

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6478476/ruth-j-f-loos-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

537 papers	77,772 citations	129 h-index	273 g-index
610 ext. papers	96,900 ext. citations	13.8 avg, IF	6.94 L-index

#	Paper	IF	Citations
537	A common variant in the FTO gene is associated with body mass index and predisposes to childhood and adult obesity. <i>Science</i> , 2007 , 316, 889-94	33.3	3294
536	Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , 2010 , 466, 707-13	50.4	2742
535	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687
534	The mutational constraint spectrum quantified from variation in 141,456 humans. <i>Nature</i> , 2020 , 581, 434-443	50.4	2278
533	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010 , 42, 937-48	36.3	2267
532	Correlates of physical activity: why are some people physically active and others not?. <i>Lancet, The</i> , 2012 , 380, 258-71	40	2206
531	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013 , 45, 1274-1283	36.3	1904
530	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010 , 42, 105-16	36.3	1673
529	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011 , 478, 103-9	50.4	1564
528	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010 , 467, 832-8	50.4	1514
527	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. <i>Nature Genetics</i> , 2012 , 44, 981-90	36.3	1482
526	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. <i>Nature Genetics</i> , 2009 , 41, 25-34	36.3	1368
525	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86	36.3	1339
524	A comprehensive 1,000 Genomes-based genome-wide association meta-analysis of coronary artery disease. <i>Nature Genetics</i> , 2015 , 47, 1121-1130	36.3	1290
523	Common genetic determinants of vitamin D insufficiency: a genome-wide association study. <i>Lancet, The</i> , 2010 , 376, 180-8	40	1183
522	Common variants near MC4R are associated with fat mass, weight and risk of obesity. <i>Nature Genetics</i> , 2008 , 40, 768-75	36.3	1048
521	Genome-wide association study identifies eight loci associated with blood pressure. <i>Nature Genetics</i> , 2009 , 41, 666-76	36.3	970

520	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
519	Conditional and joint multiple-SNP analysis of GWAS summary statistics identifies additional variants influencing complex traits. <i>Nature Genetics</i> , 2012 , 44, 369-75, S1-3	36.3	813
518	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. <i>Nature Genetics</i> , 2014 , 46, 234-44	36.3	784
517	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. <i>Nature Genetics</i> , 2010 , 42, 949-60	36.3	724
516	Loss-of-function mutations in APOC3, triglycerides, and coronary disease. <i>New England Journal of Medicine</i> , 2014 , 371, 22-31	59.2	721
515	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016 , 536, 41-47	50.4	704
514	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. <i>Nature Genetics</i> , 2018 , 50, 1505-1513	36.3	675
513	Genome-wide association analysis identifies 20 loci that influence adult height. <i>Nature Genetics</i> , 2008 , 40, 575-83	36.3	654
512	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012 , 44, 991-1005	36.3	621
511	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. <i>Nature Genetics</i> , 2012 , 44, 659-69	36.3	615
510	Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013 , 45, 1345-52	36.3	597
509	Causal relationship between obesity and vitamin D status: bi-directional Mendelian randomization analysis of multiple cohorts. <i>PLoS Medicine</i> , 2013 , 10, e1001383	11.6	592
508	Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009 , 41, 77-81	36.3	584
507	Rapid infancy weight gain and subsequent obesity: systematic reviews and hopeful suggestions. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2006 , 95, 904-8	3.1	552
506	Genetic variation in GIPR influences the glucose and insulin responses to an oral glucose challenge. <i>Nature Genetics</i> , 2010 , 42, 142-8	36.3	527
505	Meta-analysis and imputation refines the association of 15q25 with smoking quantity. <i>Nature Genetics</i> , 2010 , 42, 436-40	36.3	521
504	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. <i>Nature Genetics</i> , 2013 , 45, 145-54	36.3	505
503	Obesity. <i>Nature Reviews Disease Primers</i> , 2017 , 3, 17034	51.1	464

502	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013 , 45, 501-12	36.3	437
501	Genome-wide association study identifies five loci associated with lung function. <i>Nature Genetics</i> , 2010 , 42, 36-44	36.3	430
500	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011 , 43, 1131-8	36.3	415
499	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. <i>Diabetes</i> , 2017 , 66, 2888-2902	39.0	414
498	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017 , 542, 186-190	50.4	412
497	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. <i>Nature</i> , 2014 , 514, 92-97	50.4	401
496	The metabochip, a custom genotyping array for genetic studies of metabolic, cardiovascular, and anthropometric traits. <i>PLoS Genetics</i> , 2012 , 8, e1002793	6	395
495	Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. <i>PLoS Genetics</i> , 2009 , 5, e1000508	6	393
494	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , 2018 , 50, 1412-1425	36.3	386
493	Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. <i>PLoS Medicine</i> , 2011 , 8, e1001116	11.6	379
492	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , 2010 , 42, 1077-85	36.3	372
491	Association analyses based on false discovery rate implicate new loci for coronary artery disease. <i>Nature Genetics</i> , 2017 , 49, 1385-1391	36.3	361
490	Prominent axonopathy in the brain and spinal cord of transgenic mice overexpressing four-repeat human tau protein. <i>American Journal of Pathology</i> , 1999 , 155, 2153-65	5.8	356
489	The bigger picture of FTO: the first GWAS-identified obesity gene. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 51-61	15.2	353
488	Variability in the heritability of body mass index: a systematic review and meta-regression. <i>Frontiers in Endocrinology</i> , 2012 , 3, 29	5.7	351
487	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. <i>Nature Genetics</i> , 2011 , 43, 1005-11	36.3	338
486	New gene functions in megakaryopoiesis and platelet formation. <i>Nature</i> , 2011 , 480, 201-8	50.4	330
485	Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals. <i>PLoS Genetics</i> , 2012 , 8, e1002607	6	326

484	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. <i>Science</i> , 2016 , 351, 1166-71	33.3	325
483	Coding Variation in ANGPTL4, LPL, and SVEP1 and the Risk of Coronary Disease. <i>New England Journal of Medicine</i> , 2016 , 374, 1134-44	59.2	325
482	Genetic variants influencing circulating lipid levels and risk of coronary artery disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 2264-76	9.4	318
481	Common variants at 10 genomic loci influence hemoglobin A1C levels via glycemic and nonglycemic pathways. <i>Diabetes</i> , 2010 , 59, 3229-39	0.9	314
480	Genome-wide association analysis identifies novel blood pressure loci and offers biological insights into cardiovascular risk. <i>Nature Genetics</i> , 2017 , 49, 403-415	36.3	313
479	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. <i>Nature Genetics</i> , 2011 , 43, 1082-90	36.3	313
478	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1766	36.6	310
477	FTO genotype is associated with phenotypic variability of body mass index. <i>Nature</i> , 2012 , 490, 267-72	50.4	304
476	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. <i>Nature Communications</i> , 2016 , 7, 10023	17.4	295
475	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , 2015 , 47, 1415-25	36.3	292
474	LDL-cholesterol concentrations: a genome-wide association study. <i>Lancet, The</i> , 2008 , 371, 483-91	40	292
473	Genetic analyses of diverse populations improves discovery for complex traits. <i>Nature</i> , 2019 , 570, 514-518	50.4	291
472	Genome-wide association identifies nine common variants associated with fasting proinsulin levels and provides new insights into the pathophysiology of type 2 diabetes. <i>Diabetes</i> , 2011 , 60, 2624-34	0.9	285
471	Genomic Risk Prediction of Coronary Artery Disease in 480,000 Adults: Implications for Primary Prevention. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 1883-1893	15.1	285
470	Quality control and conduct of genome-wide association meta-analyses. <i>Nature Protocols</i> , 2014 , 9, 1192-218	21.8	278
469	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , 2018 , 50, 1225-1233	36.3	277
468	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , 2013 , 9, e1003500	6	277
467	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021 , 590, 290-299	50.4	268

466	Genetic variation in LIN28B is associated with the timing of puberty. <i>Nature Genetics</i> , 2009 , 41, 729-33	36.3	258
465	Meta-analysis of genome-wide association studies for body fat distribution in 694'649 individuals of European ancestry. <i>Human Molecular Genetics</i> , 2019 , 28, 166-174	5.6	258
464	Seventy-five genetic loci influencing the human red blood cell. <i>Nature</i> , 2012 , 492, 369-75	50.4	257
463	Genome-wide association study of blood pressure extremes identifies variant near UMOD associated with hypertension. <i>PLoS Genetics</i> , 2010 , 6, e1001177	6	255
462	Glycogen synthase kinase-3beta phosphorylates protein tau and rescues the axonopathy in the central nervous system of human four-repeat tau transgenic mice. <i>Journal of Biological Chemistry</i> , 2000 , 275, 41340-9	5.4	253
461	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. <i>Nature Genetics</i> , 2016 , 48, 1171-1184	36.3	251
460	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , 2011 , 43, 753-60	36.3	237
459	Association of low-frequency and rare coding-sequence variants with blood lipids and coronary heart disease in 56,000 whites and blacks. <i>American Journal of Human Genetics</i> , 2014 , 94, 223-32	11	233
458	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. <i>Nature Genetics</i> , 2013 , 45, 76-82	36.3	232
457	Genome-wide SNP and CNV analysis identifies common and low-frequency variants associated with severe early-onset obesity. <i>Nature Genetics</i> , 2013 , 45, 513-7	36.3	231
456	A structural variation reference for medical and population genetics. <i>Nature</i> , 2020 , 581, 444-451	50.4	223
455	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. <i>PLoS Medicine</i> , 2017 , 14, e1002383	11.6	223
454	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018 , 50, 559-571	36.3	221
453	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015 , 11, e1005378	6	220
452	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013 , 45, 621-31	36.3	219
451	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7119-24	11.5	218
450	FTO: the first gene contributing to common forms of human obesity. <i>Obesity Reviews</i> , 2008 , 9, 246-50	10.6	218
449	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , 2019 , 51, 957-972	36.3	217

