

# Oluf Borbye Pedersen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3985997/oluf-borbye-pedersen-publications-by-citations.pdf>  
**Version:** 2024-03-20

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.

685 papers	78,682 citations	111 h-index	269 g-index
735 ext. papers	95,381 ext. citations	10.2 avg, IF	7.58 L-index

#	Paper	IF	Citations
685	A human gut microbial gene catalogue established by metagenomic sequencing. <i>Nature</i> , <b>2010</b> , 464, 59-65	50.4	7044
684	Enterotypes of the human gut microbiome. <i>Nature</i> , <b>2011</b> , 473, 174-80	50.4	4240
683	A metagenome-wide association study of gut microbiota in type 2 diabetes. <i>Nature</i> , <b>2012</b> , 490, 55-60	50.4	3779
682	Multifactorial intervention and cardiovascular disease in patients with type 2 diabetes. <i>New England Journal of Medicine</i> , <b>2003</b> , 348, 383-93	59.2	3185
681	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , <b>2013</b> , 500, 541-6	50.4	2584
680	Effect of a multifactorial intervention on mortality in type 2 diabetes. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 580-91	59.2	2457
679	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , <b>2010</b> , 42, 937-48	36.3	2267
678	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , <b>2010</b> , 42, 105-16	36.3	1673
677	Meta-analysis of genome-wide association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. <i>Nature Genetics</i> , <b>2008</b> , 40, 638-45	36.3	1496
676	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. <i>Nature Genetics</i> , <b>2010</b> , 42, 579-89	36.3	1449
675	The Human Intestinal Microbiome in Health and Disease. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 2369-2379	59.2	1429
674	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. <i>Nature</i> , <b>2015</b> , 528, 262-266	50.4	1107
673	An integrated catalog of reference genes in the human gut microbiome. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 834-41	44.5	1088
672	Genome-wide association yields new sequence variants at seven loci that associate with measures of obesity. <i>Nature Genetics</i> , <b>2009</b> , 41, 18-24	36.3	1085
671	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , <b>2016</b> , 535, 376-81	50.4	977
670	Mutations in the hepatocyte nuclear factor-1alpha gene in maturity-onset diabetes of the young (MODY3). <i>Nature</i> , <b>1996</b> , 384, 455-8	50.4	973
669	A variant in CDKAL1 influences insulin response and risk of type 2 diabetes. <i>Nature Genetics</i> , <b>2007</b> , 39, 770-5	36.3	851

668	Intensified multifactorial intervention in patients with type 2 diabetes mellitus and microalbuminuria: the Steno type 2 randomised study. <i>Lancet, The</i> , <b>1999</b> , 353, 617-22	40	731
667	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> , <b>2010</b> , 42, 949-60	36.3	724
666	The genetic architecture of type 2 diabetes. <i>Nature</i> , <b>2016</b> , 536, 41-47	50.4	704
665	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. <i>Nature Genetics</i> , <b>2018</b> , 50, 1505-1513	36.3	675
664	Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 822-8	44.5	624
663	Two variants on chromosome 17 confer prostate cancer risk, and the one in TCF2 protects against type 2 diabetes. <i>Nature Genetics</i> , <b>2007</b> , 39, 977-83	36.3	616
662	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. <i>Nature Genetics</i> , <b>2008</b> , 40, 217-24	36.3	596
661	SNPs in KCNQ1 are associated with susceptibility to type 2 diabetes in East Asian and European populations. <i>Nature Genetics</i> , <b>2008</b> , 40, 1098-102	36.3	555
660	Genetic variation in GIPR influences the glucose and insulin responses to an oral glucose challenge. <i>Nature Genetics</i> , <b>2010</b> , 42, 142-8	36.3	527
659	Many sequence variants affecting diversity of adult human height. <i>Nature Genetics</i> , <b>2008</b> , 40, 609-15	36.3	522
658	Gut microbiota in human metabolic health and disease. <i>Nature Reviews Microbiology</i> , <b>2021</b> , 19, 55-71	22.2	487
657	High prevalence of type 2 diabetes and pre-diabetes in adult offspring of women with gestational diabetes mellitus or type 1 diabetes: the role of intrauterine hyperglycemia. <i>Diabetes Care</i> , <b>2008</b> , 31, 340-6	14.6	481
656	A variant near MTNR1B is associated with increased fasting plasma glucose levels and type 2 diabetes risk. <i>Nature Genetics</i> , <b>2009</b> , 41, 89-94	36.3	466
655	Refining the impact of TCF7L2 gene variants on type 2 diabetes and adaptive evolution. <i>Nature Genetics</i> , <b>2007</b> , 39, 218-25	36.3	420
654	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. <i>Diabetes</i> , <b>2017</b> , 66, 2888-2902	29.02	414
653	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , <b>2017</b> , 542, 186-190	50.4	412
652	Low physical activity accentuates the effect of the FTO rs9939609 polymorphism on body fat accumulation. <i>Diabetes</i> , <b>2008</b> , 57, 95-101	0.9	386
651	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> , <b>2011</b> , 8, e1001116	11.6	379

650	Genetic variant near IRS1 is associated with type 2 diabetes, insulin resistance and hyperinsulinemia. <i>Nature Genetics</i> , <b>2009</b> , 41, 1110-5	36.3	356
649	Loss-of-function mutations in SLC30A8 protect against type 2 diabetes. <i>Nature Genetics</i> , <b>2014</b> , 46, 357-63	36.3	351
648	Metagenomic species profiling using universal phylogenetic marker genes. <i>Nature Methods</i> , <b>2013</b> , 10, 1196-9	21.6	340
647	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> , <b>2012</b> , 8, e1002607	6	326
646	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , <b>2017</b> , 49, 1758-1766	36.6	310
645	Overweight and the metabolic syndrome in adult offspring of women with diet-treated gestational diabetes mellitus or type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 2464-70	5.6	304
644	Aminoacid polymorphisms of insulin receptor substrate-1 in non-insulin-dependent diabetes mellitus. <i>Lancet, The</i> , <b>1993</b> , 342, 828-32	40	300
643	Greenlandic Inuit show genetic signatures of diet and climate adaptation. <i>Science</i> , <b>2015</b> , 349, 1343-7	33.3	298
642	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , <b>2015</b> , 47, 1415-25	36.3	292
641	Alterations in fecal microbiota composition by probiotic supplementation in healthy adults: a systematic review of randomized controlled trials. <i>Genome Medicine</i> , <b>2016</b> , 8, 52	14.4	290
640	Years of life gained by multifactorial intervention in patients with type 2 diabetes mellitus and microalbuminuria: 21 years follow-up on the Steno-2 randomised trial. <i>Diabetologia</i> , <b>2016</b> , 59, 2298-2307	10.3	268
639	Genome-wide associations for birth weight and correlations with adult disease. <i>Nature</i> , <b>2016</b> , 538, 248-252	52.4	266
638	Resequencing of 200 human exomes identifies an excess of low-frequency non-synonymous coding variants. <i>Nature Genetics</i> , <b>2010</b> , 42, 969-72	36.3	264
637	A common Greenlandic TBC1D4 variant confers muscle insulin resistance and type 2 diabetes. <i>Nature</i> , <b>2014</b> , 512, 190-3	50.4	258
636	Recovery of gut microbiota of healthy adults following antibiotic exposure. <i>Nature Microbiology</i> , <b>2018</b> , 3, 1255-1265	26.6	246
635	Common nonsynonymous variants in PCSK1 confer risk of obesity. <i>Nature Genetics</i> , <b>2008</b> , 40, 943-5	36.3	242
634	Identification of low-frequency and rare sequence variants associated with elevated or reduced risk of type 2 diabetes. <i>Nature Genetics</i> , <b>2014</b> , 46, 294-8	36.3	241
633	The E23K variant of Kir6.2 associates with impaired post-OGTT serum insulin response and increased risk of type 2 diabetes. <i>Diabetes</i> , <b>2003</b> , 52, 573-7	0.9	241

632	Impact of type 2 diabetes susceptibility variants on quantitative glycemic traits reveals mechanistic heterogeneity. <i>Diabetes</i> , <b>2014</b> , 63, 2158-71	0.9	235
631	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. <i>Nature Genetics</i> , <b>2013</b> , 45, 76-82	36.3	232
630	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology</i> , <b>2017</b> , 5, 97-105	18.1	225
629	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. <i>Nature Genetics</i> , <b>2015</b> , 47, 1282-1293	36.3	223
628	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , <b>2018</b> , 50, 559-571	36.3	221
627	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> , <b>2015</b> , 11, e1005378	6	220
626	A genome-wide association study in the Japanese population identifies susceptibility loci for type 2 diabetes at UBE2E2 and C2CD4A-C2CD4B. <i>Nature Genetics</i> , <b>2010</b> , 42, 864-8	36.3	214
625	Studies of association of variants near the HHEX, CDKN2A/B, and IGF2BP2 genes with type 2 diabetes and impaired insulin release in 10,705 Danish subjects: validation and extension of genome-wide association studies. <i>Diabetes</i> , <b>2007</b> , 56, 3105-11	0.9	207
624	The prevalence of the metabolic syndrome in a danish population of women with previous gestational diabetes mellitus is three-fold higher than in the general population. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 4004-10	5.6	207
623	Colonic transit time is related to bacterial metabolism and mucosal turnover in the gut. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16093	26.6	204
622	A germline variant in the TP53 polyadenylation signal confers cancer susceptibility. <i>Nature Genetics</i> , <b>2011</b> , 43, 1098-103	36.3	203
621	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 389-403	5.6	202
620	Long-term AICAR administration reduces metabolic disturbances and lowers blood pressure in rats displaying features of the insulin resistance syndrome. <i>Diabetes</i> , <b>2002</b> , 51, 2199-206	0.9	200
619	Role of transcription factor KLF11 and its diabetes-associated gene variants in pancreatic beta cell function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 4807-12	11.5	197
618	Increasing incidence of diabetes after gestational diabetes: a long-term follow-up in a Danish population. <i>Diabetes Care</i> , <b>2004</b> , 27, 1194-9	14.6	193
617	Roux-en-Y gastric bypass surgery of morbidly obese patients induces swift and persistent changes of the individual gut microbiota. <i>Genome Medicine</i> , <b>2016</b> , 8, 67	14.4	187
616	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , <b>2018</b> , 50, 26-41	36.3	186
615	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , <b>2019</b> , 51, 804-814	36.3	181

