Rachel M Freathy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9169323/publications.pdf

Version: 2024-02-01

91 papers	17,789 citations	57758 44 h-index	62596 80 g-index
111 all docs	111 docs citations	111 times ranked	22353 citing authors

#	Article	IF	Citations
1	Babies of South Asian and European Ancestry Show Similar Associations With Genetic Risk Score for Birth Weight Despite the Smaller Size of South Asian Newborns. Diabetes, 2022, 71, 821-836.	0.6	3
2	Multi-ancestry genome-wide association study of gestational diabetes mellitus highlights genetic links with type 2 diabetes. Human Molecular Genetics, 2022, 31, 3377-3391.	2.9	47
3	Fetal alleles predisposing to metabolically favorable adiposity are associated with higher birth weight. Human Molecular Genetics, 2022, 31, 1762-1775.	2.9	2
4	Investigating the causal effect of maternal vitamin B12 and folate levels on offspring birthweight. International Journal of Epidemiology, 2021, 50, 179-189.	1.9	6
5	Two decades since the fetal insulin hypothesis: what have we learned from genetics?. Diabetologia, 2021, 64, 717-726.	6.3	22
6	Common genetic variants with fetal effects on birth weight are enriched for proximity to genes implicated in rare developmental disorders. Human Molecular Genetics, 2021, 30, 1057-1066.	2.9	1
7	Using Mendelian Randomisation methods to understand whether diurnal preference is causally related to mental health. Molecular Psychiatry, 2021, 26, 6305-6316.	7.9	26
8	Shedding light on the genetics of fetal growth. Nature Genetics, 2021, 53, 1120-1121.	21.4	2
9	Higher adiposity and mental health: causal inference using Mendelian randomization. Human Molecular Genetics, 2021, 30, 2371-2382.	2.9	29
10	586Effects of maternal circulating amino acids on offspring birthweight: a Mendelian randomisation analysis. International Journal of Epidemiology, 2021, 50, .	1.9	1
11	Higher maternal adiposity reduces offspring birthweight if associated with a metabolically favourable profile. Diabetologia, 2021, 64, 2790-2802.	6.3	9
12	Challenges and solutions for diabetes early career researchers in the COVIDâ€19 recovery: Perspectives of the Diabetes UK Innovators in Diabetes. Diabetic Medicine, 2021, , e14698.	2.3	0
13	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	3.5	95
14	Genetics of early growth traits. Human Molecular Genetics, 2020, 29, R66-R72.	2.9	9
15	Mendelian randomization study of maternal influences on birthweight and future cardiometabolic risk in the HUNT cohort. Nature Communications, 2020, 11, 5404.	12.8	48
16	Dissecting maternal and fetal genetic effects underlying the associations between maternal phenotypes, birth outcomes, and adult phenotypes: A mendelian-randomization and haplotype-based genetic score analysis in 10,734 motherâ€“infant pairs. PLoS Medicine, 2020, 17, e1003305.	8.4	37
17	Reply to â€œDiversity is essential for good science and Reproductive science is no different: A response to the recent formulation of the Burroughs Welcome Fund Pregnancy Think-Tankâ€. American Journal of Obstetrics and Gynecology, 2020, 223, 951-952.	1.3	0
18	Advancing human health in the decade ahead: pregnancy as a key window for discovery. American Journal of Obstetrics and Gynecology, 2020, 223, 312-321.	1.3	13

#	Article	IF	Citations
19	The influence of transmitted and non-transmitted parental BMI-associated alleles on the risk of overweight in childhood. Scientific Reports, 2020, 10, 4806.	3.3	12
20	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. Wellcome Open Research, 2020, 5, 175.	1.8	2
21	Common maternal and fetal genetic variants show expected polygenic effects on risk of small- or large-for-gestational-age (SGA or LGA), except in the smallest 3% of babies. PLoS Genetics, 2020, 16, e1009191.	3.5	13
22	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. Wellcome Open Research, 2020, 5, 175.	1.8	1
23	Title is missing!. , 2020, 17, e1003305.		0
24	Title is missing!. , 2020, 17, e1003305.		0
25	Title is missing!. , 2020, 17, e1003305.		0
26	Title is missing!. , 2020, 17, e1003305.		0
27	Title is missing!. , 2020, 17, e1003305.		0
28	Title is missing!. , 2020, 17, e1003305.		0
29	Using a two-sample Mendelian randomization design to investigate a possible causal effect of maternal lipid concentrations on offspring birth weight. International Journal of Epidemiology, 2019, 48, 1457-1467.	1.9	56
30	The Effect of Genetic Variation on the Placental Transcriptome in Humans. Frontiers in Genetics, 2019, 10, 550.	2.3	15
31	GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. Science Advances, 2019, 5, eaaw3095.	10.3	86
32	Variants in the fetal genome near pro-inflammatory cytokine genes on 2q13 associate with gestational duration. Nature Communications, 2019, 10, 3927.	12.8	49
33	Genome-wide association analyses of chronotype in 697,828 individuals provides insights into circadian rhythms. Nature Communications, 2019, 10, 343.	12.8	417
34	Association of maternal circulating 25(OH)D and calcium with birth weight: A mendelian randomisation analysis. PLoS Medicine, 2019, 16, e1002828.	8.4	39
35	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. Nature Genetics, 2019, 51, 804-814.	21.4	402
36	Genetic studies of accelerometer-based sleep measures yield new insights into human sleep behaviour. Nature Communications, 2019, 10, 1585.	12.8	189