448	Life course variations in the associations between FTO and MC4R gene variants and body size. <i>Human Molecular Genetics</i> , 2010 , 19, 545-52	5.6	206
447	Set points, settling points and some alternative models: theoretical options to understand how genes and environments combine to regulate body adiposity. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 733-45	4.1	206
446	Variants in the fat mass- and obesity-associated (FTO) gene are not associated with obesity in a Chinese Han population. <i>Diabetes</i> , 2008 , 57, 264-8	0.9	206
445	Genetic loci influencing kidney function and chronic kidney disease. <i>Nature Genetics</i> , 2010 , 42, 373-5	36.3	205
444	Physical activity attenuates the genetic predisposition to obesity in 20,000 men and women from EPIC-Norfolk prospective population study. <i>PLoS Medicine</i> , 2010 , 7, e1000332	11.6	201
443	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014 , 46, 826-36	36.3	199
442	Common variants in CDKAL1, CDKN2A/B, IGF2BP2, SLC30A8, and HHEX/IDE genes are associated with type 2 diabetes and impaired fasting glucose in a Chinese Han population. <i>Diabetes</i> , 2008 , 57, 2834-42	9.9	199
441	Meta-analysis of genome-wide scans for human adult stature identifies novel Loci and associations with measures of skeletal frame size. <i>PLoS Genetics</i> , 2009 , 5, e1000445	6	198
440	Prominent cerebral amyloid angiopathy in transgenic mice overexpressing the london mutant of human APP in neurons. <i>American Journal of Pathology</i> , 2000 , 157, 1283-98	5.8	198
439	A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. <i>Nature Genetics</i> , 2013 , 45, 690-6	36.3	192
438	Population genetic differentiation of height and body mass index across Europe. <i>Nature Genetics</i> , 2015 , 47, 1357-62	36.3	186
437	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018 , 50, 26-41	36.3	186
436	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016 , 7, 10495	17.4	180
435	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. <i>Nature Genetics</i> , 2017 , 49, 946-952	36.3	176
434	Obesity--is it a genetic disorder?. <i>Journal of Internal Medicine</i> , 2003 , 254, 401-25	10.8	174
433	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. <i>Nature Genetics</i> , 2017 , 49, 416-425	36.3	170
432	Whole-exome sequencing identifies rare and low-frequency coding variants associated with LDL cholesterol. <i>American Journal of Human Genetics</i> , 2014 , 94, 233-45	11	170
431	CUBN is a gene locus for albuminuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 555-70	7.0	170

430	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. <i>Molecular Psychiatry</i> , 2015 , 20, 647-656	15.1	167
429	Genetic determinants of common obesity and their value in prediction. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012 , 26, 211-26	6.5	166
428	Cumulative effects and predictive value of common obesity-susceptibility variants identified by genome-wide association studies. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 184-90	7	163
427	Genome-wide meta-analysis of observational studies shows common genetic variants associated with macronutrient intake. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 1395-402	7	161
426	Obesity genes identified in genome-wide association studies are associated with adiposity measures and potentially with nutrient-specific food preference. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 951-9	7	157
425	Physical activity attenuates the body mass index-increasing influence of genetic variation in the FTO gene. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 425-8	7	155
424	Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. <i>Nature Genetics</i> , 2016 , 48, 1162-70	36.3	152
423	Meta-analysis of genome-wide association studies in African Americans provides insights into the genetic architecture of type 2 diabetes. <i>PLoS Genetics</i> , 2014 , 10, e1004517	6	151
422	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , 2018 , 103, 691-706	11	151
421	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , 2015 , 6, 5897	17.4	147
420	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With 'Coronary Artery' Disease. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 823-836	15.1	146
419	Genome-wide association analysis of blood-pressure traits in African-ancestry individuals reveals common associated genes in African and non-African populations. <i>American Journal of Human Genetics</i> , 2013 , 93, 545-54	11	145
418	The prenatal gut microbiome: are we colonized with bacteria in utero?. <i>Pediatric Obesity</i> , 2017 , 12 Suppl 1, 3-17	4.6	144
417	Association of genetic variation in FTO with risk of obesity and type 2 diabetes with data from 96,551 East and South Asians. <i>Diabetologia</i> , 2012 , 55, 981-95	10.3	144
416	A genome-wide association study identifies GRK5 and RASGRP1 as type 2 diabetes loci in Chinese Hans. <i>Diabetes</i> , 2013 , 62, 291-8	0.9	142
415	Genetic markers of adult obesity risk are associated with greater early infancy weight gain and growth. <i>PLoS Medicine</i> , 2010 , 7, e1000284	11.6	142
414	A genome-wide association search for type 2 diabetes genes in African Americans. <i>PLoS ONE</i> , 2012 , 7, e29202	3.7	138
413	TCF7L2 polymorphisms modulate proinsulin levels and beta-cell function in a British Europid population. <i>Diabetes</i> , 2007 , 56, 1943-7	0.9	137

412	Identification of new susceptibility loci for type 2 diabetes and shared etiological pathways with coronary heart disease. <i>Nature Genetics</i> , 2017 , 49, 1450-1457	36.3	136
411	Genome-wide association studies identify CHRNA5/3 and HTR4 in the development of airflow obstruction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 622-32	10.2	131
410	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , 2019 , 570, 71-76	50.4	129
409	A genome-wide association study reveals variants in ARL15 that influence adiponectin levels. <i>PLoS Genetics</i> , 2009 , 5, e1000768	6	129
408	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. <i>Nature</i> , 2020 , 586, 763-768	50.4	127
407	Genetic and environmental effects on body mass index from infancy to the onset of adulthood: an individual-based pooled analysis of 45 twin cohorts participating in the Collaborative project of Development of Anthropometrical measures in Twins (CODATwins) study. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 371-9	7	125
406	A central role for GRB10 in regulation of islet function in man. <i>PLoS Genetics</i> , 2014 , 10, e1004235	6	124
405	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. <i>Nature Genetics</i> , 2019 , 51, 1459-1474	36.3	122
404	FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. <i>Human Molecular Genetics</i> , 2014 , 23, 6961-72	5.6	120
403	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015 , 523, 459-462	50.4	119
402	Developments in obesity genetics in the era of genome-wide association studies. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2011 , 4, 222-38		113
401	Genetic susceptibility to obesity and related traits in childhood and adolescence: influence of loci identified by genome-wide association studies. <i>Diabetes</i> , 2010 , 59, 2980-8	0.9	113
400	Interactions of dietary whole-grain intake with fasting glucose- and insulin-related genetic loci in individuals of European descent: a meta-analysis of 14 cohort studies. <i>Diabetes Care</i> , 2010 , 33, 2684-91	14.6	112
399	Effect of five genetic variants associated with lung function on the risk of chronic obstructive lung disease, and their joint effects on lung function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 786-95	10.2	112
398	Genome-wide joint meta-analysis of SNP and SNP-by-smoking interaction identifies novel loci for pulmonary function. <i>PLoS Genetics</i> , 2012 , 8, e1003098	6	108
397	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , 2016 , 7, 10494	17.4	107
396	The genetic contribution to dental maturation. <i>Journal of Dental Research</i> , 1997 , 76, 1337-40	8.1	107
395	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017 , 8, 14977	17.4	105

394	Heritability of objectively assessed daily physical activity and sedentary behavior. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 1317-25	7	104
393	Recent progress in the genetics of common obesity. <i>British Journal of Clinical Pharmacology</i> , 2009 , 68, 811-29	3.8	104
392	Birth weight and body composition in young women: a prospective twin study. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 676-82	7	103
391	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017 , 13, e1006528	6	103
390	Birth weight and body composition in young adult men--a prospective twin study. <i>International Journal of Obesity</i> , 2001 , 25, 1537-45	5.5	102
389	Trend in obesity prevalence in European adult cohort populations during follow-up since 1996 and their predictions to 2015. <i>PLoS ONE</i> , 2011 , 6, e27455	3.7	100
388	Genome-wide linkage scan for the metabolic syndrome in the HERITAGE Family Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 5935-43	5.6	98
387	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. <i>Diabetes</i> , 2016 , 65, 803-17	0.9	96
386	Common variants in ZNF365 are associated with both mammographic density and breast cancer risk. <i>Nature Genetics</i> , 2011 , 43, 185-7	36.3	96
385	The Polygenic and Monogenic Basis of Blood Traits and Diseases. <i>Cell</i> , 2020 , 182, 1214-1231.e11	56.2	96
384	Mendelian randomization studies do not support a causal role for reduced circulating adiponectin levels in insulin resistance and type 2 diabetes. <i>Diabetes</i> , 2013 , 62, 3589-98	0.9	95
383	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. <i>Cell</i> , 2017 , 170, 199-212.e20	56.2	94
382	Calcium intake is associated with adiposity in Black and White men and White women of the HERITAGE Family Study. <i>Journal of Nutrition</i> , 2004 , 134, 1772-8	4.1	93
381	Common breast cancer susceptibility variants in LSP1 and RAD51L1 are associated with mammographic density measures that predict breast cancer risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012 , 21, 1156-66	4	92
380	Melanocortin-4 receptor gene and physical activity in the QuBec Family Study. <i>International Journal of Obesity</i> , 2005 , 29, 420-8	5.5	92
379	Advances in exercise, fitness, and performance genomics. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 835-46	1.2	91
378	Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations. <i>PLoS Genetics</i> , 2019 , 15, e1008500	6	90
377	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. <i>Nature Communications</i> , 2017 , 8, 80	17.4	88