614	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , <b>2016</b> , 48, 1151-1161	36.3	181
613	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , <b>2016</b> , 7, 10495	17.4	180
612	GLP-1 Response to Oral Glucose Is Reduced in Prediabetes, Screen-Detected Type 2 Diabetes, and Obesity and Influenced by Sex: The ADDITION-PRO Study. <i>Diabetes</i> , <b>2015</b> , 64, 2513-25	0.9	171
611	Common type 2 diabetes risk gene variants associate with gestational diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 145-50	5.6	169
610	Impact of age, BMI and HbA1c levels on the genome-wide DNA methylation and mRNA expression patterns in human adipose tissue and identification of epigenetic biomarkers in blood. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 3792-813	5.6	168
609	Aberrant intestinal microbiota in individuals with prediabetes. <i>Diabetologia</i> , <b>2018</b> , 61, 810-820	10.3	163
608	Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial. <i>Gut</i> , <b>2019</b> , 68, 83-93	19.2	162
607	Seven mutations in the human insulin gene linked to permanent neonatal/infancy-onset diabetes mellitus. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2148-56	15.9	158
606	Gestational diabetes is associated with change in the gut microbiota composition in third trimester of pregnancy and postpartum. <i>Microbiome</i> , <b>2018</b> , 6, 89	16.6	155
605	Genome-wide association study identifies a sequence variant within the DAB2IP gene conferring susceptibility to abdominal aortic aneurysm. <i>Nature Genetics</i> , <b>2010</b> , 42, 692-7	36.3	155
604	Genetic evidence that raised sex hormone binding globulin (SHBG) levels reduce the risk of type 2 diabetes. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 535-44	5.6	150
603	Increased insulin receptors after exercise in patients with insulin-dependent diabetes mellitus. <i>New England Journal of Medicine</i> , <b>1980</b> , 302, 886-92	59.2	150
602	Gene-lifestyle interaction and type 2 diabetes: the EPIC interact case-cohort study. <i>PLoS Medicine</i> , <b>2014</b> , 11, e1001647	11.6	149
601	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , <b>2015</b> , 6, 5897	17.4	147
600	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. <i>Nature Communications</i> , <b>2016</b> , 7, 11089	17.4	145
599	Gene [physical activity interactions in obesity: combined analysis of 111,421 individuals of European ancestry. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003607	6	145
598	Remission to normoalbuminuria during multifactorial treatment preserves kidney function in patients with type 2 diabetes and microalbuminuria. <i>Nephrology Dialysis Transplantation</i> , <b>2004</b> , 19, 2784-8	4.3	144
597	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , <b>2017</b> , 5, 184-195	18.1	143

596	Prevalence of mutations and functional analyses of melanocortin 4 receptor variants identified among 750 men with juvenile-onset obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 219-24	5.6	140
595	Insulin resistance as a physiological defense against metabolic stress: implications for the management of subsets of type 2 diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 673-86	0.9	139
594	Dietary glycemic index, glycemic load, fiber, simple sugars, and insulin resistance: the Inter99 study. <i>Diabetes Care</i> , <b>2005</b> , 28, 1397-403	14.6	139
593	A genome-wide association search for type 2 diabetes genes in African Americans. <i>PLoS ONE</i> , <b>2012</b> , 7, e29202	3.7	138
592	The GCKR rs780094 polymorphism is associated with elevated fasting serum triacylglycerol, reduced fasting and OGTT-related insulinaemia, and reduced risk of type 2 diabetes. <i>Diabetologia</i> , <b>2008</b> , 51, 70-5	10.3	137
591	Genetic susceptibility to type 2 diabetes and obesity: from genome-wide association studies to rare variants and beyond. <i>Diabetologia</i> , <b>2014</b> , 57, 1528-41	10.3	135
590	Specific gut microbiota features and metabolic markers in postmenopausal women with obesity. <i>Nutrition and Diabetes</i> , <b>2015</b> , 5, e159	4.7	134
589	A Gly482Ser missense mutation in the peroxisome proliferator-activated receptor gamma coactivator-1 is associated with altered lipid oxidation and early insulin secretion in Pima Indians. <i>Diabetes</i> , <b>2003</b> , 52, 895-8	0.9	130
588	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , <b>2019</b> , 570, 71-76	50.4	129
587	Variations in the G6PC2/ABCB11 genomic region are associated with fasting glucose levels. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2620-8	15.9	127
586	Estimation of allele frequency and association mapping using next-generation sequencing data. <i>BMC Bioinformatics</i> , <b>2011</b> , 12, 231	3.6	126
585	Development of a type 2 diabetes risk model from a panel of serum biomarkers from the Inter99 cohort. <i>Diabetes Care</i> , <b>2009</b> , 32, 1207-12	14.6	126
584	FGF21 Is a Sugar-Induced Hormone Associated with Sweet Intake and Preference in Humans. <i>Cell Metabolism</i> , <b>2017</b> , 25, 1045-1053.e6	24.6	123
583	Insulin sensitivity, insulin release and glucagon-like peptide-1 levels in persons with impaired fasting glucose and/or impaired glucose tolerance in the EUGENE2 study. <i>Diabetologia</i> , <b>2008</b> , 51, 502-11	10.3	121
582	FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 6961-72	5.6	120
581	Novel variation and de novo mutation rates in population-wide de novo assembled Danish trios. <i>Nature Communications</i> , <b>2015</b> , 6, 5969	17.4	119
580	Mechanisms in endocrinology: Gut microbiota in patients with type 2 diabetes mellitus. <i>European Journal of Endocrinology</i> , <b>2015</b> , 172, R167-77	6.5	119
579	Apolipoprotein(a) genetic sequence variants associated with systemic atherosclerosis and coronary atherosclerotic burden but not with venous thromboembolism. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 722-9	15.1	118



578	Association testing of novel type 2 diabetes risk alleles in the JAZF1, CDC123/CAMK1D, TSPAN8, THADA, ADAMTS9, and NOTCH2 loci with insulin release, insulin sensitivity, and obesity in a population-based sample of 4,516 glucose-tolerant middle-aged Danes. <i>Diabetes</i> , <b>2008</b> , 57, 2534-40	0.9	116
577	Increased insulin sensitivity and cellular insulin binding in obese diabetics following treatment with glibenclamide. <i>European Journal of Endocrinology</i> , <b>1979</b> , 90, 451-62	6.5	114
576	Insulin gene mutations resulting in early-onset diabetes: marked differences in clinical presentation, metabolic status, and pathogenic effect through endoplasmic reticulum retention. <i>Diabetes</i> , <b>2010</b> , 59, 653-61	0.9	112
575	Human pancreatic islet three-dimensional chromatin architecture provides insights into the genetics of type 2 diabetes. <i>Nature Genetics</i> , <b>2019</b> , 51, 1137-1148	36.3	111
574	G-allele of intronic rs10830963 in MTNR1B confers increased risk of impaired fasting glycemia and type 2 diabetes through an impaired glucose-stimulated insulin release: studies involving 19,605 Europeans. <i>Diabetes</i> , <b>2009</b> , 58, 1450-6	0.9	111
573	Cost-effectiveness of intensified versus conventional multifactorial intervention in type 2 diabetes: results and projections from the Steno-2 study. <i>Diabetes Care</i> , <b>2008</b> , 31, 1510-5	14.6	111
572	Whole-exome sequencing of 2,000 Danish individuals and the role of rare coding variants in type 2 diabetes. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 1072-86	11	109
571	The T allele of rs7903146 TCF7L2 is associated with impaired insulinotropic action of incretin hormones, reduced 24 h profiles of plasma insulin and glucagon, and increased hepatic glucose production in young healthy men. <i>Diabetologia</i> , <b>2009</b> , 52, 1298-307	10.3	108
570	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , <b>2016</b> , 7, 10494	17.4	107
569	Natural selection affects multiple aspects of genetic variation at putatively neutral sites across the human genome. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002326	6	107
568	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , <b>2017</b> , 8, 14977	17.4	105
567	Impaired fasting glycaemia vs impaired glucose tolerance: similar impairment of pancreatic alpha and beta cell function but differential roles of incretin hormones and insulin action. <i>Diabetologia</i> , <b>2008</b> , 51, 853-61	10.3	103
566	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006528	6	103
565	Dietary modulation of the gut microbiota--a randomised controlled trial in obese postmenopausal women. <i>British Journal of Nutrition</i> , <b>2015</b> , 114, 406-17	3.6	102
564	Exome sequencing-driven discovery of coding polymorphisms associated with common metabolic phenotypes. <i>Diabetologia</i> , <b>2013</b> , 56, 298-310	10.3	102
563	An Improved Method for High Quality Metagenomics DNA Extraction from Human and Environmental Samples. <i>Scientific Reports</i> , <b>2016</b> , 6, 26775	4.9	101
562	The common SLC30A8 Arg325Trp variant is associated with reduced first-phase insulin release in 846 non-diabetic offspring of type 2 diabetes patients--the EUGENE2 study. <i>Diabetologia</i> , <b>2008</b> , 51, 816-20	10.3	101
561	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. <i>Nature</i> , <b>2020</b> , 581, 310-315	5.4	100



560	Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. <i>Nature Communications</i> , <b>2016</b> , 7, 10531	17.4	99
559	Loss-of-function variants in ADCY3 increase risk of obesity and type 2 diabetes. <i>Nature Genetics</i> , <b>2018</b> , 50, 172-174	36.3	97
558	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. <i>Cell</i> , <b>2014</b> , 156, 343-58	56.2	96
557	The Polygenic and Monogenic Basis of Blood Traits and Diseases. <i>Cell</i> , <b>2020</b> , 182, 1214-1231.e11	56.2	96
556	Mendelian randomization studies do not support a causal role for reduced circulating adiponectin levels in insulin resistance and type 2 diabetes. <i>Diabetes</i> , <b>2013</b> , 62, 3589-98	0.9	95
555	Variant ASGR1 Associated with a Reduced Risk of Coronary Artery Disease. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 2131-41	59.2	94
554	A novel syndrome of autosomal-dominant hyperinsulinemic hypoglycemia linked to a mutation in the human insulin receptor gene. <i>Diabetes</i> , <b>2004</b> , 53, 1592-8	0.9	93
553	Insulin Resistance Is Accompanied by Increased Fasting Glucagon and Delayed Glucagon Suppression in Individuals With Normal and Impaired Glucose Regulation. <i>Diabetes</i> , <b>2016</b> , 65, 3473-3481	0.9	93
552	IL6 gene promoter polymorphisms and type 2 diabetes: joint analysis of individual participantsQ data from 21 studies. <i>Diabetes</i> , <b>2006</b> , 55, 2915-21	0.9	91
551	Genome-wide population-based association study of extremely overweight young adults--the GOYA study. <i>PLoS ONE</i> , <b>2011</b> , 6, e24303	3.7	90
550	Decreased binding of insulin to its receptor in patients with congenital generalized lipodystrophy. <i>New England Journal of Medicine</i> , <b>1977</b> , 296, 245-8	59.2	89
549	The association between the val/ala-55 polymorphism of the uncoupling protein 2 gene and exercise efficiency. <i>International Journal of Obesity</i> , <b>2001</b> , 25, 467-71	5.5	88
548	Trans-ethnic and Ancestry-Specific Blood-Cell Genetics in 746,667 Individuals from 5 Global Populations. <i>Cell</i> , <b>2020</b> , 182, 1198-1213.e14	56.2	88
547	A widespread amino acid polymorphism at codon 905 of the glycogen-associated regulatory subunit of protein phosphatase-1 is associated with insulin resistance and hypersecretion of insulin. <i>Human Molecular Genetics</i> , <b>1995</b> , 4, 1313-20	5.6	87
546	Sequencing and de novo assembly of 150 genomes from Denmark as a population reference. <i>Nature</i> , <b>2017</b> , 548, 87-91	50.4	87
545	Lack of association of fatness-related FTO gene variants with energy expenditure or physical activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 2904-8	5.6	86
544	Regulation and function of FTO mRNA expression in human skeletal muscle and subcutaneous adipose tissue. <i>Diabetes</i> , <b>2009</b> , 58, 2402-8	0.9	85
543	Metformin improves peripheral but not hepatic insulin action in obese patients with type II diabetes. <i>European Journal of Endocrinology</i> , <b>1989</b> , 120, 257-65	6.5	85

