuals with oropharyngeal cancer. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 95	7.7	4
45	A systematic review protocol examining workplace interventions that aim to improve employee health and wellbeing in male-dominated industries. <i>Systematic Reviews</i> , <b>2020</b> , 9, 10	3	4
44	Investigating the added value of biomarkers compared with self-reported smoking in predicting future e-cigarette use: Evidence from a longitudinal UK cohort study		4
43	Multi-omics analyses of cognitive traits and psychiatric disorders highlights brain-dependent mechanisms. <i>Human Molecular Genetics</i> , <b>2021</b> ,	5.6	4
42	The association of early childhood cognitive development and behavioural difficulties with pre-adolescent problematic eating attitudes. <i>PLoS ONE</i> , <b>2014</b> , 9, e104132	3.7	3
41	Recent Findings on the Genetics of Obesity: Is there Public Health Relevance?. <i>Current Nutrition Reports</i> , <b>2012</b> , 1, 239-248	6	3
40	Investigating the role of insulin in increased adiposity: Bi-directional Mendelian randomization study		3
39	Appraising the causal relevance of DNA methylation for risk of lung cancer		3
38	DNA methylation signature of passive smoke exposure is less pronounced than active smoking: The Understanding Society study. <i>Environmental Research</i> , <b>2020</b> , 190, 109971	7.9	3
37	Using genetic variants to evaluate the causal effect of cholesterol lowering on head and neck cancer risk: A Mendelian randomization study. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009525	6	3

36	Epigenetic prediction of complex traits and mortality in a cohort of individuals with oropharyngeal cancer. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 58	7.7	3
35	A Combined Proteomics and Mendelian Randomization Approach to Investigate the Effects of Aspirin-Targeted Proteins on Colorectal Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2021</b> , 30, 564-575	4	2
34	Workplace interventions that aim to improve employee health and well-being in male-dominated industries: a systematic review. <i>Occupational and Environmental Medicine</i> , <b>2021</b> ,	2.1	2
33	The Role of Gallstones in Gallbladder Cancer in India: A Mendelian Randomization Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2021</b> , 30, 396-403	4	2
32	Exploiting collider bias to apply two-sample summary data Mendelian randomization methods to one-sample individual level data. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009703	6	2
31	Investigating the effect of sexual behaviour on oropharyngeal cancer risk: a methodological assessment of Mendelian randomization.. <i>BMC Medicine</i> , <b>2022</b> , 20, 40	11.4	1
30	Salicylic Acid and Risk of Colorectal Cancer: A Two-Sample Mendelian Randomization Study. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
29	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: Findings from the Pregnancy and Childhood Epigenetics (PACE) consortium		1
28	Investigating the relationships between unfavourable habitual sleep and metabolomic traits: evidence from multi-cohort multivariable regression and Mendelian randomization analyses. <i>BMC Medicine</i> , <b>2021</b> , 19, 69	11.4	1
27	Investigating the effect of sexual behaviour on oropharyngeal cancer risk: a methodological assessment of Mendelian randomization		1
26	Investigating the DNA methylation profile of e-cigarette use. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 183	7.7	1
25	Letter regarding, "Association between the use of aspirin and risk of lung cancer: results from pooled cohorts and Mendelian randomization analyses". <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2021</b> , 147, 2171-2173	4.9	1
24	Assessing the Causal Role of Sleep Traits on Glycated Hemoglobin: A Mendelian Randomization Study.. <i>Diabetes Care</i> , <b>2022</b> , 45, 772-781	14.6	1
23	Epigenetic biomarkers of ageing are predictive of mortality risk in a longitudinal clinical cohort of individuals diagnosed with oropharyngeal cancer.. <i>Clinical Epigenetics</i> , <b>2022</b> , 14, 1	7.7	0