376	Trans-ethnic and Ancestry-Specific Blood-Cell Genetics in 746,667 Individuals from 5 Global Populations. <i>Cell</i> , 2020 , 182, 1198-1213.e14	56.2	88
375	Comment on "A common genetic variant is associated with adult and childhood obesity". <i>Science</i> , 2007 , 315, 187; author reply 187	33.3	87
374	Association of the PHACTR1/EDN1 Genetic Locus With Spontaneous Coronary Artery Dissection. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 58-66	15.1	86
373	Novel Blood Pressure Locus and Gene Discovery Using Genome-Wide Association Study and Expression Data Sets From Blood and the Kidney. <i>Hypertension</i> , 2017 ,	8.5	85
372	Genome-wide association study identifies multiple loci associated with both mammographic density and breast cancer risk. <i>Nature Communications</i> , 2014 , 5, 5303	17.4	84
371	Association of genetic Loci with glucose levels in childhood and adolescence: a meta-analysis of over 6,000 children. <i>Diabetes</i> , 2011 , 60, 1805-12	0.9	83
370	Anthropometry, carbohydrate and lipid metabolism in the East Flanders Prospective Twin Survey: heritabilities. <i>Diabetologia</i> , 2007 , 50, 2107-16	10.3	83
369	Recovery of trait heritability from whole genome sequence data		83
368	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014 , 112, 317-38	3.7	81
367	Association between insulin secretion, insulin sensitivity and type 2 diabetes susceptibility variants identified in genome-wide association studies. <i>Acta Diabetologica</i> , 2009 , 46, 217-26	3.9	81
366	Total zinc intake may modify the glucose-raising effect of a zinc transporter (SLC30A8) variant: a 14-cohort meta-analysis. <i>Diabetes</i> , 2011 , 60, 2407-16	0.9	81
365	Genetic and environmental influences on height from infancy to early adulthood: An individual-based pooled analysis of 45 twin cohorts. <i>Scientific Reports</i> , 2016 , 6, 28496	4.9	80
364	Gene-age interactions in blood pressure regulation: a large-scale investigation with the CHARGE, Global BPgen, and ICBP Consortia. <i>American Journal of Human Genetics</i> , 2014 , 95, 24-38	11	80
363	Association between birth weight and visceral fat in adults. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 347-52	7	75
362	Obesity genomics: assessing the transferability of susceptibility loci across diverse populations. <i>Genome Medicine</i> , 2013 , 5, 55	14.4	74
361	Adult obesity susceptibility variants are associated with greater childhood weight gain and a faster tempo of growth: the 1946 British Birth Cohort Study. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 1150-6	7	72
360	Genomewide meta-analysis identifies loci associated with IGF-I and IGFBP-3 levels with impact on age-related traits. <i>Aging Cell</i> , 2016 , 15, 811-24	9.9	71
359	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. <i>Scientific Reports</i> , 2017 , 7, 45040	4.9	70

358	NIH working group report-using genomic information to guide weight management: From universal to precision treatment. <i>Obesity</i> , 2016 , 24, 14-22	8	70
357	Differences in genetic and environmental variation in adult BMI by sex, age, time period, and region: an individual-based pooled analysis of 40 twin cohorts. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 457-466	7	69
356	The ADRB3 Trp64Arg variant and BMI: a meta-analysis of 44 833 individuals. <i>International Journal of Obesity</i> , 2008 , 32, 1240-9	5.5	69
355	Gene Dietary pattern interactions in obesity: analysis of up to 68 317 adults of European ancestry. <i>Human Molecular Genetics</i> , 2015 , 24, 4728-38	5.6	68
354	Length of gestation and birthweight in dizygotic twins. <i>Lancet, The</i> , 2001 , 358, 560-1	4.0	68
353	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program		68
352	Associations between common variants in GC and DHCR7/NADSYN1 and vitamin D concentration in Chinese Hans. <i>Human Genetics</i> , 2012 , 131, 505-12	6.3	67
351	Progress in the genetics of common obesity and type 2 diabetes. <i>Expert Reviews in Molecular Medicine</i> , 2010 , 12, e7	6.7	67
350	Birth weight and blood pressure in young adults: a prospective twin study. <i>Circulation</i> , 2001 , 104, 1633-8	6.7	67
349	Dietary Intake, FTO Genetic Variants, and Adiposity: A Combined Analysis of Over 16,000 Children and Adolescents. <i>Diabetes</i> , 2015 , 64, 2467-76	0.9	66
348	The genetic epidemiology of melanocortin 4 receptor variants. <i>European Journal of Pharmacology</i> , 2011 , 660, 156-64	5.3	65
347	Platelet-Related Variants Identified by Exomechip Meta-analysis in 157,293 Individuals. <i>American Journal of Human Genetics</i> , 2016 , 99, 40-55	11	61
346	Discovery and fine-mapping of adiposity loci using high density imputation of genome-wide association studies in individuals of African ancestry: African Ancestry Anthropometry Genetics Consortium. <i>PLoS Genetics</i> , 2017 , 13, e1006719	6	60
345	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019 , 51, 636-648	36.3	59
344	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , 2018 , 102, 375-400	11	59
343	Common variants in or near FGF5, CYP17A1 and MTHFR genes are associated with blood pressure and hypertension in Chinese Hans. <i>Journal of Hypertension</i> , 2011 , 29, 70-5	1.9	59
342	Lack of evidence for the role of human adenovirus-36 in obesity in a European cohort. <i>Obesity</i> , 2011 , 19, 220-1	8	58
341	Association of variants in the PCSK1 gene with obesity in the EPIC-Norfolk study. <i>Human Molecular Genetics</i> , 2009 , 18, 3496-501	5.6	58

340	Common genetic variation in the melatonin receptor 1B gene (MTNR1B) is associated with decreased early-phase insulin response. <i>Diabetologia</i> , 2009 , 52, 1537-42	10.3	58
339	Single-trait and multi-trait genome-wide association analyses identify novel loci for blood pressure in African-ancestry populations. <i>PLoS Genetics</i> , 2017 , 13, e1006728	6	58
338	Predicting Polygenic Obesity Using Genetic Information. <i>Cell Metabolism</i> , 2017 , 25, 535-543	24.6	57
337	The genetics of adiposity. <i>Current Opinion in Genetics and Development</i> , 2018 , 50, 86-95	4.9	57
336	Determinants of birthweight and intrauterine growth in liveborn twins. <i>Paediatric and Perinatal Epidemiology</i> , 2005 , 19 Suppl 1, 15-22	2.7	56
335	Transcript expression-aware annotation improves rare variant interpretation. <i>Nature</i> , 2020 , 581, 452-458	50.4	55
334	Advances in exercise, fitness, and performance genomics in 2010. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 743-52	1.2	55
333	Genome-wide Association Study of Platelet Count Identifies Ancestry-Specific Loci in Hispanic/Latino Americans. <i>American Journal of Human Genetics</i> , 2016 , 98, 229-42	11	54
332	Meta-analysis of the INSIG2 association with obesity including 74,345 individuals: does heterogeneity of estimates relate to study design?. <i>PLoS Genetics</i> , 2009 , 5, e1000694	6	54
331	A quantitative study of unpaid caregiving in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2000 , 6, 274-9	5	54
330	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019 , 104, 112-138	11	54
329	Evaluating drug targets through human loss-of-function genetic variation. <i>Nature</i> , 2020 , 581, 459-464	50.4	53
328	Genome-wide Study of Atrial Fibrillation Identifies Seven Risk Loci and Highlights Biological Pathways and Regulatory Elements Involved in Cardiac Development. <i>American Journal of Human Genetics</i> , 2018 , 102, 103-115	11	53
327	Genome-wide association study of height-adjusted BMI in childhood identifies functional variant in ADCY3. <i>Obesity</i> , 2014 , 22, 2252-9	8	53
326	Association of GCKR rs780094, alone or in combination with GCK rs1799884, with type 2 diabetes and related traits in a Han Chinese population. <i>Diabetologia</i> , 2009 , 52, 834-43	10.3	53
325	Protein-altering and regulatory genetic variants near GATA4 implicated in bicuspid aortic valve. <i>Nature Communications</i> , 2017 , 8, 15481	17.4	52
324	GWAS for BMI: a treasure trove of fundamental insights into the genetic basis of obesity. <i>International Journal of Obesity</i> , 2018 , 42, 1524-1531	5.5	52
323	Meta-analysis of lipid-traits in Hispanics identifies novel loci, population-specific effects, and tissue-specific enrichment of eQTLs. <i>Scientific Reports</i> , 2016 , 6, 19429	4.9	51