542	GLP-1 Receptor Agonist Treatment Increases Bone Formation and Prevents Bone Loss in Weight-Reduced Obese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 2909-17	5.6	84
541	Aberrant gut microbiota alters host metabolome and impacts renal failure in humans and rodents. <i>Gut</i> , <b>2020</b> , 69, 2131-2142	19.2	81
540	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , <b>2014</b> , 112, 317-38	3.7	81
539	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. <i>Nature Communications</i> , <b>2017</b> , 8, 16015	17.4	80
538	The K121Q variant of the human PC-1 gene is not associated with insulin resistance or type 2 diabetes among Danish Caucasians. <i>Diabetes</i> , <b>2000</b> , 49, 1608-11	0.9	80
537	Large-scale association analyses identify host factors influencing human gut microbiome composition. <i>Nature Genetics</i> , <b>2021</b> , 53, 156-165	36.3	80
536	Genetic evidence of a causal effect of insulin resistance on branched-chain amino acid levels. <i>Diabetologia</i> , <b>2017</b> , 60, 873-878	10.3	79
535	Metformin-induced changes of the gut microbiota in healthy young men: results of a non-blinded, one-armed intervention study. <i>Diabetologia</i> , <b>2019</b> , 62, 1024-1035	10.3	79
534	The gut microbiome in cardio-metabolic health. <i>Genome Medicine</i> , <b>2015</b> , 7, 33	14.4	78
533	Whole-Exome Sequencing of 2,000 Danish Individuals and the Role of Rare Coding Variants in Type 2 Diabetes. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 479	11	78
532	Role of fasting duration and weekday in incretin and glucose regulation. <i>Endocrine Connections</i> , <b>2021</b> , 10, X2-X3	3.5	78
531	A genomic approach to therapeutic target validation identifies a glucose-lowering GLP1R variant protective for coronary heart disease. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 341ra76	17.5	77
530	The BIGTT test: a novel test for simultaneous measurement of pancreatic beta-cell function, insulin sensitivity, and glucose tolerance. <i>Diabetes Care</i> , <b>2007</b> , 30, 257-62	14.6	77
529	Intensive integrated therapy of type 2 diabetes: implications for long-term prognosis. <i>Diabetes</i> , <b>2004</b> , 53 Suppl 3, S39-47	0.9	77
528	Insulin receptor binding and insulin action in human fat cells: effects of obesity and fasting. <i>Metabolism: Clinical and Experimental</i> , <b>1982</b> , 31, 884-95	12.7	77
527	Identification and functional characterization of G6PC2 coding variants influencing glycemic traits define an effector transcript at the G6PC2-ABCB11 locus. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1004876	6	76
526	Cohort Profile: the Health2006 cohort, research centre for prevention and health. <i>International Journal of Epidemiology</i> , <b>2014</b> , 43, 568-75	7.8	76
525	Variants at DGKB/TMEM195, ADRA2A, GLIS3 and C2CD4B loci are associated with reduced glucose-stimulated beta cell function in middle-aged Danish people. <i>Diabetologia</i> , <b>2010</b> , 53, 1647-55	10.3	76

524	Endocannabinoid receptor 1 gene variations increase risk for obesity and modulate body mass index in European populations. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 1916-21	5.6	76
523	Habitual sleep duration is associated with BMI and macronutrient intake and may be modified by CLOCK genetic variants. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 101, 135-43	7	75
522	Impact of metformin versus repaglinide on non-glycaemic cardiovascular risk markers related to inflammation and endothelial dysfunction in non-obese patients with type 2 diabetes. <i>European Journal of Endocrinology</i> , <b>2008</b> , 158, 631-41	6.5	75
521	A reference map of potential determinants for the human serum metabolome. <i>Nature</i> , <b>2020</b> , 588, 135-140	30.4	75
520	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. <i>Nature Communications</i> , <b>2018</b> , 9, 4455	17.4	75
519	Mutations in HNF1A result in marked alterations of plasma glycan profile. <i>Diabetes</i> , <b>2013</b> , 62, 1329-37	0.9	74
518	A single nucleotide polymorphism within the acetyl-coenzyme A carboxylase beta gene is associated with proteinuria in patients with type 2 diabetes. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000842	6	73
517	Gut microbiota composition in patients with newly diagnosed bipolar disorder and their unaffected first-degree relatives. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 75, 112-118	16.6	73
516	Genetic architecture of vitamin B12 and folate levels uncovered applying deeply sequenced large datasets. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003530	6	72
515	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. <i>Diabetes</i> , <b>2018</b> , 67, 1414-1427	0.9	71
514	Single-nucleotide polymorphism rs7754840 of CDKAL1 is associated with impaired insulin secretion in nondiabetic offspring of type 2 diabetic subjects and in a large sample of men with normal glucose tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 1924-30	5.6	71
513	FTO genotype and weight loss: systematic review and meta-analysis of 9563 individual participant data from eight randomised controlled trials. <i>BMJ, The</i> , <b>2016</b> , 354, i4707	5.9	70
512	A Genome-Wide Association Study of IVGTT-Based Measures of First-Phase Insulin Secretion Refines the Underlying Physiology of Type 2 Diabetes Variants. <i>Diabetes</i> , <b>2017</b> , 66, 2296-2309	0.9	69
511	Variants near MC4R are associated with obesity and influence obesity-related quantitative traits in a population of middle-aged people: studies of 14,940 Danes. <i>Diabetes</i> , <b>2009</b> , 58, 757-64	0.9	69
510	Design of association studies with pooled or un-pooled next-generation sequencing data. <i>Genetic Epidemiology</i> , <b>2010</b> , 34, 479-91	2.6	69
509	Association of the calpain-10 gene with type 2 diabetes in Europeans: results of pooled and meta-analyses. <i>Molecular Genetics and Metabolism</i> , <b>2006</b> , 89, 174-84	3.7	69
508	Genetic evidence that HNF-1 $\beta$ -dependent transcriptional control of HNF-4 $\beta$ is essential for human pancreatic $\beta$ -cell function. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 827-833	15.9	69
507	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. <i>Nature Communications</i> , <b>2018</b> , 9, 4630	17.4	69

506	Genome wide association study identifies KCNMA1 contributing to human obesity. <i>BMC Medical Genomics</i> , <b>2011</b> , 4, 51	3.7	68
505	Low birthweight and premature birth are both associated with type 2 diabetes in a random sample of middle-aged Danes. <i>Diabetologia</i> , <b>2010</b> , 53, 2526-30	10.3	68
504	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. <i>Cell Metabolism</i> , <b>2018</b> , 28, 159-174.e11	24.6	67
503	Insulin resistance and impaired pancreatic $\beta$ cell function in adult offspring of women with diabetes in pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 3793-801	5.6	66
502	Amino acid variants in the human leptin receptor: lack of association to juvenile onset obesity. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 233, 248-52	3.4	66
501	Variants within the calpain-10 gene on chromosome 2q37 (NIDDM1) and relationships to type 2 diabetes, insulin resistance, and impaired acute insulin secretion among Scandinavian Caucasians. <i>Diabetes</i> , <b>2002</b> , 51, 3561-7	0.9	65
500	Diurnal variation in insulin binding to human monocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1978</b> , 47, 385-90	5.6	65
499	Intake of macro- and micronutrients in Danish vegans. <i>Nutrition Journal</i> , <b>2015</b> , 14, 115	4.3	64
498	The CTRB1/2 locus affects diabetes susceptibility and treatment via the incretin pathway. <i>Diabetes</i> , <b>2013</b> , 62, 3275-81	0.9	63
497	Further evidence that mutations in INS can be a rare cause of Maturity-Onset Diabetes of the Young (MODY). <i>BMC Medical Genetics</i> , <b>2010</b> , 11, 42	2.1	62
496	The -238 and -308 G-->A polymorphisms of the tumor necrosis factor alpha gene promoter are not associated with features of the insulin resistance syndrome or altered birth weight in Danish Caucasians. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 1731-4	5.6	62
495	Effect of Antibiotics on Gut Microbiota, Gut Hormones and Glucose Metabolism. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142352	3.7	61
494	Uncovering the genetic history of the present-day Greenlandic population. <i>American Journal of Human Genetics</i> , <b>2015</b> , 96, 54-69	11	61
493	Impact of two common polymorphisms in the PPARgamma gene on glucose tolerance and plasma insulin profiles in monozygotic and dizygotic twins: thrifty genotype, thrifty phenotype, or both?. <i>Diabetes</i> , <b>2003</b> , 52, 194-8	0.9	61
492	Intensified multifactorial intervention and cardiovascular outcome in type 2 diabetes: the Steno-2 study. <i>Metabolism: Clinical and Experimental</i> , <b>2003</b> , 52, 19-23	12.7	60
491	Genetic variants associated with glycine metabolism and their role in insulin sensitivity and type 2 diabetes. <i>Diabetes</i> , <b>2013</b> , 62, 2141-50	0.9	59
490	Melanocortin 4 receptor mutations in obese Czech children: studies of prevalence, phenotype development, weight reduction response, and functional analysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 3689-96	5.6	59
489	Increased insulin binding to adipocytes and monocytes and increased insulin sensitivity of glucose transport and metabolism in adipocytes from non-insulin-dependent diabetics after a low-fat/high-starch/high-fiber diet. <i>Metabolism: Clinical and Experimental</i> , <b>1983</b> , 32, 1067-75	12.7	59