22	Do sex hormones confound or mediate the effect of chronotype on breast and prostate cancer? A Mendelian randomization study.. <i>PLoS Genetics</i> , <b>2022</b> , 18, e1009887	6	0
21	Exploring the causal effect of maternal pregnancy adiposity on offspring adiposity: Mendelian randomisation using polygenic risk scores.. <i>BMC Medicine</i> , <b>2022</b> , 20, 34	11.4	0
20	Mendelian randomization analysis of the causal impact of body mass index and waist-hip ratio on rates of hospital admission. <i>Economics and Human Biology</i> , <b>2021</b> , 44, 101088	2.6	0
19	Selection into shift work is influenced by educational attainment and body mass index: a Mendelian randomization study in the UK Biobank. <i>International Journal of Epidemiology</i> , <b>2021</b> , 50, 1229-1240	7.8	0

18	Applying Mendelian randomization to appraise causality in relationships between nutrition and cancer.. <i>Cancer Causes and Control</i> , <b>2022</b> , 1	2.8	o
17	The relationships between women’s reproductive factors: a Mendelian randomisation analysis.. <i>BMC Medicine</i> , <b>2022</b> , 20, 103	11.4	o
16	Deciphering how early life adiposity influences breast cancer risk using Mendelian randomization.. <i>Communications Biology</i> , <b>2022</b> , 5, 337	6.7	o
15	0824 Using Mendelian Randomization To Understand How Chronotype Influences Breast Cancer Risk. <i>Sleep</i> , <b>2019</b> , 42, A330-A331	1.1	
14	Response to: Prenatal smoke exposure, DNA methylation and a link between DRD1 and lung cancer. <i>International Journal of Epidemiology</i> , <b>2019</b> , 48, 1378-1379	7.8	
13	Genetic Analyses of Common Infections in the Avon Longitudinal Study of Parents and Children Cohort. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 727457	8.4	
12	Impact of in Utero Folate Exposure on Dna Methylation and Its Potential Relevance for Later-Life Health - Evidence from Mouse Models Translated to Human Cohorts. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , e2100789	5.9	
11	Mixed evidence for the relationship between periodontitis and Alzheimer’s disease: A bidirectional Mendelian randomization study <b>2020</b> , 15, e0228206		
10	Mixed evidence for the relationship between periodontitis and Alzheimer’s disease: A bidirectional Mendelian randomization study <b>2020</b> , 15, e0228206		
9	Mixed evidence for the relationship between periodontitis and Alzheimer’s disease: A bidirectional Mendelian randomization study <b>2020</b> , 15, e0228206		
8	Mixed evidence for the relationship between periodontitis and Alzheimer’s disease: A bidirectional Mendelian randomization study <b>2020</b> , 15, e0228206		
7	Mixed evidence for the relationship between periodontitis and Alzheimer’s disease: A bidirectional Mendelian randomization study <b>2020</b> , 15, e0228206		
6	Mixed evidence for the relationship between periodontitis and Alzheimer’s disease: A bidirectional Mendelian randomization study <b>2020</b> , 15, e0228206		
5	Investigating the added value of biomarkers compared with self-reported smoking in predicting future e-cigarette use: Evidence from a longitudinal UK cohort study <b>2020</b> , 15, e0235629		
4	Investigating the added value of biomarkers compared with self-reported smoking in predicting future e-cigarette use: Evidence from a longitudinal UK cohort study <b>2020</b> , 15, e0235629		
3	Investigating the added value of biomarkers compared with self-reported smoking in predicting future e-cigarette use: Evidence from a longitudinal UK cohort study <b>2020</b> , 15, e0235629		
2	Investigating the added value of biomarkers compared with self-reported smoking in predicting future e-cigarette use: Evidence from a longitudinal UK cohort study <b>2020</b> , 15, e0235629		
1	Metabolic disorders and the risk of head and neck cancer: a protocol for a systematic review and meta-analysis.. <i>BMJ Open</i> , <b>2022</b> , 12, e058392	3	