322	Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies. <i>Nature Communications</i> , 2019 , 10, 29	17.4	51
321	The genetics of obesity: from discovery to biology. <i>Nature Reviews Genetics</i> , 2021 ,	30.1	51
320	Obesity-susceptibility loci have a limited influence on birth weight: a meta-analysis of up to 28,219 individuals. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 851-60	7	50
319	Mammographic breast density and breast cancer: evidence of a shared genetic basis. <i>Cancer Research</i> , 2012 , 72, 1478-84	10.1	50
318	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. <i>Nature Medicine</i> , 2019 , 25, 507-516	50.5	49
317	Genetic predisposition to obesity leads to increased risk of type 2 diabetes. <i>Diabetologia</i> , 2011 , 54, 776-82	2.3	49
316	The CODATwins Project: The Cohort Description of Collaborative Project of Development of Anthropometrical Measures in Twins to Study Macro-Environmental Variation in Genetic and Environmental Effects on Anthropometric Traits. <i>Twin Research and Human Genetics</i> , 2015 , 18, 348-60	2.2	48
315	Genome-wide association analysis of red blood cell traits in African Americans: the COGENT Network. <i>Human Molecular Genetics</i> , 2013 , 22, 2529-38	5.6	48
314	Mendelian Randomisation Study of Childhood BMI and Early Menarche. <i>Journal of Obesity</i> , 2011 , 2011, 180729	3.7	48
313	Advances in exercise, fitness, and performance genomics in 2011. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 809-17	1.2	48
312	Adiponectin and adiponectin receptor gene variants in relation to resting metabolic rate, respiratory quotient, and adiposity-related phenotypes in the Quebec Family Study. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 26-34	7	48
311	Gene-diet interactions on body weight changes. <i>Journal of the American Dietetic Association</i> , 2005 , 105, S29-34		48
310	The effect of LRRK2 loss-of-function variants in humans. <i>Nature Medicine</i> , 2020 , 26, 869-877	50.5	47
309	Obesity: lessons from evolution and the environment. <i>Obesity Reviews</i> , 2012 , 13, 910-22	10.6	47
308	Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. <i>American Journal of Human Genetics</i> , 2016 , 99, 8-21	11	47
307	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , 2016 , 7, 13357	17.4	46
306	Novel approach identifies SNPs in SLC2A10 and KCNK9 with evidence for parent-of-origin effect on body mass index. <i>PLoS Genetics</i> , 2014 , 10, e1004508	6	45
305	Common genetic determinants of glucose homeostasis in healthy children: the European Youth Heart Study. <i>Diabetes</i> , 2009 , 58, 2939-45	0.9	45

304	Associations between the pubertal timing-related variant in LIN28B and BMI vary across the life course. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E125-9	5.6	45
303	Twin-specific intrauterine 'growth' charts based on cross-sectional birthweight data. <i>Twin Research and Human Genetics</i> , 2008 , 11, 224-35	2.2	45
302	Progress in the genetics of common obesity: size matters. <i>Current Opinion in Lipidology</i> , 2008 , 19, 113-21	4.4	45
301	Association of the V122I Hereditary Transthyretin Amyloidosis Genetic Variant With Heart Failure Among Individuals of African or Hispanic/Latino Ancestry. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 2191-2202	27.4	45
300	Gene-based meta-analysis of genome-wide association studies implicates new loci involved in obesity. <i>Human Molecular Genetics</i> , 2015 , 24, 6849-60	5.6	44
299	Genetic identification of a common collagen disease in puerto ricans via identity-by-descent mapping in a health system. <i>ELife</i> , 2017 , 6,	8.9	44
298	Advances in exercise, fitness, and performance genomics in 2012. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 824-31	1.2	44
297	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44
296	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019 , 51, 452-469	36.3	44
295	Growth in peak aerobic power during adolescence. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1616-24	1.2	43
294	The genetic architecture of membranous nephropathy and its potential to improve non-invasive diagnosis. <i>Nature Communications</i> , 2020 , 11, 1600	17.4	42
293	Large-Scale Exome-wide Association Analysis Identifies Loci for White Blood Cell Traits and Pleiotropy with Immune-Mediated Diseases. <i>American Journal of Human Genetics</i> , 2016 , 99, 22-39	11	42
292	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019 , 10, 376	17.4	41
291	Trans-ethnic Meta-analysis and Functional Annotation Illuminates the 'Genetic Architecture of Fasting Glucose and Insulin. <i>American Journal of Human Genetics</i> , 2016 , 99, 56-75	11	41
290	MTNR1B rs10830963 is associated with fasting plasma glucose, HbA1C and impaired beta-cell function in Chinese Hans from Shanghai. <i>BMC Medical Genetics</i> , 2010 , 11, 59	2.1	41
289	Association of lipin 1 gene polymorphisms with measures of energy and glucose metabolism. <i>Obesity</i> , 2007 , 15, 2723-32	8	41
288	Birthweight in liveborn twins: the influence of the umbilical cord insertion and fusion of placentas. <i>British Journal of Obstetrics and Gynaecology</i> , 2001 , 108, 943-948		41
287	A comprehensive evaluation of potential lung function associated genes in the SpiroMeta general population sample. <i>PLoS ONE</i> , 2011 , 6, e19382	3.7	41

286	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019 , 10, 4957	17.4	40
285	Gender-specific regional changes in genetic structure of muscularity in early adolescence. <i>Journal of Applied Physiology</i> , 1997 , 82, 1802-10	3.7	40
284	Evaluating the role of LPIN1 variation in insulin resistance, body weight, and human lipodystrophy in U.K. Populations. <i>Diabetes</i> , 2008 , 57, 2527-33	0.9	40
283	Variants in GLIS3 and CRY2 are associated with type 2 diabetes and impaired fasting glucose in Chinese Hans. <i>PLoS ONE</i> , 2011 , 6, e21464	3.7	40
282	PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. <i>Nature Communications</i> , 2018 , 9, 2904	17.4	39
281	Common variants in KCNQ1 are associated with type 2 diabetes and impaired fasting glucose in a Chinese Han population. <i>Human Molecular Genetics</i> , 2009 , 18, 3508-15	5.6	39
280	Strategies for Enriching Variant Coverage in Candidate Disease Loci on a Multiethnic Genotyping Array. <i>PLoS ONE</i> , 2016 , 11, e0167758	3.7	39
279	Two ethnic-specific polymorphisms in the human Agouti-related protein gene are associated with macronutrient intake. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 1097-101	7	38
278	A genetic study of anteroposterior and vertical facial proportions using model-fitting. <i>Angle Orthodontist</i> , 1998 , 68, 467-70	2.6	38
277	Genome-wide association study of red blood cell traits in Hispanics/Latinos: The Hispanic Community Health Study/Study of Latinos. <i>PLoS Genetics</i> , 2017 , 13, e1006760	6	38
276	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. <i>Nature Communications</i> , 2017 , 8, 744	17.4	37
275	Association between Mediterranean and Nordic diet scores and changes in weight and waist circumference: influence of FTO and TCF7L2 loci. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 1188-97	3.7	36
274	Advances in Exercise, Fitness, and Performance Genomics in 2015. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1906-16	1.2	36
273	Association between FTO variant and change in body weight and its interaction with dietary factors: the DiOGenes study. <i>Obesity</i> , 2012 , 20, 1669-74	8	35
272	Common SNPs in LEP and LEPR associated with birth weight and type 2 diabetes-related metabolic risk factors in twins. <i>International Journal of Obesity</i> , 2008 , 32, 1233-9	5.5	35
271	Contribution of common non-synonymous variants in PCSK1 to body mass index variation and risk of obesity: a systematic review and meta-analysis with evidence from up to 331 175 individuals. <i>Human Molecular Genetics</i> , 2015 , 24, 3582-94	5.6	34
270	Meta-analysis of rare and common exome chip variants identifies S1PR4 and other loci influencing blood cell traits. <i>Nature Genetics</i> , 2016 , 48, 867-76	36.3	34
269	New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. <i>Circulation: Cardiovascular Genetics</i> , 2017 , 10,		33

268	Limitations of Contemporary Guidelines for Managing Patients at High Genetic Risk of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 2769-2780	15.1	33
267	Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale. <i>Nature Genetics</i> , 2020 , 52, 969-983	36.3	33
266	A longitudinal study of eating behaviours in childhood and later eating disorder behaviours and diagnoses. <i>British Journal of Psychiatry</i> , 2020 , 216, 113-119	5.4	33
265	Genome-wide association study identifies 48 common genetic variants associated with handedness. <i>Nature Human Behaviour</i> , 2021 , 5, 59-70	12.8	33
264	Candidate genes for obesity-susceptibility show enriched association within a large genome-wide association study for BMI. <i>Human Molecular Genetics</i> , 2012 , 21, 4537-42	5.6	32
263	Analyses of single nucleotide polymorphisms in selected nutrient-sensitive genes in weight-regain prevention: the DIOGENES study. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 1254-60	7	32
262	Birth weight and creatinine clearance in young adult twins: influence of genetic, prenatal, and maternal factors. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 2471-6	12.7	32
261	Metabolic consequences of obesity and type 2 diabetes: Balancing genes and environment for personalized care. <i>Cell</i> , 2021 , 184, 1530-1544	56.2	32
260	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 1682-1691	27.4	31
259	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. <i>Nature Communications</i> , 2019 , 10, 5121	17.4	31
258	Association of exome sequences with plasma C-reactive protein levels in >9000 participants. <i>Human Molecular Genetics</i> , 2015 , 24, 559-71	5.6	31
257	Combined effects of 17 common genetic variants on type 2 diabetes risk in a Han Chinese population. <i>Diabetologia</i> , 2010 , 53, 2163-6	10.3	31
256	and Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 981-994	12.7	30
255	Associations of genetic risk score with obesity and related traits and the modifying effect of physical activity in a Chinese Han population. <i>PLoS ONE</i> , 2014 , 9, e91442	3.7	30
254	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021 , 12, 24	17.4	30
253	Influence of chorionicity on the heritability estimates of blood pressure: a study in twins. <i>Journal of Hypertension</i> , 2003 , 21, 1313-8	1.9	29
252	RBP4 variants are significantly associated with plasma RBP4 levels and hypertriglyceridemia risk in Chinese Hans. <i>Journal of Lipid Research</i> , 2009 , 50, 1479-86	6.3	28
251	Identification of a novel percent mammographic density locus at 12q24. <i>Human Molecular Genetics</i> , 2012 , 21, 3299-305	5.6	28