488	First Genome-Wide Association Study of Latent Autoimmune Diabetes in Adults Reveals Novel Insights Linking Immune and Metabolic Diabetes. <i>Diabetes Care</i> , <b>2018</b> , 41, 2396-2403	14.6	57
487	Glucose-lowering effects and low risk of hypoglycemia in patients with maturity-onset diabetes of the young when treated with a GLP-1 receptor agonist: a double-blind, randomized, crossover trial. <i>Diabetes Care</i> , <b>2014</b> , 37, 1797-805	14.6	56
486	Type 2 diabetes risk alleles near ADCY5, CDKAL1 and HHEX-IDE are associated with reduced birthweight. <i>Diabetologia</i> , <b>2010</b> , 53, 1908-16	10.3	56
485	Variation in the interleukin-6 receptor gene associates with type 2 diabetes in Danish whites. <i>Diabetes</i> , <b>2004</b> , 53, 3342-5	0.9	56
484	FTO gene associated fatness in relation to body fat distribution and metabolic traits throughout a broad range of fatness. <i>PLoS ONE</i> , <b>2008</b> , 3, e2958	3.7	56
483	A functional amino acid substitution in the glucose-dependent insulinotropic polypeptide receptor (GIPR) gene is associated with lower bone mineral density and increased fracture risk. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E729-33	5.6	55
482	Impact on weight dynamics and general growth of the common FTO rs9939609: a longitudinal Danish cohort study. <i>International Journal of Obesity</i> , <b>2008</b> , 32, 1388-94	5.5	55
481	A genome-wide scan in families with maturity-onset diabetes of the young: evidence for further genetic heterogeneity. <i>Diabetes</i> , <b>2003</b> , 52, 872-81	0.9	55
480	Leptin and bone mineral density: a cross-sectional study in obese and nonobese men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 5795-800	5.6	55
479	Prednisone increases the number of insulin receptors on monocytes from normal subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1980</b> , 50, 1-4	5.6	55
478	Polymorphisms in the 3'UTR in the neurocalcin delta gene affect mRNA stability, and confer susceptibility to diabetic nephropathy. <i>Human Genetics</i> , <b>2007</b> , 122, 397-407	6.3	54
477	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , <b>2019</b> , 104, 112-138	11	54
476	Genetics of type 2 diabetes mellitus: status and perspectives. <i>Diabetes, Obesity and Metabolism</i> , <b>2005</b> , 7, 122-35	6.7	53
475	Polymorphisms of serotonin receptor 2A and 2C genes and COMT in relation to obesity and type 2 diabetes. <i>PLoS ONE</i> , <b>2009</b> , 4, e6696	3.7	52
474	Association between neuromedin U gene variants and overweight and obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 5057-63	5.6	52
473	Intensified multifactorial intervention in type 2 diabetics with microalbuminuria leads to long-term renal benefits. <i>Kidney International</i> , <b>2017</b> , 91, 982-988	9.9	51
472	Treatment with a GLP-1 receptor agonist diminishes the decrease in free plasma leptin during maintenance of weight loss. <i>International Journal of Obesity</i> , <b>2015</b> , 39, 834-41	5.5	51
471	Prenatal exposure to systemic antibacterials and overweight and obesity in Danish schoolchildren: a prevalence study. <i>International Journal of Obesity</i> , <b>2015</b> , 39, 1450-5	5.5	51

470	Combined analyses of 20 common obesity susceptibility variants. <i>Diabetes</i> , <b>2010</b> , 59, 1667-73	0.9	51
469	Combined analysis of 19 common validated type 2 diabetes susceptibility gene variants shows moderate discriminative value and no evidence of gene-gene interaction. <i>Diabetologia</i> , <b>2009</b> , 52, 1308-14	10.3	51
468	Genetic determinants of both ethanol and acetaldehyde metabolism influence alcohol hypersensitivity and drinking behaviour among Scandinavians. <i>Clinical and Experimental Allergy</i> , <b>2010</b> , 40, 123-30	4.1	51
467	Impact of TCF7L2 rs7903146 on insulin secretion and action in young and elderly Danish twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 4013-9	5.6	51
466	Studies of the associations between functional beta2-adrenergic receptor variants and obesity, hypertension and type 2 diabetes in 7,808 white subjects. <i>Diabetologia</i> , <b>2007</b> , 50, 563-8	10.3	51
465	Studies of the common DIO2 Thr92Ala polymorphism and metabolic phenotypes in 7342 Danish white subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 363-6	5.6	51
464	Search for variants of the gene-promoter and the potential phosphotyrosine encoding sequence of the insulin receptor substrate-2 gene: evaluation of their relation with alterations in insulin secretion and insulin sensitivity. <i>Diabetologia</i> , <b>1999</b> , 42, 1244-9	10.3	51
463	Selection in Europeans on Fatty Acid Desaturases Associated with Dietary Changes. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 1307-1318	8.3	50
462	Cohort description: The Danish study of Functional Disorders. <i>Clinical Epidemiology</i> , <b>2017</b> , 9, 127-139	5.9	50
461	Impact of a vegan diet on the human salivary microbiota. <i>Scientific Reports</i> , <b>2018</b> , 8, 5847	4.9	50
460	Re-analysis of public genetic data reveals a rare X-chromosomal variant associated with type 2 diabetes. <i>Nature Communications</i> , <b>2018</b> , 9, 321	17.4	50
459	KCNQ1 long QT syndrome patients have hyperinsulinemia and symptomatic hypoglycemia. <i>Diabetes</i> , <b>2014</b> , 63, 1315-25	0.9	50
458	Genetic polymorphisms and weight loss in obesity: a randomised trial of hypo-energetic high-versus low-fat diets. <i>PLOS Clinical Trials</i> , <b>2006</b> , 1, e12		50
457	Insulin receptor function and glycogen synthase activity in skeletal muscle biopsies from patients with insulin-dependent diabetes mellitus: effects of physical training. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1989</b> , 69, 158-64	5.6	49
456	TCF7L2 rs7903146-macronutrient interaction in obese individuals: Responses to a 10-wk randomized hypoenergetic diet. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 91, 472-9	7	48
455	Analysis of separate and combined effects of common variation in KCNJ11 and PPARG on risk of type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 3629-37	5.6	48
454	A -30G>A polymorphism of the beta-cell-specific glucokinase promoter associates with hyperglycemia in the general population of whites. <i>Diabetes</i> , <b>2005</b> , 54, 3026-31	0.9	48
453	Causal relationship between obesity and serum testosterone status in men: A bi-directional mendelian randomization analysis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176277	3.7	47



452	Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies BCL2 and FAM19A2 as Novel Insulin Sensitivity Loci. <i>Diabetes</i> , <b>2016</b> , 65, 3200-11	0.9	47
451	Reduced risk of heart failure with intensified multifactorial intervention in individuals with type 2 diabetes and microalbuminuria: 21 years of follow-up in the randomised Steno-2 study. <i>Diabetologia</i> , <b>2018</b> , 61, 1724-1733	10.3	47
450	Joint analysis of individual participants' data from 17 studies on the association of the IL6 variant -174G>C with circulating glucose levels, interleukin-6 levels, and body mass index. <i>Annals of Medicine</i> , <b>2009</b> , 41, 128-38	1.5	47
449	A candidate type 2 diabetes polymorphism near the HHEX locus affects acute glucose-stimulated insulin release in European populations: results from the EUGENE2 study. <i>Diabetes</i> , <b>2008</b> , 57, 514-7	0.9	47
448	Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. <i>American Journal of Human Genetics</i> , <b>2016</b> , 99, 8-21	11	47
447	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , <b>2016</b> , 7, 13357	17.4	46
446	Type 2 diabetes risk alleles near BCAR1 and in ANK1 associate with decreased $\beta$ -cell function whereas risk alleles near ANKRD55 and GRB14 associate with decreased insulin sensitivity in the Danish Inter99 cohort. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, E801-6	5.6	46
445	Studies of metabolic phenotypic correlates of 15 obesity associated gene variants. <i>PLoS ONE</i> , <b>2011</b> , 6, e23531	3.7	46
444	Obesity, unfavourable lifestyle and genetic risk of type 2 diabetes: a case-cohort study. <i>Diabetologia</i> , <b>2020</b> , 63, 1324-1332	10.3	46
443	Rare genetic variants previously associated with congenital forms of long QT syndrome have little or no effect on the QT interval. <i>European Heart Journal</i> , <b>2015</b> , 36, 2523-9	9.5	45
442	Identification of the UBP1 locus as a critical blood pressure determinant using a combination of mouse and human genetics. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000591	6	45
441	Identification of KCNJ15 as a susceptibility gene in Asian patients with type 2 diabetes mellitus. <i>American Journal of Human Genetics</i> , <b>2010</b> , 86, 54-64	11	45
440	The functional Pro129Thr variant of the FAAH gene is not associated with various fat accumulation phenotypes in a population-based cohort of 5,801 whites. <i>Journal of Molecular Medicine</i> , <b>2007</b> , 85, 445-9	5.5	45
439	Studies of the variability of the genes encoding the insulin-like growth factor I receptor and its ligand in relation to type 2 diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 1606-10	5.6	45
438	Genetic investigations of sudden unexpected deaths in infancy using next-generation sequencing of 100 genes associated with cardiac diseases. <i>European Journal of Human Genetics</i> , <b>2016</b> , 24, 817-22	5.3	44
437	Mutations in the VNTR of the carboxyl-ester lipase gene (CEL) are a rare cause of monogenic diabetes. <i>Human Genetics</i> , <b>2010</b> , 127, 55-64	6.3	44
436	Expression of protein-tyrosine phosphatases in the major insulin target tissues. <i>FEBS Letters</i> , <b>1997</b> , 415, 243-8	3.8	44
435	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , <b>2021</b> , 53, 840-860	36.3	44



434	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , <b>2019</b> , 51, 452-469	36.3	44
433	A computational framework to integrate high-throughput QomicsQ datasets for the identification of potential mechanistic links. <i>Nature Protocols</i> , <b>2018</b> , 13, 2781-2800	18.8	44
432	Chromosomal mapping and mutational analysis of the coding region of the glycogen synthase kinase-3alpha and beta isoforms in patients with NIDDM. <i>Diabetologia</i> , <b>1997</b> , 40, 940-6	10.3	43
431	Mutation analysis of the preproghrelin gene: no association with obesity and type 2 diabetes. <i>Clinical Biochemistry</i> , <b>2005</b> , 38, 420-4	3.5	43
430	Variant near ADAMTS9 known to associate with type 2 diabetes is related to insulin resistance in offspring of type 2 diabetes patients--EUGENE2 study. <i>PLoS ONE</i> , <b>2009</b> , 4, e7236	3.7	43
429	Evaluation of a target region capture sequencing platform using monogenic diabetes as a study-model. <i>BMC Genetics</i> , <b>2014</b> , 15, 13	2.6	42
428	Obesity-related polymorphisms and their associations with the ability to regulate fat oxidation in obese Europeans: the NUGENOB study. <i>Obesity</i> , <b>2010</b> , 18, 1369-77	8	42
427	Progression to impaired glucose regulation and diabetes in the population-based Inter99 study. <i>Diabetes Care</i> , <b>2009</b> , 32, 606-11	14.6	42
426	AHSG tag single nucleotide polymorphisms associate with type 2 diabetes and dyslipidemia: studies of metabolic traits in 7,683 white Danish subjects. <i>Diabetes</i> , <b>2008</b> , 57, 1427-32	0.9	42
425	Human biallelic MFN2 mutations induce mitochondrial dysfunction, upper body adipose hyperplasia, and suppression of leptin expression. <i>ELife</i> , <b>2017</b> , 6,	8.9	42
424	Utility of Plasma Concentration of Trimethylamine N-Oxide in Predicting Cardiovascular and Renal Complications in Individuals With Type 1 Diabetes. <i>Diabetes Care</i> , <b>2019</b> , 42, 1512-1520	14.6	41
423	Evidence of a liver-alpha cell axis in humans: hepatic insulin resistance attenuates relationship between fasting plasma glucagon and glucagonotropic amino acids. <i>Diabetologia</i> , <b>2018</b> , 61, 671-680	10.3	41
422	Environmental spread of microbes impacts the development of metabolic phenotypes in mice transplanted with microbial communities from humans. <i>ISME Journal</i> , <b>2017</b> , 11, 676-690	11.9	41
421	Association of polymorphisms of the CHI3L1 gene with asthma and atopy: a populations-based study of 6514 Danish adults. <i>PLoS ONE</i> , <b>2009</b> , 4, e6106	3.7	41
420	Non-replication of genome-wide based associations between common variants in INSIG2 and PFKP and obesity in studies of 18,014 Danes. <i>PLoS ONE</i> , <b>2008</b> , 3, e2872	3.7	41
419	Evidence that the mitochondrial leucyl tRNA synthetase (LARS2) gene represents a novel type 2 diabetes susceptibility gene. <i>Diabetes</i> , <b>2005</b> , 54, 1892-5	0.9	41
418	Studies of the association of Arg72Pro of tumor suppressor protein p53 with type 2 diabetes in a combined analysis of 55,521 Europeans. <i>PLoS ONE</i> , <b>2011</b> , 6, e15813	3.7	41
417	The type 2 diabetes associated minor allele of rs2237895 KCNQ1 associates with reduced insulin release following an oral glucose load. <i>PLoS ONE</i> , <b>2009</b> , 4, e5872	3.7	40