#	Article	IF	Citations
37	Mosaic Turner syndrome shows reduced penetrance in an adult population study. Genetics in Medicine, 2019, 21, 877-886.	2.4	88
38	Using genetics to understand the causal influence of higher BMI on depression. International Journal of Epidemiology, 2019, 48, 834-848.	1.9	156
39	Response to Prakash et al.. Genetics in Medicine, 2019, 21, 1884-1885.	2.4	5
40	Genome-Wide and Abdominal MRI Data Provide Evidence That a Genetically Determined Favorable Adiposity Phenotype Is Characterized by Lower Ectopic Liver Fat and Lower Risk of Type 2 Diabetes, Heart Disease, and Hypertension. Diabetes, 2019, 68, 207-219.	0.6	72
41	Fetal Genotype and Maternal Glucose Have Independent and Additive Effects on Birth Weight. Diabetes, 2018, 67, 1024-1029.	0.6	38
42	Genome-wide association study of offspring birth weight in 86â€‰577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. Human Molecular Genetics, 2018, 27, 742-756.	2.9	156
43	A Common Allele in FGF21 Associated with Sugar Intake Is Associated with Body Shape, Lower Total Body-Fat Percentage, and Higher Blood Pressure. Cell Reports, 2018, 23, 327-336.	6.4	76
44	Using structural equation modelling to jointly estimate maternal and fetal effects on birthweight in the UK Biobank. International Journal of Epidemiology, 2018, 47, 1229-1241.	1.9	84
45	Quantifying the extent to which index event biases influence large genetic association studies. Human Molecular Genetics, 2017, 26, ddw433.	2.9	40
46	Geneâ€“obesogenic environment interactions in the UK Biobank study. International Journal of Epidemiology, 2017, 46, dyw337.	1.9	159
47	How Can Genetic Studies Help Us to Understand Links Between Birth Weight and Type 2 Diabetes?. Current Diabetes Reports, 2017, 17, 22.	4.2	28
48	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. Nature Communications, 2017, 8, 744.	12.8	64
49	Genetic Evidence for a Link Between Favorable Adiposity and Lower Risk of Type 2 Diabetes, Hypertension, and Heart Disease. Diabetes, 2016, 65, 2448-2460.	0.6	122
50	Genome-wide associations for birth weight and correlations with adult disease. Nature, 2016, 538, 248-252.	27.8	406
51	Can genetic evidence help us to understand the fetal origins of type 2 diabetes?. Diabetologia, 2016, 59, 1850-1854.	6.3	10
52	Height, body mass index, and socioeconomic status: mendelian randomisation study in UK Biobank. BMJ, The, 2016, 352, i582.	6.0	247
53	Variants in the FTO and CDKAL1 loci have recessive effects on risk of obesity and type 2 diabetes, respectively. Diabetologia, 2016, 59, 1214-1221.	6.3	65
54	Genetic evidence that lower circulating FSH levels lengthen menstrual cycle, increase age at menopause and impact female reproductive health. Human Reproduction, 2016, 31, 473-481.	0.9	51

#	Article	IF	Citations
55	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. JAMA - Journal of the American Medical Association, 2016, 315, 1129.	7.4	220
56	Genome-Wide Association Analyses in 128,266 Individuals Identifies New Morningness and Sleep Duration Loci. PLoS Genetics, 2016, 12, e1006125.	3.5	308
57	Human longevity is influenced by many genetic variants: evidence from 75,000 UK Biobank participants. Aging, 2016, 8, 547-560.	3.1	113
58	Association Analysis of 29,956 Individuals Confirms That a Low-Frequency Variant at CCND2 Halves the Risk of Type 2 Diabetes by Enhancing Insulin Secretion. Diabetes, 2015, 64, 2279-2285.	0.6	24
59	A novel common variant in DCST2 is associated with length in early life and height in adulthood. Human Molecular Genetics, 2015, 24, 1155-1168.	2.9	109
60	Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. PLoS Genetics, 2014, 10, e1004123.	3.5	150
61	Parental diabetes and birthweight in 236 030 individuals in the UK Biobank Study. International Journal of Epidemiology, 2013, 42, 1714-1723.	1.9	65
62	A Meta-Analysis of Thyroid-Related Traits Reveals Novel Loci and Gender-Specific Differences in the Regulation of Thyroid Function. PLoS Genetics, 2013, 9, e1003266.	3.5	194
63	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. Nature Genetics, 2013, 45, 76-82.	21.4	293
64	Genetic origins of low birth weight. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 258-264.	2.5	35
65	Common variants at 12q15 and 12q24 are associated with infant head circumference. Nature Genetics, 2012, 44, 532-538.	21.4	130
66	Genetic variation in the 15q25 nicotinic acetylcholine receptor gene cluster (CHRNA5â€“CHRNA3â€“CHRNB4) interacts with maternal self-reported smoking status during pregnancy to influence birth weight. Human Molecular Genetics, 2012, 21, 5344-5358.	2.9	62
67	The Role of Inflammatory Pathway Genetic Variation on Maternal Metabolic Phenotypes during Pregnancy. PLoS ONE, 2012, 7, e32958.	2.5	20
68	Smoking Is Associated with, but Does Not Cause, Depressed Mood in Pregnancy â€“ A Mendelian Randomization Study. PLoS ONE, 2011, 6, e21689.	2.5	48
69	Adult height variants affect birth length and growth rate in children. Human Molecular Genetics, 2011, 20, 4069-4075.	2.9	47
70	Association of COMT Val108/158Met Genotype and Cigarette Smoking in Pregnant Women. Nicotine and Tobacco Research, 2011, 13, 55-63.	2.6	18
71	Genetic variation at CHRNA5-CHRNA3-CHRNB4 interacts with smoking status to influence body mass index. International Journal of Epidemiology, 2011, 40, 1617-1628.	1.9	100
72	Mendelian Randomization Studies Do Not Support a Role for Raised Circulating Triglyceride Levels Influencing Type 2 Diabetes, Glucose Levels, or Insulin Resistance. Diabetes, 2011, 60, 1008-1018.	0.6	77