250	Polymorphisms in the leptin and leptin receptor genes in relation to resting metabolic rate and respiratory quotient in the QuBec Family Study. <i>International Journal of Obesity</i> , 2006 , 30, 183-90	5.5	28
249	Anthropometric characteristics of elite female junior rowers. <i>Journal of Sports Sciences</i> , 2001 , 19, 195-202	3.6	28
248	Genetic polymorphisms in the hypothalamic pathway in relation to subsequent weight change--the DiOGenes study. <i>PLoS ONE</i> , 2011 , 6, e17436	3.7	27
247	Genetic and environmental influences on adult human height across birth cohorts from 1886 to 1994. <i>ELife</i> , 2016 , 5,	8.9	27
246	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020 , 52, 1314-1332	36.3	26
245	15 years of genome-wide association studies and no signs of slowing down. <i>Nature Communications</i> , 2020 , 11, 5900	17.4	26
244	Advances in exercise, fitness, and performance genomics in 2014. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1105-12	1.2	25
243	Association of current and former smoking with body mass index: A study of smoking discordant twin pairs from 21 twin cohorts. <i>PLoS ONE</i> , 2018 , 13, e0200140	3.7	25
242	Genes that make you fat, but keep you healthy. <i>Journal of Internal Medicine</i> , 2018 , 284, 450-463	10.8	25
241	Pleiotropic effects of obesity-susceptibility loci on metabolic traits: a meta-analysis of up to 37,874 individuals. <i>Diabetologia</i> , 2013 , 56, 2134-46	10.3	25
240	Exome sequencing reveals a high prevalence of BRCA1 and BRCA2 founder variants in a diverse population-based biobank. <i>Genome Medicine</i> , 2019 , 12, 2	14.4	25
239	Genome-wide association study of primary open-angle glaucoma in continental and admixed African populations. <i>Human Genetics</i> , 2018 , 137, 847-862	6.3	25
238	Disentangling the genetics of lean mass. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 276-287	7	24
237	Genome-wide meta-analysis of common variant differences between men and women. <i>Human Molecular Genetics</i> , 2012 , 21, 4805-15	5.6	24
236	The Gly482Ser genotype at the PPARGC1A gene and elevated blood pressure: a meta-analysis involving 13,949 individuals. <i>Journal of Applied Physiology</i> , 2008 , 105, 1352-8	3.7	24
235	Lamin A/C polymorphisms, type 2 diabetes, and the metabolic syndrome: case-control and quantitative trait studies. <i>Diabetes</i> , 2007 , 56, 884-9	0.9	24
234	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021 ,	50.4	24
233	Acute Kidney Injury in Hospitalized Patients with COVID-19 2020 ,		24

232	Trans-ethnic fine-mapping of genetic loci for body mass index in the diverse ancestral populations of the Population Architecture using Genomics and Epidemiology (PAGE) Study reveals evidence for multiple signals at established loci. <i>Human Genetics</i> , 2017 , 136, 771-800	6.3	23
231	Genome-wide association of white blood cell counts in Hispanic/Latino Americans: the Hispanic Community Health Study/Study of Latinos. <i>Human Molecular Genetics</i> , 2017 , 26, 1193-1204	5.6	23
230	Evidence of interaction between type 2 diabetes susceptibility genes and dietary fat intake for adiposity and glucose homeostasis-related phenotypes. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2009 , 2, 225-34		23
229	Blood pressure in young adulthood and residential greenness in the early-life environment of twins. <i>Environmental Health</i> , 2017 , 16, 53	6	22
228	Fine-mapping of lipid regions in global populations discovers ethnic-specific signals and refines previously identified lipid loci. <i>Human Molecular Genetics</i> , 2016 , 25, 5500-5512	5.6	22
227	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , 2017 , 4, 170179	8.2	22
226	No interactions between previously associated 2-hour glucose gene variants and physical activity or BMI on 2-hour glucose levels. <i>Diabetes</i> , 2012 , 61, 1291-6	0.9	21
225	Evidence of genetic predisposition for metabolically healthy obesity and metabolically obese normal weight. <i>Physiological Genomics</i> , 2018 , 50, 169-178	3.6	20
224	Zygoty Differences in Height and Body Mass Index of Twins From Infancy to Old Age: A Study of the CODATwins Project. <i>Twin Research and Human Genetics</i> , 2015 , 18, 557-70	2.2	20
223	Advances in exercise, fitness, and performance genomics in 2013. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 851-9	1.2	20
222	Associations between glucose tolerance, insulin sensitivity and insulin secretion phenotypes and polymorphisms in adiponectin and adiponectin receptor genes in the Quebec Family Study. <i>Diabetic Medicine</i> , 2008 , 25, 400-6	3.5	20
221	Heritability of somatotype components: a multivariate analysis. <i>International Journal of Obesity</i> , 2007 , 31, 1295-301	5.5	20
220	Heritability of somatotype components from early adolescence into young adulthood: a multivariate analysis on a longitudinal twin study. <i>Annals of Human Biology</i> , 2003 , 30, 402-18	1.7	20
219	Association of PCSK1 rs6234 with obesity and related traits in a Chinese Han population. <i>PLoS ONE</i> , 2010 , 5, e10590	3.7	20
218	Patient Adipose Stem Cell-Derived Adipocytes Reveal Genetic Variation that Predicts Antidiabetic Drug Response. <i>Cell Stem Cell</i> , 2019 , 24, 299-308.e6	18	20
217	A joint view on genetic variants for adiposity differentiates subtypes with distinct metabolic implications. <i>Nature Communications</i> , 2018 , 9, 1946	17.4	20
216	Adiposity-Mortality Relationships in Type 2 Diabetes, Coronary Heart Disease, and Cancer Subgroups in the UK Biobank, and Their Modification by Smoking. <i>Diabetes Care</i> , 2018 , 41, 1878-1886	14.6	20
215	Influence of dietary protein intake and glycemic index on the association between TCF7L2 HapA and weight gain. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 1468-76	7	19

214	Polymorphisms in the gene encoding sterol regulatory element-binding factor-1c are associated with type 2 diabetes. <i>Diabetologia</i> , 2006 , 49, 2642-8	10.3	19
213	Genetic and environmental variation in educational attainment: an individual-based analysis of 28 twin cohorts. <i>Scientific Reports</i> , 2020 , 10, 12681	4.9	19
212	Variant Discovery and Fine Mapping of Genetic Loci Associated with Blood Pressure Traits in Hispanics and African Americans. <i>PLoS ONE</i> , 2016 , 11, e0164132	3.7	19
211	Mendelian randomisation analyses find pulmonary factors mediate the effect of height on coronary artery disease. <i>Communications Biology</i> , 2019 , 2, 119	6.7	18
210	Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 1380-1392	5.6	18
209	No Association of Coronary Artery Disease with X-Chromosomal Variants in Comprehensive International Meta-Analysis. <i>Scientific Reports</i> , 2016 , 6, 35278	4.9	18
208	Genetic and environmental influences on blood pressure variability: a study in twins. <i>Journal of Hypertension</i> , 2013 , 31, 690-7	1.9	18
207	Genetic predisposition influences plasma lipids of participants on habitual diet, but not the response to reductions in dietary intake of saturated fatty acids. <i>Atherosclerosis</i> , 2011 , 215, 421-7	3.1	18
206	Twin birth weight standards. <i>Neonatology</i> , 2007 , 92, 164-73	4	18
205	The influence of zygosity and chorion type on fat distribution in young adult twins consequences for twin studies. <i>Twin Research and Human Genetics</i> , 2001 , 4, 356-64		18
204	Fine-mapping of an expanded set of type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps		18
203	A multilevel linear mixed model of the association between candidate genes and weight and body mass index using the Framingham longitudinal family data. <i>BMC Proceedings</i> , 2009 , 3 Suppl 7, S115	2.3	17
202	Habitual energy expenditure modifies the association between NOS3 gene polymorphisms and blood pressure. <i>American Journal of Hypertension</i> , 2008 , 21, 297-302	2.3	17
201	Genomic risk prediction of coronary artery disease in nearly 500,000 adults: implications for early screening and primary prevention		17
200	The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population. <i>PLoS Medicine</i> , 2020 , 17, e1003196	11.6	17
199	Toward a fine-scale population health monitoring system. <i>Cell</i> , 2021 , 184, 2068-2083.e11	56.2	17
198	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. <i>Nature Communications</i> , 2020 , 11, 2542	17.4	16
197	Polygenic Score for Body Mass Index Is Associated with Disordered Eating in a General Population Cohort. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	16