416	Impact of polymorphisms in WFS1 on prediabetic phenotypes in a population-based sample of middle-aged people with normal and abnormal glucose regulation. <i>Diabetologia</i> , <b>2008</b> , 51, 1646-52	10.3	40
415	Mutational analysis of the UCP2 core promoter and relationships of variants with obesity. <i>Obesity</i> , <b>2003</b> , 11, 1420-7		40
414	Fatness-associated FTO gene variant increases mortality independent of fatness--in cohorts of Danish men. <i>PLoS ONE</i> , <b>2009</b> , 4, e4428	3.7	40
413	Dyslipidemia and reference values for fasting plasma lipid concentrations in Danish/North-European White children and adolescents. <i>BMC Pediatrics</i> , <b>2017</b> , 17, 116	2.6	39
412	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: rationale and design of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , <b>2014</b> , 57, 1132-42	10.3	39
411	A glycogene mutation map for discovery of diseases of glycosylation. <i>Glycobiology</i> , <b>2015</b> , 25, 211-24	5.8	38
410	Transcriptional interactions suggest niche segregation among microorganisms in the human gut. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16152	26.6	38
409	PGC-1alpha Gly482Ser polymorphism associates with hypertension among Danish whites. <i>Hypertension</i> , <b>2005</b> , 45, 565-70	8.5	38
408	Genotype-by-nutrient interactions assessed in European obese women. A case-only study. <i>European Journal of Nutrition</i> , <b>2006</b> , 45, 454-62	5.2	38
407	Characterization of the Met326Ile variant of phosphatidylinositol 3-kinase p85alpha. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 2124-8	11.5	38
406	Sequence of the human glycogen-associated regulatory subunit of type 1 protein phosphatase and analysis of its coding region and mRNA level in muscle from patients with NIDDM. <i>Diabetes</i> , <b>1994</b> , 43, 1234-41	0.9	38
405	MTNR1B G24E variant associates With BMI and fasting plasma glucose in the general population in studies of 22,142 Europeans. <i>Diabetes</i> , <b>2010</b> , 59, 1539-48	0.9	37
404	Variation in the gene encoding Kröppel-like factor 7 influences body fat: studies of 14 818 Danes. <i>European Journal of Endocrinology</i> , <b>2009</b> , 160, 603-9	6.5	37
403	Decreased insulin binding to monocytes from normal pregnant women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1979</b> , 49, 810-4	5.6	37
402	Genetic evidence that HNF-1alpha-dependent transcriptional control of HNF-4alpha is essential for human pancreatic beta cell function. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 827-33	15.9	37
401	Cardiovascular and All-Cause Mortality Risk Associated With Urinary Excretion of 8-oxoGuo, a Biomarker for RNA Oxidation, in Patients With Type 2 Diabetes: A Prospective Cohort Study. <i>Diabetes Care</i> , <b>2017</b> , 40, 1771-1778	14.6	36
400	Gene-Environment Interactions of Circadian-Related Genes for Cardiometabolic Traits. <i>Diabetes Care</i> , <b>2015</b> , 38, 1456-66	14.6	36
399	Genetic risk score of 46 type 2 diabetes risk variants associates with changes in plasma glucose and estimates of pancreatic ß-cell function over 5 years of follow-up. <i>Diabetes</i> , <b>2013</b> , 62, 3610-7	0.9	36

398	Glucokinase diabetes in 103 families from a country-based study in the Czech Republic: geographically restricted distribution of two prevalent GCK mutations. <i>Pediatric Diabetes</i> , <b>2010</b> , 11, 529-35	3.6	36
397	The FOXO3A rs2802292 G-allele associates with improved peripheral and hepatic insulin sensitivity and increased skeletal muscle-FOXO3A mRNA expression in twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E119-24	5.6	36
396	Association of variants in the sterol regulatory element-binding factor 1 (SREBF1) gene with type 2 diabetes, glycemia, and insulin resistance: a study of 15,734 Danish subjects. <i>Diabetes</i> , <b>2008</b> , 57, 1136-42	0.9	36
395	Relationships between the functional PPARalpha Leu162Val polymorphism and obesity, type 2 diabetes, dyslipidaemia, and related quantitative traits in studies of 5799 middle-aged white people. <i>Molecular Genetics and Metabolism</i> , <b>2007</b> , 90, 205-9	3.7	36
394	A prevalent amino acid polymorphism at codon 98 (Ala98Val) of the hepatocyte nuclear factor-1alpha is associated with maturity-onset diabetes of the young and younger age at onset of type 2 diabetes in Asian Indians. <i>Diabetes Care</i> , <b>2005</b> , 28, 2430-5	14.6	36
393	Studies of the Variability of the Genes Encoding the Insulin-Like Growth Factor I Receptor and Its Ligand in Relation to Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 1606-1610	5.6	36
392	Implications of central obesity-related variants in LYPLAL1, NRXN3, MSRA, and TFAP2B on quantitative metabolic traits in adult Danes. <i>PLoS ONE</i> , <b>2011</b> , 6, e20640	3.7	36
391	Glucose-Dependent Insulinotropic Polypeptide Is Associated With Lower Low-Density Lipoprotein But Unhealthy Fat Distribution, Independent of Insulin: The ADDITION-PRO Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 485-93	5.6	34
390	Incretin effect and glucagon responses to oral and intravenous glucose in patients with maturity-onset diabetes of the young--type 2 and type 3. <i>Diabetes</i> , <b>2014</b> , 63, 2838-44	0.9	34
389	Type 2 diabetes risk allele near CENTD2 is associated with decreased glucose-stimulated insulin release. <i>Diabetologia</i> , <b>2011</b> , 54, 1052-6	10.3	34
388	Validation of a multimarker model for assessing risk of type 2 diabetes from a five-year prospective study of 6784 Danish people (Inter99). <i>Journal of Diabetes Science and Technology</i> , <b>2009</b> , 3, 748-55	4.1	34
387	Meta-analysis of rare and common exome chip variants identifies S1PR4 and other loci influencing blood cell traits. <i>Nature Genetics</i> , <b>2016</b> , 48, 867-76	36.3	34
386	New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		33
385	Missense mutations in the human insulin promoter factor-1 gene and their relation to maturity-onset diabetes of the young and late-onset type 2 diabetes mellitus in caucasians. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 1323-6	5.6	33
384	The effects of metformin on adipocyte insulin action and metabolic control in obese subjects with type 2 diabetes. <i>Diabetic Medicine</i> , <b>1989</b> , 6, 249-56	3.5	33
383	What is the contribution of two genetic variants regulating VEGF levels to type 2 diabetes risk and to microvascular complications?. <i>PLoS ONE</i> , <b>2013</b> , 8, e55921	3.7	32
382	Short- and long-term metabolic effects of recombinant human IGF-I treatment in patients with severe insulin resistance and diabetes mellitus. <i>European Journal of Endocrinology</i> , <b>1997</b> , 136, 475-82	6.5	32
381	Glucose tolerance status and severity of coronary artery disease in men referred to coronary arteriography. <i>American Heart Journal</i> , <b>1997</b> , 133, 622-9	4.9	32

380	Genotype-phenotype associations in obesity dependent on definition of the obesity phenotype. <i>Obesity Facts</i> , <b>2008</b> , 1, 138-45	5.1	32
379	The functional Thr130Ile and Val255Met polymorphisms of the hepatocyte nuclear factor-4alpha (HNF4A): gene associations with type 2 diabetes or altered beta-cell function among Danes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 3054-9	5.6	32
378	Interactions between genetic variants associated with adiposity traits and soft drinks in relation to longitudinal changes in body weight and waist circumference. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 816-26	7	31
377	Association studies of novel obesity-related gene variants with quantitative metabolic phenotypes in a population-based sample of 6,039 Danish individuals. <i>Diabetologia</i> , <b>2012</b> , 55, 105-13	10.3	31
376	The frequent UCP2 -866G>A polymorphism protects against insulin resistance and is associated with obesity: a study of obesity and related metabolic traits among 17 636 Danes. <i>International Journal of Obesity</i> , <b>2013</b> , 37, 175-81	5.5	31
375	Identification of novel variants in the hepatocyte nuclear factor-1alpha gene in South Indian patients with maturity onset diabetes of young. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 1959-65	5.6	31
374	Sequence variants in the human cocaine and amphetamine-regulated transcript (CART) gene in subjects with early onset obesity. <i>Obesity</i> , <b>1999</b> , 7, 532-6		31
373	and Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 981-994	12.7	30
372	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 1920-1932	15.1	30
371	A trans-ancestral meta-analysis of genome-wide association studies reveals loci associated with childhood obesity. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 3327-3338	5.6	30
370	Common variation in LMNA increases susceptibility to type 2 diabetes and associates with elevated fasting glycemia and estimates of body fat and height in the general population: studies of 7,495 Danish whites. <i>Diabetes</i> , <b>2007</b> , 56, 694-8	0.9	30
369	Insulin resistance and maximal oxygen uptake. <i>Clinical Cardiology</i> , <b>2003</b> , 26, 515-20	3.3	30
368	Expression profiling of insulin action in human myotubes: induction of inflammatory and pro-angiogenic pathways in relationship with glycogen synthesis and type 2 diabetes. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 323, 685-95	3.4	30
367	A statistical approach based on substitution of macronutrients provides additional information to models analyzing single dietary factors in relation to type 2 diabetes in danish adults: the Inter99 study. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 1177-82	4.1	30
366	Mutation analysis of the MCHR1 gene in human obesity. <i>European Journal of Endocrinology</i> , <b>2005</b> , 152, 851-62	6.5	30
365	Diabetic microvascular complications are not associated with two polymorphisms in the GLUT-1 and PC-1 genes regulating glucose metabolism in Caucasian type 1 diabetic patients. <i>Nephrology Dialysis Transplantation</i> , <b>2001</b> , 16, 1653-6	4.3	30
364	A prevalent polymorphism in the promoter of the UCP3 gene and its relationship to body mass index and long term body weight change in the Danish population. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 1398-402	5.6	30
363	Leptin, adiponectin, and their ratio as markers of insulin resistance and cardiometabolic risk in childhood obesity. <i>Pediatric Diabetes</i> , <b>2020</b> , 21, 194-202	3.6	30