#	Article	IF	Citations
73	Variants in ADCY5 and near CCNL1 are associated with fetal growth and birth weight. Nature Genetics, 2010, 42, 430-435.	21.4	223
74	Hyperglycemia and Adverse Pregnancy Outcome (HAPO) Study: Common Genetic Variants in GCK and TCF7L2 Are Associated With Fasting and Postchallenge Glucose Levels in Pregnancy and With the New Consensus Definition of Gestational Diabetes Mellitus From the International Association of Diabetes and Pregnancy Study Groups. Diabetes, 2010, 59, 2682-2689.	0.6	95
75	Phosphodiesterase 8B Gene Polymorphism Is Associated with Subclinical Hypothyroidism in Pregnancy. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 4608-4612.	3.6	30
76	A common genetic variant in the 15q24 nicotinic acetylcholine receptor gene cluster (CHRNA5â€“CHRNA3â€“CHRNB4) is associated with a reduced ability of women to quit smoking in pregnancy. Human Molecular Genetics, 2009, 18, 2922-2927.	2.9	132
77	Type 2 Diabetes Risk Alleles Are Associated With Reduced Size at Birth. Diabetes, 2009, 58, 1428-1433.	0.6	135
78	Genome-wide association analysis identifies 20 loci that influence adult height. Nature Genetics, 2008, 40, 575-583.	21.4	742
79	Common variants near MC4R are associated with fat mass, weight and risk of obesity. Nature Genetics, 2008, 40, 768-775.	21.4	1,179
80	Meta-analysis of genome-wide association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. Nature Genetics, 2008, 40, 638-645.	21.4	1,683
81	Common Variation in the FTO Gene Alters Diabetes-Related Metabolic Traits to the Extent Expected Given Its Effect on BMI. Diabetes, 2008, 57, 1419-1426.	0.6	277
82	Type 2 Diabetes TCF7L2 Risk Genotypes Alter Birth Weight: A Study of 24,053 Individuals. American Journal of Human Genetics, 2007, 80, 1150-1161.	6.2	112
83	A Common Variant in the FTO Gene Is Associated with Body Mass Index and Predisposes to Childhood and Adult Obesity. Science, 2007, 316, 889-894.	12.6	3,884
84	Replication of Genome-Wide Association Signals in UK Samples Reveals Risk Loci for Type 2 Diabetes. Science, 2007, 316, 1336-1341.	12.6	2,040
85	Association scan of 14,500 nonsynonymous SNPs in four diseases identifies autoimmunity variants. Nature Genetics, 2007, 39, 1329-1337.	21.4	1,298
86	A common variant of HMGA2 is associated with adult and childhood height in the general population. Nature Genetics, 2007, 39, 1245-1250.	21.4	373
87	The functional "KL-VS" variant of KLOTHO is not associated with type 2 diabetes in 5028 UK Caucasians. BMC Medical Genetics, 2006, 7, 51.	2.1	17
88	A study of association between common variation in the growth hormone-chorionic somatomammotropin hormone gene cluster and adult fasting insulin in a UK Caucasian population. Journal of Negative Results in BioMedicine, 2006, 5, 18.	1.4	1
89	The Impact of the Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism on Severe Hypoglycemia in Type 2 Diabetes. Review of Diabetic Studies, 2006, 3, 76-76.	1.3	11
90	Functional variation in VEGF is not associated with type 2 diabetes in a United Kingdom Caucasian population. JOP: Journal of the Pancreas, 2006, 7, 295-302.	1.5	4

#	Article	IF	Citations
91	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. Wellcome Open Research, 0, 5, 175.	1.8	0