196	Birth size and gestational age in opposite-sex twins as compared to same-sex twins: An individual-based pooled analysis of 21 cohorts. <i>Scientific Reports</i> , 2018 , 8, 6300	4.9	16
195	CREBRF variant increases obesity risk and protects against diabetes in Samoans. <i>Nature Genetics</i> , 2016 , 48, 976-8	36.3	16
194	Transethnic insight into the genetics of glycaemic traits: fine-mapping results from the Population Architecture using Genomics and Epidemiology (PAGE) consortium. <i>Diabetologia</i> , 2017 , 60, 2384-2398	10.3	16
193	Associations of the FTO rs9939609 variant with discrete body fat depots and dietary intake in a multi-ethnic cohort. <i>Genetical Research</i> , 2011 , 93, 419-26	1.1	16
192	Epidemiological study designs to investigate gene-behavior interactions in the context of human obesity. <i>Obesity</i> , 2008 , 16 Suppl 3, S66-71	8	16
191	Curves of Placental Weights of Live-Born Twins. <i>Twin Research and Human Genetics</i> , 2006 , 9, 664-672	2.2	16
190	The influence of maternal BMI and age in twin pregnancies on insulin resistance in the offspring. <i>Diabetes Care</i> , 2002 , 25, 2191-6	14.6	16
189	The Influence of Zygosity and Chorion Type on Fat Distribution in Young Adult Twins Consequences for Twin Studies. <i>Twin Research and Human Genetics</i> , 2001 , 4, 356-364		16
188	Genome-wide discovery of genetic loci that uncouple excess adiposity from its comorbidities. <i>Nature Metabolism</i> , 2021 , 3, 228-243	14.6	16
187	One size does not fit all. Genomics differentiates among anorexia nervosa, bulimia nervosa, and binge-eating disorder. <i>International Journal of Eating Disorders</i> , 2021 , 54, 785-793	6.3	16
186	Association between birthweight and later body mass index: an individual-based pooled analysis of 27 twin cohorts participating in the CODATwins project. <i>International Journal of Epidemiology</i> , 2017 , 46, 1488-1498	7.8	15
185	Genome-Wide Association Study of Heavy Smoking and Daily/Nondaily Smoking in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). <i>Nicotine and Tobacco Research</i> , 2018 , 20, 448-457	4.9	15
184	Augmented intelligence with natural language processing applied to electronic health records for identifying patients with non-alcoholic fatty liver disease at risk for disease progression. <i>International Journal of Medical Informatics</i> , 2019 , 129, 334-341	5.3	15
183	Evaluation of common genetic variants identified by GWAS for early onset and morbid obesity in population-based samples. <i>International Journal of Obesity</i> , 2013 , 37, 191-6	5.5	15
182	Determinants of infant growth in four age windows: a twin study. <i>Journal of Pediatrics</i> , 2011 , 158, 566-572	32.2	15
181	Are recently identified genetic variants regulating BMI in the general population associated with anorexia nervosa?. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010 , 153B, 695-699	3.5	15
180	Physical activity energy expenditure may mediate the relationship between plasma leptin levels and worsening insulin resistance independently of adiposity. <i>Journal of Applied Physiology</i> , 2007 , 102, 1921-6	3.7	15
179	An Empirical Comparison of Joint and Stratified Frameworks for Studying G x E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. <i>Genetic Epidemiology</i> , 2016 , 40, 404-15	2.6	15

178	Genetics of Chronic Kidney Disease Stages Across Ancestries: The PAGE Study. <i>Frontiers in Genetics</i> , 2019 , 10, 494	4.5	14
177	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019 , 28, 2615-2633	5.6	14
176	A common variant in PNPLA3 is associated with age at diagnosis of NAFLD in patients from a multi-ethnic biobank. <i>Journal of Hepatology</i> , 2020 , 72, 1070-1081	13.4	14
175	The genetic underpinnings of variation in ages at menarche and natural menopause among women from the multi-ethnic Population Architecture using Genomics and Epidemiology (PAGE) Study: A trans-ethnic meta-analysis. <i>PLoS ONE</i> , 2018 , 13, e0200486	3.7	14
174	The CODATwins Project: The Current Status and Recent Findings of COLlaborative Project of Development of Anthropometrical Measures in Twins. <i>Twin Research and Human Genetics</i> , 2019 , 22, 800-808	2.3	14
173	Association of genetic predisposition to obesity with type 2 diabetes risk in Han Chinese individuals. <i>Diabetologia</i> , 2014 , 57, 1830-3	10.3	14
172	Birthweight in liveborn twins: the influence of the umbilical cord insertion and fusion of placentas. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2001 , 108, 943-8	3.7	14
171	The PAGE Study: How Genetic Diversity Improves Our Understanding of the Architecture of Complex Traits		14
170	Eating behavior trajectories in the first 10 years of life and their relationship with BMI. <i>International Journal of Obesity</i> , 2020 , 44, 1766-1775	5.5	13
169	Across-cohort QC analyses of GWAS summary statistics from complex traits. <i>European Journal of Human Genetics</i> , 2016 , 25, 137-146	5.3	13
168	Association between serotonin 5-HT-2C receptor gene (HTR2C) polymorphisms and obesity- and mental health-related phenotypes in a large population-based cohort. <i>International Journal of Obesity</i> , 2010 , 34, 1028-33	5.5	13
167	PPARGC1A sequence variation and cardiovascular risk-factor levels: a study of the main genetic effects and gene x environment interactions in children from the European Youth Heart Study. <i>Diabetologia</i> , 2009 , 52, 609-13	10.3	13
166	PGC-1alpha gene and physical activity in type 2 diabetes mellitus. <i>Exercise and Sport Sciences Reviews</i> , 2006 , 34, 171-5	6.7	13
165	Genetic and environmental determination of tracking in static strength during adolescence. <i>Journal of Applied Physiology</i> , 2005 , 99, 1317-26	3.7	13
164	The energy balance model of obesity: beyond calories in, calories out.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	13
163	Ranking and characterization of established BMI and lipid associated loci as candidates for gene-environment interactions. <i>PLoS Genetics</i> , 2017 , 13, e1006812	6	13
162	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. <i>American Journal of Human Genetics</i> , 2019 , 105, 15-28	11	12
161	Influence of SNPs in nutrient-sensitive candidate genes and gene-diet interactions on blood lipids: the DiOGenes study. <i>British Journal of Nutrition</i> , 2013 , 110, 790-6	3.6	12

160	Absence of association between the INSIG2 gene polymorphism (rs7566605) and obesity in the European Youth Heart Study (EYHS). <i>Obesity</i> , 2009 , 17, 1453-7	8	12
159	Genomic variants at the PINK1 locus are associated with transcript abundance and plasma nonesterified fatty acid concentrations in European whites. <i>FASEB Journal</i> , 2008 , 22, 3135-45	0.9	12
158	Genetic and environmental factors affecting birth size variation: a pooled individual-based analysis of secular trends and global geographical differences using 26 twin cohorts. <i>International Journal of Epidemiology</i> , 2018 , 47, 1195-1206	7.8	12
157	Parental Education and Genetics of BMI from Infancy to Old Age: A Pooled Analysis of 29 Twin Cohorts. <i>Obesity</i> , 2019 , 27, 855-865	8	11
156	Genetic architecture of lipid traits in the Hispanic community health study/study of Latinos. <i>Lipids in Health and Disease</i> , 2017 , 16, 200	4.4	11
155	Integrating publicly available genome-wide association data to study the genetic basis of metabolically healthy obese and metabolically obese but normal-weight individuals. <i>Diabetes</i> , 2014 , 63, 4004-7	0.9	11
154	Genetic and environmental determination of tracking in subcutaneous fat distribution during adolescence. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 652-60	7	11
153	Retrospective determination of chorion type in twins using a simple questionnaire. <i>Twin Research and Human Genetics</i> , 2003 , 6, 19-21		11
152	Inherited Causes of Clonal Hematopoiesis of Indeterminate Potential in TOPMed Whole Genomes		11
151	Specific genetic influences on nighttime blood pressure. <i>American Journal of Hypertension</i> , 2015 , 28, 440-3	2.3	10
150	Genetics of maximally attained lung function: a role for leptin?. <i>Respiratory Medicine</i> , 2012 , 106, 235-42	4.6	10
149	Obesity-susceptibility loci and their influence on adiposity-related traits in transition from adolescence to adulthood--the HUNT study. <i>PLoS ONE</i> , 2012 , 7, e46912	3.7	10
148	Parent-of-origin specific linkage and association of the IGF2 gene region with birth weight and adult metabolic risk factors. <i>International Journal of Obesity</i> , 2009 , 33, 962-70	5.5	10
147	Genetic and environmental causes of tracking in explosive strength during adolescence. <i>Behavior Genetics</i> , 2005 , 35, 551-63	3.2	10
146	Twin studies and estimates of heritability. <i>Lancet, The</i> , 2001 , 357, 1445	40	10
145	Towards a fine-scale population health monitoring system		10
144	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. <i>Diabetes</i> , 2020 , 69, 2806-2818	0.9	10
143	Whole genome sequence association with E-selectin levels reveals loss-of-function variant in African Americans. <i>Human Molecular Genetics</i> , 2019 , 28, 515-523	5.6	10