362	A Low-Frequency Inactivating Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. <i>Diabetes</i> , <b>2017</b> , 66, 2019-2032	0.9	29
361	The association of alcohol and alcohol metabolizing gene variants with diabetes and coronary heart disease risk factors in a white population. <i>PLoS ONE</i> , <b>2010</b> , 5, e11735	3.7	29
360	The T-allele of TCF7L2 rs7903146 associates with a reduced compensation of insulin secretion for insulin resistance induced by 9 days of bed rest. <i>Diabetes</i> , <b>2010</b> , 59, 836-43	0.9	29
359	Genetic variant in HK1 is associated with a proanemic state and A1C but not other glycemic control-related traits. <i>Diabetes</i> , <b>2009</b> , 58, 2687-97	0.9	29
358	Autosomal inheritance of diabetes in two families characterized by obesity and a novel H241Q mutation in NEUROD1. <i>Pediatric Diabetes</i> , <b>2008</b> , 9, 367-72	3.6	29
357	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. <i>Nature Communications</i> , <b>2020</b> , 11, 5881	17.4	29
356	DNA methylation and gene expression of HIF3A: cross-tissue validation and associations with BMI and insulin resistance. <i>Clinical Epigenetics</i> , <b>2016</b> , 8, 89	7.7	29
355	Estimating the causal effect of body mass index on hay fever, asthma and lung function using Mendelian randomization. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 73, 153-164	9.3	28
354	A variant in the G6PC2/ABCB11 locus is associated with increased fasting plasma glucose, increased basal hepatic glucose production and increased insulin release after oral and intravenous glucose loads. <i>Diabetologia</i> , <b>2009</b> , 52, 2122-9	10.3	28
353	A possible association between a dysfunctional skin barrier (filaggrin null-mutation status) and diabetes: a cross-sectional study. <i>BMJ Open</i> , <b>2011</b> , 1, e000062	3	28
352	TFAP2B influences the effect of dietary fat on weight loss under energy restriction. <i>PLoS ONE</i> , <b>2012</b> , 7, e43212	3.7	28
351	Metformin versus placebo in combination with insulin analogues in patients with type 2 diabetes mellitus-the randomised, blinded Copenhagen Insulin and Metformin Therapy (CIMT) trial. <i>BMJ Open</i> , <b>2016</b> , 6, e008376	3	28
350	Digital questionnaire platform in the Danish Blood Donor Study. <i>Computer Methods and Programs in Biomedicine</i> , <b>2016</b> , 135, 101-4	6.9	28
349	Influences of the common FTO rs9939609 variant on inflammatory markers throughout a broad range of body mass index. <i>PLoS ONE</i> , <b>2011</b> , 6, e15958	3.7	27
348	Common variants near MC4R in relation to body fat, body fat distribution, metabolic traits and energy expenditure. <i>International Journal of Obesity</i> , <b>2010</b> , 34, 182-9	5.5	27
347	Combining insulin with metformin or an insulin secretagogue in non-obese patients with type 2 diabetes: 12 month, randomised, double blind trial. <i>BMJ, The</i> , <b>2009</b> , 339, b4324	5.9	27
346	The -250G>A promoter variant in hepatic lipase associates with elevated fasting serum high-density lipoprotein cholesterol modulated by interaction with physical activity in a study of 16,156 Danish subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 2294-9	5.6	27
345	Variants in the 5Qregion of the neuropeptide Y receptor Y2 gene (NPY2R) are associated with obesity in 5,971 white subjects. <i>Diabetologia</i> , <b>2006</b> , 49, 2653-8	10.3	27



344	Evidence of an association between the Arg72 allele of the peptide YY and increased risk of type 2 diabetes. <i>Diabetes</i> , <b>2005</b> , 54, 2261-5	0.9	27
343	Monitoring kidney function in type 2 diabetic patients with incipient and overt diabetic nephropathy. <i>Diabetes Care</i> , <b>2006</b> , 29, 1024-30	14.6	27
342	The Role of the Gut Microbiota in Childhood Obesity. <i>Childhood Obesity</i> , <b>2016</b> , 12, 292-9	2.5	27
341	Extracellular Vesicle Encapsulated MicroRNAs in Patients with Type 2 Diabetes Are Affected by Metformin Treatment. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	26
340	Diabetic cats have decreased gut microbial diversity and a lack of butyrate producing bacteria. <i>Scientific Reports</i> , <b>2019</b> , 9, 4822	4.9	26
339	Reference values for serum total adiponectin in healthy non-obese children and adolescents. <i>Clinica Chimica Acta</i> , <b>2015</b> , 450, 11-4	6.2	26
338	The diabetogenic VPS13C/C2CD4A/C2CD4B rs7172432 variant impairs glucose-stimulated insulin response in 5,722 non-diabetic Danish individuals. <i>Diabetologia</i> , <b>2011</b> , 54, 789-94	10.3	26
337	Glucose tolerance, insulin sensitivity and insulin release in European non-diabetic carriers of a polymorphism upstream of CDKN2A and CDKN2B. <i>Diabetologia</i> , <b>2011</b> , 54, 795-802	10.3	26
336	Increased recovery rates of phosphocreatine and inorganic phosphate after isometric contraction in oxidative muscle fibers and elevated hepatic insulin resistance in homozygous carriers of the A-allele of FTO rs9939609. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 596-602	5.6	26
335	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , <b>2020</b> , 52, 1314-1332	36.3	26
334	Obesity is associated with vitamin D deficiency in Danish children and adolescents. <i>Journal of Pediatric Endocrinology and Metabolism</i> , <b>2018</b> , 31, 53-61	1.6	26
333	Exome-chip meta-analysis identifies novel loci associated with cardiac conduction, including ADAMTS6. <i>Genome Biology</i> , <b>2018</b> , 19, 87	18.3	25
332	Interactions of Lipid Genetic Risk Scores With Estimates of Metabolic Health in a Danish Population. <i>Circulation: Cardiovascular Genetics</i> , <b>2015</b> , 8, 465-72		25
331	The PNPLA3 rs738409 G-allele associates with reduced fasting serum triglyceride and serum cholesterol in Danes with impaired glucose regulation. <i>PLoS ONE</i> , <b>2012</b> , 7, e40376	3.7	25
330	Predictors of future fasting and 2-h post-OGTT plasma glucose levels in middle-aged men and women-the Inter99 study. <i>Diabetic Medicine</i> , <b>2009</b> , 26, 377-83	3.5	25
329	Insulin receptors in the pregnant diabetic and her newborn. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1981</b> , 53, 1160-6	5.6	25
328	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008718	6	25
327	Remitted affective disorders and high familial risk of affective disorders associate with aberrant intestinal microbiota. <i>Acta Psychiatrica Scandinavica</i> , <b>2019</b> , 139, 174-184	6.5	25

326	Reassessment of the putative role of BLK-p.A71T loss-of-function mutation in MODY and type 2 diabetes. <i>Diabetologia</i> , <b>2013</b> , 56, 492-6	10.3	24
325	Investigating the causal effect of smoking on hay fever and asthma: a Mendelian randomization meta-analysis in the CARTA consortium. <i>Scientific Reports</i> , <b>2017</b> , 7, 2224	4.9	24
324	A role for coding functional variants in HNF4A in type 2 diabetes susceptibility. <i>Diabetologia</i> , <b>2011</b> , 54, 111-9	10.3	24
323	The Gly482Ser genotype at the PPARGC1A gene and elevated blood pressure: a meta-analysis involving 13,949 individuals. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 1352-8	3.7	24
322	Variation of the McKusick-Kaufman gene and studies of relationships with common forms of obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 225-30	5.6	24
321	Mutation analysis of NR0B2 among 1545 Danish men identifies a novel c.278G>A (p.G93D) variant with reduced functional activity. <i>Human Mutation</i> , <b>2004</b> , 24, 381-7	4.7	24
320	Fat mass measured by DXA varies with scan velocity. <i>Obesity</i> , <b>2002</b> , 10, 69-77		24
319	Genetic variation of the GLUT10 glucose transporter (SLC2A10) and relationships to type 2 diabetes and intermediary traits. <i>Diabetes</i> , <b>2003</b> , 52, 2445-8	0.9	24
318	Studies of genetic variability of the glucose transporter 2 promoter in patients with type 2 diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 2181-6	5.6	24
317	Impaired insulin-stimulated nonoxidative glucose metabolism in glucose-tolerant women with previous gestational diabetes. <i>American Journal of Obstetrics and Gynecology</i> , <b>1996</b> , 174, 722-9	6.4	24
316	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , <b>2021</b> ,	50.4	24
315	Subclinical Hypothyroidism in Danish Lean and Obese Children and Adolescents. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , <b>2017</b> , 9, 8-16	1.9	24
314	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. <i>Clinical Chemistry</i> , <b>2018</b> , 64, 183-191	5.5	24
313	Fasting serum levels of ferritin are associated with impaired pancreatic beta cell function and decreased insulin sensitivity: a population-based study. <i>Diabetologia</i> , <b>2015</b> , 58, 523-33	10.3	23
312	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. <i>BMJ, The</i> , <b>2019</b> , 366, l4292	5.9	23
311	MTHFR C677T genotype and cardiovascular risk in a general population without mandatory folic acid fortification. <i>European Journal of Nutrition</i> , <b>2014</b> , 53, 1549-59	5.2	23
310	High Prevalence of Diabetes-Predisposing Variants in MODY Genes Among Danish Women With Gestational Diabetes Mellitus. <i>Journal of the Endocrine Society</i> , <b>2017</b> , 1, 681-690	0.4	23
309	Multidisciplinary care of obese children and adolescents for one year reduces ectopic fat content in liver and skeletal muscle. <i>BMC Pediatrics</i> , <b>2015</b> , 15, 196	2.6	23