142	Striatal Rgs4 regulates feeding and susceptibility to diet-induced obesity. <i>Molecular Psychiatry</i> , 2020 , 25, 2058-2069	15.1	10
141	A latent variable partial least squares path modeling approach to regional association and polygenic effect with applications to a human obesity study. <i>PLoS ONE</i> , 2012 , 7, e31927	3.7	9
140	Genetic predisposition to an adverse lipid profile limits the improvement in total cholesterol in response to weight loss. <i>Obesity</i> , 2013 , 21, 2589-95	8	9
139	NOS3 variants, physical activity, and blood pressure in the European Youth Heart Study. <i>American Journal of Hypertension</i> , 2011 , 24, 444-50	2.3	9
138	Ancestry-specific associations identified in genome-wide combined-phenotype study of red blood cell traits emphasize benefits of diversity in genomics. <i>BMC Genomics</i> , 2020 , 21, 228	4.5	8
137	Associations between birth size and later height from infancy through adulthood: An individual based pooled analysis of 28 twin cohorts participating in the CODATwins project. <i>Early Human Development</i> , 2018 , 120, 53-60	2.2	8
136	This I believe: gaining new insights through integrating "old" data. <i>Frontiers in Genetics</i> , 2012 , 3, 137	4.5	8
135	Lipoprotein receptor-related protein 1 variants and dietary fatty acids: meta-analysis of European origin and African American studies. <i>International Journal of Obesity</i> , 2013 , 37, 1211-20	5.5	8
134	No association between polymorphisms in the INSIG1 gene and the risk of type 2 diabetes and related traits. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 252-7	7	8
133	Changes in genetic and environmental effects on growth during infancy. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 1568-74	7	8
132	Clustering of metabolic risk factors in young adults: genes and environment. <i>Atherosclerosis</i> , 2008 , 200, 168-76	3.1	8
131	Mendelian randomisation studies of type 2 diabetes: future prospects. <i>Diabetologia</i> , 2008 , 51, 211-3	10.3	8
130	Gender mix: does it modify birthweight--outcome association?. <i>Paediatric and Perinatal Epidemiology</i> , 2005 , 19 Suppl 1, 37-40	2.7	8
129	Implementing genomic screening in diverse populations. <i>Genome Medicine</i> , 2021 , 13, 17	14.4	8
128	Is the adiposity-associated FTO gene variant related to all-cause mortality independent of adiposity? Meta-analysis of data from 169,551 Caucasian adults. <i>Obesity Reviews</i> , 2015 , 16, 327-340	10.6	7
127	Trans-ethnic analysis of metabochip data identifies two new loci associated with BMI. <i>International Journal of Obesity</i> , 2018 , 42, 384-390	5.5	7
126	Testing the role of predicted gene knockouts in human anthropometric trait variation. <i>Human Molecular Genetics</i> , 2016 , 25, 2082-2092	5.6	7
125	Does the sex of one's co-twin affect height and BMI in adulthood? A study of dizygotic adult twins from 31 cohorts. <i>Biology of Sex Differences</i> , 2017 , 8, 14	9.3	7

124	The contribution of prenatal environment and genetic factors to the association between birth weight and adult grip strength. <i>PLoS ONE</i> , 2011 , 6, e17955	3.7	7
123	A high-resolution HLA reference panel capturing global population diversity enables multi-ancestry fine-mapping in HIV host response. <i>Nature Genetics</i> , 2021 , 53, 1504-1516	36.3	7
122	Human loss-of-function variants suggest that partial LRRK2 inhibition is a safe therapeutic strategy for Parkinson's disease		7
121	Genetic discovery and risk characterization in type 2 diabetes across diverse populations. <i>Human Genetics and Genomics Advances</i> , 2021 , 2, 100029-100029	0.8	7
120	Kidney disease genetic risk variants alter lysosomal beta-mannosidase (β) expression and disease severity. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	7
119	The Genetic Architecture of Depression in Individuals of East Asian Ancestry: A Genome-Wide Association Study. <i>JAMA Psychiatry</i> , 2021 , 78, 1258-1269	14.5	7
118	Prognostic value of polygenic risk scores for adults with psychosis. <i>Nature Medicine</i> , 2021 , 27, 1576-1581	50.5	7
117	Clonal hematopoiesis in sickle cell disease. <i>Blood</i> , 2021 , 138, 2148-2152	2.2	7
116	The Genetic Determinants of Common Obesity-Susceptibility		2012, 317-378
115	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. <i>Nature Genetics</i> , 2022 ,	36.3	7
114	Education in Twins and Their Parents Across Birth Cohorts Over 100 years: An Individual-Level Pooled Analysis of 42-Twin Cohorts. <i>Twin Research and Human Genetics</i> , 2017 , 20, 395-405	2.2	6
113	Genetic and environmental influences on human height from infancy through adulthood at different levels of parental education. <i>Scientific Reports</i> , 2020 , 10, 7974	4.9	6
112	A Genome-Wide Association Study Identifies Blood Disorder-Related Variants Influencing Hemoglobin A With Implications for Glycemic Status in U.S. Hispanics/Latinos. <i>Diabetes Care</i> , 2019 , 42, 1784-1791	14.6	6
111	Dietary factors impact on the association between CTSS variants and obesity related traits. <i>PLoS ONE</i> , 2012 , 7, e40394	3.7	6
110	Do genetic factors contribute to the relation between education and metabolic risk factors in young adults? A twin study. <i>European Journal of Public Health</i> , 2013 , 23, 986-91	2.1	6
109	Inherited susceptibility to non-alcoholic fatty liver disease. <i>Diabetologia</i> , 2009 , 52, 1000-2	10.3	6
108	Association between the IL6-174G/C SNP and maximally attained lung function. <i>Thorax</i> , 2011 , 66, 179; author reply 179-80	7.3	6
107	Anthropometry, carbohydrate and lipid metabolism in the East Flanders Prospective Twin Survey: linkage of candidate genes using two sib-pair based variance components analyses. <i>Twin Research and Human Genetics</i> , 2008 , 11, 505-16	2.2	6

106	Global Biobank Meta-analysis Initiative: powering genetic discovery across human diseases		6
105	Genome sequencing unveils a regulatory landscape of platelet reactivity. <i>Nature Communications</i> , 2021 , 12, 3626	17.4	6
104	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. <i>Kidney International</i> , 2021 , 99, 926-939	9.9	6
103	Assessing the contribution of rare variants to complex trait heritability from whole-genome sequence data.. <i>Nature Genetics</i> , 2022 ,	36.3	6
102	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study. <i>PLoS Genetics</i> , 2020 , 16, e1008684	6	5
101	Lack of association between PCK1 polymorphisms and obesity, physical activity, and fitness in European Youth Heart Study (EYHS). <i>Obesity</i> , 2010 , 18, 1975-80	8	5
100	Modelling bivariate ordinal responses smoothly with examples from ophthalmology and genetics. <i>Statistics in Medicine</i> , 2001 , 20, 1825-42	2.3	5
99	Modelling the Interplay between Lifestyle Factors and Genetic Predisposition on Markers of Type 2 Diabetes Mellitus Risk. <i>PLoS ONE</i> , 2015 , 10, e0131681	3.7	5
98	Characterising the loss-of-function impact of 5' untranslated region variants in whole genome sequence data from 15,708 individuals		5
97	Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices. <i>Nature Communications</i> , 2021 , 12, 2182	17.4	5
96	Whole-genome sequencing association analysis of quantitative red blood cell phenotypes: The NHLBI TOPMed program. <i>American Journal of Human Genetics</i> , 2021 , 108, 874-893	11	5
95	Estimating the causal effect of BMI on mortality risk in people with heart disease, diabetes and cancer using Mendelian randomization. <i>International Journal of Cardiology</i> , 2021 , 330, 214-220	3.2	5
94	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. <i>Nature Communications</i> , 2021 , 12, 3505	17.4	5
93	Host genetic effects in pneumonia. <i>American Journal of Human Genetics</i> , 2021 , 108, 194-201	11	5
92	Copy Number Variant Analysis and Genome-wide Association Study Identify Loci with Large Effect for Vesicoureteral Reflux. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 ,	12.7	5
91	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose. <i>PLoS ONE</i> , 2020 , 15, e0230815	3.15	4
90	Generalization and fine mapping of red blood cell trait genetic associations to multi-ethnic populations: The PAGE Study. <i>American Journal of Hematology</i> , 2018 , 93, 1061	7.1	4
89	Theoretical underpinning for the use of twin studies in life course epidemiology 2009 , 57-84		4

88	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes		4
87	Genetic analysis of over one million people identifies 535 novel loci for blood pressure		4
86	Tissue-Specific Alteration of Metabolic Pathways Influences Glycemic Regulation		4
85	Genome-wide polygenic risk score for retinopathy of type 2 diabetes. <i>Human Molecular Genetics</i> , 2021 , 30, 952-960	5.6	4
84	Genetic variation near IRS1 is associated with adiposity and a favorable metabolic profile in U.S. Hispanics/Latinos. <i>Obesity</i> , 2016 , 24, 2407-2413	8	4
83	Complex patterns of direct and indirect association between the transcription Factor-7 like 2 gene, body mass index and type 2 diabetes diagnosis in adulthood in the Hispanic Community Health Study/Study of Latinos. <i>BMC Obesity</i> , 2018 , 5, 26	3.6	4
82	A common loss-of-function variant is associated with lower vitamin B concentration in African Americans. <i>Blood</i> , 2018 , 131, 2859-2863	2.2	4
81	Examining the causal association of fasting glucose with blood pressure in healthy children and adolescents: a Mendelian randomization study employing common genetic variants of fasting glucose. <i>Journal of Human Hypertension</i> , 2015 , 29, 179-84	2.6	3
80	Genetic predisposition to type 2 diabetes is associated with impaired insulin secretion but does not modify insulin resistance or secretion in response to an intervention to lower dietary saturated fat. <i>Genes and Nutrition</i> , 2012 , 7, 529-36	4.3	3
79	Population-Based Penetrance of Deleterious Clinical Variants.. <i>JAMA - Journal of the American Medical Association</i> , 2022 , 327, 350-359	27.4	3
78	The Polygenic and Monogenic Basis of Blood Traits and Diseases		3
77	Causal associations between urinary sodium with body mass, shape and composition: a Mendelian randomization study. <i>Scientific Reports</i> , 2020 , 10, 17475	4.9	3
76	Stratification of Type 2 Diabetes by Age of Diagnosis in the UK Biobank Reveals Subgroup-Specific Genetic Associations and Causal Risk Profiles. <i>Diabetes</i> , 2021 , 70, 1816-1825	0.9	3
75	Childhood overeating is associated with adverse cardiometabolic and inflammatory profiles in adolescence. <i>Scientific Reports</i> , 2021 , 11, 12478	4.9	3
74	Combined linkage and association analysis identifies rare and low frequency variants for blood pressure at 1q31. <i>European Journal of Human Genetics</i> , 2019 , 27, 269-277	5.3	3
73	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential.. <i>Science Advances</i> , 2022 , 8, eabl6579	14.3	3
72	Curves of placental weights of live-born twins. <i>Twin Research and Human Genetics</i> , 2006 , 9, 664-72	2.2	3
71	The role of country of birth, and genetic and self-identified ancestry, in obesity susceptibility among African and Hispanic Americans. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 16-23	7	2