308	Variation and association to diabetes in 2000 full mtDNA sequences mined from an exome study in a Danish population. <i>European Journal of Human Genetics</i> , <b>2014</b> , 22, 1040-5	5.3	23
307	Fasting and oral glucose-stimulated levels of glucose-dependent insulinotropic polypeptide (GIP) and glucagon-like peptide-1 (GLP-1) are highly familial traits. <i>Diabetologia</i> , <b>2012</b> , 55, 1338-45	10.3	23
306	Allelic variants of melanocortin 3 receptor gene (MC3R) and weight loss in obesity: a randomised trial of hypo-energetic high- versus low-fat diets. <i>PLoS ONE</i> , <b>2011</b> , 6, e19934	3.7	23
305	Impact of metformin versus the prandial insulin secretagogue, repaglinide, on fasting and postprandial glucose and lipid responses in non-obese patients with type 2 diabetes. <i>European Journal of Endocrinology</i> , <b>2008</b> , 158, 35-46	6.5	23
304	Grey-box modelling of pharmacokinetic/pharmacodynamic systems. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2004</b> , 31, 401-17	2.7	23
303	The Ala/Val98 polymorphism of the hepatocyte nuclear factor-1alpha gene contributes to the interindividual variation in serum C-peptide response during an oral glucose tolerance test: evidence from studies of 231 glucose-tolerant first degree relatives of type 2 diabetic probands. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 83, 1501-8	5.6	23
302	Lipolysis drives expression of the constitutively active receptor GPR3 to induce adipose thermogenesis. <i>Cell</i> , <b>2021</b> , 184, 3502-3518.e33	56.2	23
301	Genetic determinants of serum vitamin B12 and their relation to body mass index. <i>European Journal of Epidemiology</i> , <b>2017</b> , 32, 125-134	12.1	22
300	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , <b>2017</b> , 4, 170179	8.2	22
299	Does DNA methylation of PPARGC1A influence insulin action in first degree relatives of patients with type 2 diabetes?. <i>PLoS ONE</i> , <b>2013</b> , 8, e58384	3.7	22
298	Carriers of the TCF7L2 rs7903146 TT genotype have elevated levels of plasma glucose, serum proinsulin and plasma gastric inhibitory polypeptide (GIP) during a meal test. <i>Diabetologia</i> , <b>2011</b> , 54, 103-10	10.3	22
297	Diabetes mellitus caused by insulin-receptor blockade and impaired sensitivity to insulin. <i>New England Journal of Medicine</i> , <b>1981</b> , 304, 1085-8	59.2	22
296	Expression of insulin receptor spliced variants and their functional correlates in muscle from patients with non-insulin-dependent diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1993</b> , 77, 1500-1505	5.6	22
295	Past and current body size affect validity of reported energy intake among middle-aged Danish men. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 2337-43	4.1	21
294	No interactions between previously associated 2-hour glucose gene variants and physical activity or BMI on 2-hour glucose levels. <i>Diabetes</i> , <b>2012</b> , 61, 1291-6	0.9	21
293	The PPAR gamma 2 Pro12Ala variant predicts ESRD and mortality in patients with type 1 diabetes and diabetic nephropathy. <i>Molecular Genetics and Metabolism</i> , <b>2008</b> , 94, 347-51	3.7	21
292	Patients With Long-QT Syndrome Caused by Impaired -Encoded K11.1 Potassium Channel Have Exaggerated Endocrine Pancreatic and Incretin Function Associated With Reactive Hypoglycemia. <i>Circulation</i> , <b>2017</b> , 135, 1705-1719	16.7	20
291	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. <i>Diabetes</i> , <b>2015</b> , 64, 2279-85	0.9	20

290	Incretin and pancreatic hormone secretion in Caucasian non-diabetic carriers of the TCF7L2 rs7903146 risk T allele. <i>Diabetes, Obesity and Metabolism</i> , <b>2013</b> , 15, 91-5	6.7	20
289	Numerous Brugada syndrome-associated genetic variants have no effect on J-point elevation, syncope susceptibility, malignant cardiac arrhythmia, and all-cause mortality. <i>Genetics in Medicine</i> , <b>2017</b> , 19, 521-528	8.1	20
288	The effect of PCSK1 variants on waist, waist-hip ratio and glucose metabolism is modified by sex and glucose tolerance status. <i>PLoS ONE</i> , <b>2011</b> , 6, e23907	3.7	20
287	Functional SOCS1 polymorphisms are associated with variation in obesity in whites. <i>Diabetes, Obesity and Metabolism</i> , <b>2009</b> , 11, 196-203	6.7	20
286	The KCNMB1 Glu65Lys polymorphism associates with reduced systolic and diastolic blood pressure in the Inter99 study of 5729 Danes. <i>Journal of Hypertension</i> , <b>2008</b> , 26, 2142-6	1.9	20
285	Variation in CAPN10 in relation to type 2 diabetes, obesity and quantitative metabolic traits: studies in 6018 whites. <i>Molecular Genetics and Metabolism</i> , <b>2006</b> , 89, 360-7	3.7	20
284	. <i>Pharmacogenetics and Genomics</i> , <b>2003</b> , 13, 417-423		20
283	Influence of short-term dexfenfluramine therapy on glucose and lipid metabolism in obese non-diabetic patients. <i>European Journal of Endocrinology</i> , <b>1993</b> , 128, 251-8	6.5	20
282	The impact of obesity on the pathogenesis of non-insulin-dependent diabetes mellitus: a review of current hypotheses. <i>Diabetes/metabolism Reviews</i> , <b>1989</b> , 5, 495-509		20
281	Do gene variants influencing adult adiposity affect birth weight? A population-based study of 24 loci in 4,744 Danish individuals. <i>PLoS ONE</i> , <b>2010</b> , 5, e14190	3.7	20
280	Bioinformatics-driven identification and examination of candidate genes for non-alcoholic fatty liver disease. <i>PLoS ONE</i> , <b>2011</b> , 6, e16542	3.7	19
279	Association of the beta3-adrenergic receptor Trp64Arg polymorphism with common metabolic traits: studies of 7605 middle-aged white people. <i>Molecular Genetics and Metabolism</i> , <b>2008</b> , 94, 90-7	3.7	19
278	EIF4A2 is a positional candidate gene at the 3q27 locus linked to type 2 diabetes in French families. <i>Diabetes</i> , <b>2006</b> , 55, 1171-6	0.9	19
277	Rosiglitazone treatment of patients with extreme insulin resistance and diabetes mellitus due to insulin receptor mutations has no effects on glucose and lipid metabolism. <i>Journal of Internal Medicine</i> , <b>2001</b> , 250, 406-14	10.8	19
276	The association between candidate migraine susceptibility loci and severe migraine phenotype in a clinical sample. <i>Cephalalgia</i> , <b>2016</b> , 36, 615-23	6.1	18
275	Dietary Assessment in the MetaCardis Study: Development and Relative Validity of an Online Food Frequency Questionnaire. <i>Journal of the Academy of Nutrition and Dietetics</i> , <b>2017</b> , 117, 878-888	3.9	18
274	The Early Growth Genetics (EGG) and EARly Genetics and Lifecourse Epidemiology (EAGLE) consortia: design, results and future prospects. <i>European Journal of Epidemiology</i> , <b>2019</b> , 34, 279-300	12.1	18
273	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , <b>2020</b> , 17, e1003149	11.6	18

272	Interaction between genetic predisposition to obesity and dietary calcium in relation to subsequent change in body weight and waist circumference. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 957-65	7	18
271	Heterogeneity in glucose response curves during an oral glucose tolerance test and associated cardiometabolic risk. <i>Endocrine</i> , <b>2017</b> , 55, 427-434	4	18
270	Solute carrier family 2 member 1 is involved in the development of nonalcoholic fatty liver disease. <i>Hepatology</i> , <b>2013</b> , 57, 505-14	11.2	18
269	A common haplotype in the G-protein-coupled receptor gene GPR74 is associated with leanness and increased lipolysis. <i>American Journal of Human Genetics</i> , <b>2007</b> , 80, 1115-24	11	18
268	Variability of the insulin receptor substrate-1, hepatocyte nuclear factor-1alpha (HNF-1alpha), HNF-4alpha, and HNF-6 genes and size at birth in a population-based sample of young Danish subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 2951-3	5.6	18
267	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
266	Low-grade inflammation independently associates with cardiometabolic risk in children with overweight/obesity. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2020</b> , 30, 1544-1553	4.5	18
265	Discovery of novel heart rate-associated loci using the Exome Chip. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 2346-2363	5.6	17
264	Discovery of coding genetic variants influencing diabetes-related serum biomarkers and their impact on risk of type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, E664-71	5.6	17
263	One-carbon metabolism markers are associated with cardiometabolic risk factors. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2018</b> , 28, 402-410	4.5	17
262	Bone turnover, calcium homeostasis, and vitamin D status in Danish vegans. <i>European Journal of Clinical Nutrition</i> , <b>2018</b> , 72, 1046-1054	5.2	17
261	A Splice Region Variant in LDLR Lowers Non-high Density Lipoprotein Cholesterol and Protects against Coronary Artery Disease. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005379	6	17
260	Studies of variability in the PTEN gene among Danish caucasian patients with Type II diabetes mellitus. <i>Diabetologia</i> , <b>2001</b> , 44, 237-40	10.3	17
259	Effects of hyperinsulinemia and hyperglycemia on insulin receptor function and glycogen synthase activation in skeletal muscle of normal man. <i>Metabolism: Clinical and Experimental</i> , <b>1991</b> , 40, 830-5	12.7	17
258	Postbinding defects of insulin action in human adipocytes from uremic patients. <i>Kidney International</i> , <b>1985</b> , 27, 780-4	9.9	17
257	A study of insulin receptors in human mononuclear leucocytes. <i>European Journal of Endocrinology</i> , <b>1976</b> , 83, 556-64	6.5	17
256	Vejle Diabetes Biobank - a resource for studies of the etiologies of diabetes and its comorbidities. <i>Clinical Epidemiology</i> , <b>2016</b> , 8, 393-413	5.9	17
255	A novel rare CUBN variant and three additional genes identified in Europeans with and without diabetes: results from an exome-wide association study of albuminuria. <i>Diabetologia</i> , <b>2019</b> , 62, 292-305	10.3	17

254	Genetic Variations in the Human G Protein-coupled Receptor Class C, Group 6, Member A (GPRC6A) Control Cell Surface Expression and Function. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 1524-1534	5.4	16
253	Abdominal adiposity and cardiometabolic risk factors in children and adolescents: a Mendelian randomization analysis. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 110, 1079-1087	7	16
252	Genetic variant SLC2A2 [corrected] Is associated with risk of cardiovascular disease Assessing the individual and cumulative effect of 46 type 2 diabetes related genetic variants. <i>PLoS ONE</i> , <b>2012</b> , 7, e50418	3.7	16
251	Validation of a multi-marker model for the prediction of incident type 2 diabetes mellitus: combined results of the Inter99 and Botnia studies. <i>Diabetes and Vascular Disease Research</i> , <b>2012</b> , 9, 59-67	3.3	16
250	The Val985Met insulin-receptor variant in the Danish Caucasian population: lack of associations with non-insulin-dependent diabetes mellitus or insulin resistance. <i>American Journal of Human Genetics</i> , <b>1997</b> , 60, 1532-5	11	16
249	PC-1 amino acid variant (K121Q) has no impact on progression of diabetic nephropathy in type 1 diabetic patients. <i>Nephrology Dialysis Transplantation</i> , <b>2002</b> , 17, 1408-12	4.3	16
248	The effect of glibenclamide on insulin receptors in normal man: comparative studies of insulin binding to monocytes and erythrocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1983</b> , 57, 1257-62	5.6	16
247	Severe insulin-resistant diabetes mellitus in patients with congenital muscle fiber type disproportion myopathy. <i>Journal of Clinical Investigation</i> , <b>1995</b> , 95, 1925-32	15.9	16
246	Identification of Novel Genetic Determinants of Erythrocyte Membrane Fatty Acid Composition among Greenlanders. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006119	6	16
245	The effect of drinking water pH on the human gut microbiota and glucose regulation: results of a randomized controlled cross-over intervention. <i>Scientific Reports</i> , <b>2018</b> , 8, 16626	4.9	16
244	Urinary metabolomics reveals glycemic and coffee associated signatures of thyroid function in two population-based cohorts. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173078	3.7	15
243	Associations of the Inflammatory Marker YKL-40 with Measures of Obesity and Dyslipidaemia in Individuals at High Risk of Type 2 Diabetes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133672	3.7	15
242	Maturity-onset diabetes of the young with end-stage nephropathy: a new indication for simultaneous pancreas and kidney transplantation?. <i>Transplantation</i> , <b>2004</b> , 77, 1298-301	1.8	15
241	The N363S polymorphism of the glucocorticoid receptor and metabolic syndrome factors in men. <i>Obesity</i> , <b>2005</b> , 13, 862-7		15
240	The insulin receptor in normal and obese persons. <i>European Journal of Endocrinology</i> , <b>1976</b> , 83, 565-75	6.5	15
239	The type 2 diabetes risk allele of TMEM154-rs6813195 associates with decreased beta cell function in a study of 6,486 Danes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120890	3.7	15
238	1H-MRS Measured Ectopic Fat in Liver and Muscle in Danish Lean and Obese Children and Adolescents. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135018	3.7	15
237	Comparative Analyses of QTLs Influencing Obesity and Metabolic Phenotypes in Pigs and Humans. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137356	3.7	15