70	Intake of Total and Subgroups of Fat Minimally Affect the Associations between Selected Single Nucleotide Polymorphisms in the PPAR α Pathway and Changes in Anthropometry among European Adults from Cohorts of the DiOGenes Study. <i>Journal of Nutrition</i> , 2016 , 146, 603-11	4.1	2
69	Association between birth weight and educational attainment: an individual-based pooled analysis of nine twin cohorts. <i>Journal of Epidemiology and Community Health</i> , 2018 , 72, 832-837	5.1	2
68	Variation in genes related to hepatic lipid metabolism and changes in waist circumference and body weight. <i>Genes and Nutrition</i> , 2014 , 9, 385	4.3	2
67	Genetic and environmental factors in associations between infant growth and adult cardiometabolic risk profile in twins. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 994-1001	7	2
66	Markers for cardiovascular disease in monozygotic twins discordant for the use of third-generation oral contraceptives. <i>Journal of Human Hypertension</i> , 2003 , 17, 481-5	2.6	2
65	MC4R marker associated with stature in children and young adults: a longitudinal study. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2005 , 18, 859-63	1.6	2
64	Retrospective Determination of Chorion Type in Twins Using a Simple Questionnaire		2
63	Whole-Genome Sequencing Association Analyses of Stroke and Its Subtypes in Ancestrally Diverse Populations From Trans-Omics for Precision Medicine Project. <i>Stroke</i> , 2021 , STROKEAHA120031792	6.7	2
62	Composite trait Mendelian Randomization reveals distinct metabolic and lifestyle consequences of differences in body shape		2
61	Rare coding variants in 35 genes associate with circulating lipid levels in a multi-ancestry analysis of 170,000 exomes		2
60	Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations		2
59	Serum gamma-glutamyl transferase, a marker of alcohol intake, is associated with telomere length and cardiometabolic risk in young adulthood. <i>Scientific Reports</i> , 2021 , 11, 12407	4.9	2
58	Whole genome sequence analysis of platelet traits in the NHLBI trans-omics for precision medicine initiative. <i>Human Molecular Genetics</i> , 2021 ,	5.6	2
57	Associations between Blood Metabolic Profile at 7 Years Old and Eating Disorders in Adolescence: Findings from the Avon Longitudinal Study of Parents and Children. <i>Metabolites</i> , 2019 , 9,	5.6	1
56	Addendum: A joint view on genetic variants for adiposity differentiates subtypes with distinct metabolic implications. <i>Nature Communications</i> , 2018 , 9, 2861	17.4	1
55	Gestation and Birthweight in Dizygotic Twins: Girls Call the Tune. <i>Twin Research and Human Genetics</i> , 2007 , 10, 6-7	2.2	1
54	Gestation and birthweight in dizygotic twins. <i>Lancet, The</i> , 2002 , 359, 172	4.0	1
53	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed.. <i>Cell Genomics</i> , 2022 , 2, 100084-100084		1

52	Multi-ethnic GWAS and fine-mapping of glycaemic traits identify novel loci in the PAGE Study.. <i>Diabetologia</i> , 2021 , 65, 477	10.3	1
51	APOL1 renal risk variants are associated with obesity and body composition in African ancestry adults: An observational genotype-phenotype association study. <i>Medicine (United States)</i> , 2021 , 100, e27785	1.8	1
50	Novel genetic determinants of telomere length from a trans-ethnic analysis of 109,122 whole genome sequences in TOPMed		1
49	Novel blood pressure locus and gene discovery using GWAS and expression datasets from blood and the kidney		1
48	One size does not fit all. Genomics differentiates among binge-eating disorder, bulimia nervosa, and anorexia nervosa		1
47	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes		1
46	Whole genome sequencing association analysis of quantitative red blood cell phenotypes: the NHLBI TOPMed program		1
45	Meta-analysis of genome-wide association studies for body fat distribution in 694,649 individuals of European ancestry		1
44	Multi-ancestry analysis of gene-sleep interactions in 126,926 individuals identifies multiple novel blood lipid loci that contribute to our understanding of sleep-associated adverse blood lipid profile		1
43	Association of Genetic Risk of Obesity with Postoperative Complications Using Mendelian Randomization. <i>World Journal of Surgery</i> , 2020 , 44, 84-94	3.3	1
42	Implementing genomic screening in diverse populations		1
41	The Promise of Selecting Individuals from the Extremes of Exposure in the Analysis of Gene-Physical Activity Interactions. <i>Human Heredity</i> , 2018 , 83, 315-332	1.1	1
40	Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. <i>Communications Biology</i> , 2021 , 4, 1064	6.7	1
39	Whole-genome sequencing in diverse subjects identifies genetic correlates of leukocyte traits: The NHLBI TOPMed program. <i>American Journal of Human Genetics</i> , 2021 , 108, 1836-1851	11	1
38	Eating disorder symptoms and their associations with anthropometric and psychiatric polygenic scores.. <i>European Eating Disorders Review</i> , 2022 ,	5.3	1
37	Predicted gene expression in ancestrally diverse populations leads to discovery of susceptibility loci for lifestyle and cardiometabolic traits.. <i>American Journal of Human Genetics</i> , 2022 ,	11	1
36	Whole genome sequencing identifies common and rare structural variants contributing to hematologic traits in the NHLBI TOPMed program		1
35	Dysregulation of macrophage PEPD in obesity determines adipose tissue fibro-inflammation and insulin resistance.. <i>Nature Metabolism</i> , 2022 , 4, 476-494	14.6	1

34	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. <i>Communications Biology</i> , 2022 , 5,	6.7	1
33	Genome-wide association study of susceptibility to hospitalised respiratory infections. <i>Wellcome Open Research</i> , 6, 290	4.8	o
32	Genetics of Obesity and Diabetes 2010 , 499-521		o
31	Strategies to Understand the Weight-Reduced State: Genetics and Brain Imaging. <i>Obesity</i> , 2021 , 29 Suppl 1, S39-S50	8	o
30	Genetic pleiotropy of ERCC6 loss-of-function and deleterious missense variants links retinal dystrophy, arrhythmia, and immunodeficiency in diverse ancestries. <i>Human Mutation</i> , 2021 , 42, 969-977	4.7	o
29	Multi-ethnic genome-wide association analyses of white blood cell and platelet traits in the Population Architecture using Genomics and Epidemiology (PAGE) study. <i>BMC Genomics</i> , 2021 , 22, 432	4.5	o
28	The genomics of childhood eating behaviours. <i>Nature Human Behaviour</i> , 2021 , 5, 625-630	12.8	o
27	Rare Coding Variants Associated With Electrocardiographic Intervals Identify Monogenic Arrhythmia Susceptibility Genes: A Multi-Ancestry Analysis. <i>Circulation Genomic and Precision Medicine</i> , 2021 , 14, e003300	5.2	o
26	Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits-The Hispanic/Latino Anthropometry Consortium.. <i>Human Genetics and Genomics Advances</i> , 2022 , 3, 100099	0.8	o
25	The Value of Genetic Variation in the Prediction of Obesity 2016 , 441-462		
24	The Leuven Longitudinal Twin Study (LLTS): Major Findings. <i>Twin Research and Human Genetics</i> , 2007 , 10, 15-18	2.2	
23	The Genetic Determinants of Common Obesity-Susceptibility 2017 , 383-425		
22	Genome-Wide Association Studies and Human Population Obesity. <i>Growth Hormone</i> , 2011 , 95-112		
21	Variant-specific inflation factors for assessing population stratification at the phenotypic variance level. <i>Nature Communications</i> , 2021 , 12, 3506	17.4	
20	F54POLYGENIC RISK SCORE FOR OBESITY IS ASSOCIATED WITH EATING BEHAVIORS OF TEENAGERS IN THE AVON LONGITUDINAL STUDY OF PARENTS AND CHILDREN (ALSPAC). <i>European Neuropsychopharmacology</i> , 2019 , 29, S1138-S1139	1.2	
19	Educational attainment of same-sex and opposite-sex dizygotic twins: An individual-level pooled study of 19 twin cohorts. <i>Hormones and Behavior</i> , 2021 , 136, 105054	3.7	
18	Rare coding variants in RCN3 are associated with blood pressure.. <i>BMC Genomics</i> , 2022 , 23, 148	4.5	
17	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study 2020 , 16, e1008684		

- 16 Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study **2020**, 16, e1008684
- 15 Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study **2020**, 16, e1008684
- 14 Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study **2020**, 16, e1008684
- 13 Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study **2020**, 16, e1008684
- 12 Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study **2020**, 16, e1008684
- 11 The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population **2020**, 17, e1003196
- 10 The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population **2020**, 17, e1003196
- 9 The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population **2020**, 17, e1003196
- 8 The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population **2020**, 17, e1003196
- 7 The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population **2020**, 17, e1003196
- 6 The role of polygenic susceptibility to obesity among carriers of pathogenic mutations in MC4R in the UK Biobank population **2020**, 17, e1003196
- 5 Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815
- 4 Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815
- 3 Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815
- 2 Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815
- 1 The Value of Rare Genetic Variation in the Prediction of Common Obesity in European Ancestry Populations.. *Frontiers in Endocrinology*, **2022**, 13, 863893