236	Ocular surface microbiota in patients with aqueous tear-deficient dry eye. <i>Ocular Surface</i> , <b>2021</b> , 19, 210-217	15	
235	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits: A Mendelian Randomization Study. <i>JAMA Network Open</i> , <b>2019</b> , 2, e1910915	10.4	14
234	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , <b>2019</b> , 62, 1601-1615	10.3	14
233	Skeletal muscle enhancer interactions identify genes controlling whole-body metabolism. <i>Nature Communications</i> , <b>2020</b> , 11, 2695	17.4	14
232	Omics-driven discoveries in prevention and treatment of type 2 diabetes. <i>European Journal of Clinical Investigation</i> , <b>2012</b> , 42, 579-88	4.6	14
231	Homozygous carriers of the G allele of rs4664447 of the glucagon gene (GCG) are characterised by decreased fasting and stimulated levels of insulin, glucagon and glucagon-like peptide (GLP)-1. <i>Diabetologia</i> , <b>2011</b> , 54, 2820-31	10.3	14
230	No consistent effect of ADRB2 haplotypes on obesity, hypertension and quantitative traits of body fatness and blood pressure among 6,514 adult Danes. <i>PLoS ONE</i> , <b>2009</b> , 4, e7206	3.7	14
229	Target intervention against multiple-risk markers to reduce cardiovascular disease in patients with type 2 diabetes. <i>Annals of Medicine</i> , <b>2004</b> , 36, 355-66	1.5	14
228	Mutational analysis of the coding regions of the genes encoding protein kinase B-alpha and -beta, phosphoinositide-dependent protein kinase-1, phosphatase targeting to glycogen, protein phosphatase inhibitor-1, and glycogenin: lessons from a search for genetic variability of the insulin-stimulated glycogen synthesis pathway of skeletal muscle in NIDDM patients. <i>Diabetes</i> , <b>1999</b> , 48, 145-54	0.9	14
227	Implications of compound heterozygous insulin receptor mutations in congenital muscle fibre type disproportion myopathy for the receptor kinase activation. <i>Diabetologia</i> , <b>1999</b> , 42, 245-9	10.3	14
226	Activity of insulin receptor kinase and glycogen synthase in skeletal muscle from patients with chronic renal failure. <i>European Journal of Endocrinology</i> , <b>1989</b> , 121, 744-50	6.5	14
225	Heterogeneity of insulin receptors in patients with untreated insulin-dependent diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1982</b> , 55, 30-9	5.6	14
224	A genome-wide association study of thyroid stimulating hormone and free thyroxine in Danish children and adolescents. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174204	3.7	14
223	Impaired expression of glycogen synthase mRNA in skeletal muscle of NIDDM patients. <i>Diabetes</i> , <b>1991</b> , 40, 1740-1745	0.9	14
222	Functional and genetic epidemiological characterisation of the FFAR4 (GPR120) p.R270H variant in the Danish population. <i>Journal of Medical Genetics</i> , <b>2016</b> , 53, 616-23	5.8	14
221	The antidepressant-like effect of probiotics and their faecal abundance may be modulated by the cohabiting gut microbiota in rats. <i>European Neuropsychopharmacology</i> , <b>2019</b> , 29, 98-110	1.2	14
220	ExomeChip-Wide Analysis of 95 626 Individuals Identifies 10 Novel Loci Associated With QT and JT Intervals. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e001758	5.2	14
219	Plasma Alkylresorcinols Reflect Gluten Intake and Distinguish between Gluten-Rich and Gluten-Poor Diets in a Population at Risk of Metabolic Syndrome. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 1991-1998	14.8	13



218	Studies of association between LPIN1 variants and common metabolic phenotypes among 17,538 Danes. <i>European Journal of Endocrinology</i> , <b>2010</b> , 163, 81-7	6.5	13
217	Studies of CTNNB1 and FDFT1 variants and measures of obesity: analyses of quantitative traits and case-control studies in 18,014 Danes. <i>BMC Medical Genetics</i> , <b>2009</b> , 10, 17	2.1	13
216	Studies of the Ala/Val98 polymorphism of the hepatocyte nuclear factor-1alpha gene and the relationship to beta-cell function during an OGTT in glucose-tolerant women with and without previous gestational diabetes mellitus. <i>Diabetic Medicine</i> , <b>2004</b> , 21, 1310-5	3.5	13
215	Elevated levels of plasma von Willebrand factor and the risk of macro- and microvascular disease in type 2 diabetic patients with microalbuminuria. <i>Nephrology Dialysis Transplantation</i> , <b>2001</b> , 16, 2028-33	4.3	13
214	The effect of two frequent amino acid variants of the hepatocyte nuclear factor-1alpha gene on estimates of the pancreatic beta-cell function in Caucasian glucose-tolerant first-degree relatives of type 2 diabetic patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 3992-5	5.6	13
213	Variance of the SGK1 gene is associated with insulin secretion in different European populations: results from the TUEF, EUGENE2, and METSIM studies. <i>PLoS ONE</i> , <b>2008</b> , 3, e3506	3.7	13
212	Interaction between genetic predisposition to adiposity and dietary protein in relation to subsequent change in body weight and waist circumference. <i>PLoS ONE</i> , <b>2014</b> , 9, e110890	3.7	13
211	Genetic variants in promoters and coding regions of the muscle glycogen synthase and the insulin-responsive GLUT4 genes in NIDDM. <i>Diabetes</i> , <b>1994</b> , 43, 976-983	0.9	13
210	Human and preclinical studies of the host-gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. <i>Gut</i> , <b>2021</b> , 70, 2105-2114	19.2	13
209	Reference values for serum leptin in healthy non-obese children and adolescents. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2016</b> , 76, 561-567	2	13
208	Trans-ethnic gut microbial signatures of prediabetic subjects from India and Denmark. <i>Genome Medicine</i> , <b>2021</b> , 13, 36	14.4	13
207	High heritability and genetic correlation of intravenous glucose- and tolbutamide-induced insulin secretion among non-diabetic family members of type 2 diabetic patients. <i>Diabetologia</i> , <b>2014</b> , 57, 1173-81	10.3	12
206	Lessons from whole-exome sequencing in MODYX families. <i>Diabetes Research and Clinical Practice</i> , <b>2014</b> , 104, e72-4	7.4	12
205	Comparison of accuracy of diabetes risk score and components of the metabolic syndrome in assessing risk of incident type 2 diabetes in Inter99 cohort. <i>PLoS ONE</i> , <b>2011</b> , 6, e22863	3.7	12
204	The birth weight lowering C-allele of rs900400 near LEKR1 and CCNL1 associates with elevated insulin release following an oral glucose challenge. <i>PLoS ONE</i> , <b>2011</b> , 6, e27096	3.7	12
203	Family and population-based studies of variation within the ghrelin receptor locus in relation to measures of obesity. <i>PLoS ONE</i> , <b>2010</b> , 5, e10084	3.7	12
202	Genetic association analysis of 13 nuclear-encoded mitochondrial candidate genes with type II diabetes mellitus: the DAMAGE study. <i>European Journal of Human Genetics</i> , <b>2009</b> , 17, 1056-62	5.3	12
201	Genetic analysis of Kruppel-like zinc finger 11 variants in 5864 Danish individuals: potential effect on insulin resistance and modified signal transducer and activator of transcription-3 binding by promoter variant -1659G>C. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 3128-35	5.6	12

200	Genetic analysis of the estrogen-related receptor alpha and studies of association with obesity and type 2 diabetes. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 365-70	5.5	12
199	Lewis phenotypes and the insulin resistance syndrome in young healthy white men and women. <i>American Journal of Hypertension</i> , <b>1995</b> , 8, 1060-6	2.3	12
198	The Effect of Overweight and Obesity on Liver Biochemical Markers in Children and Adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	12
197	Trans-ethnic gut microbiota signatures of type 2 diabetes in Denmark and India. <i>Genome Medicine</i> , <b>2021</b> , 13, 37	14.4	12
196	Dairy Intake and Body Composition and Cardiometabolic Traits among Adults: Mendelian Randomization Analysis of 182041 Individuals from 18 Studies. <i>Clinical Chemistry</i> , <b>2019</b> , 65, 751-760	5.5	11
195	Beneficial impact of intensified multifactorial intervention on risk of stroke: outcome of 21 years of follow-up in the randomised Steno-2 Study. <i>Diabetologia</i> , <b>2019</b> , 62, 1575-1580	10.3	11
194	Reference values for leptin/adiponectin ratio in healthy children and adolescents. <i>Clinica Chimica Acta</i> , <b>2019</b> , 493, 123-128	6.2	11
193	Reference values for fasting serum concentrations of thyroid-stimulating hormone and thyroid hormones in healthy Danish/North-European white children and adolescents. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2019</b> , 79, 129-135	2	11
192	Identification of novel high-impact recessively inherited type 2 diabetes risk variants in the Greenlandic population. <i>Diabetologia</i> , <b>2018</b> , 61, 2005-2015	10.3	11
191	Dietary ascorbic acid and subsequent change in body weight and waist circumference: associations may depend on genetic predisposition to obesity--a prospective study of three independent cohorts. <i>Nutrition Journal</i> , <b>2014</b> , 13, 43	4.3	11
190	Chronic Mild Hyperglycemia in GCK-MODY Patients Does Not Increase Carotid Intima-Media Thickness. <i>International Journal of Endocrinology</i> , <b>2013</b> , 2013, 718254	2.7	11
189	The effects of adding group-based lifestyle counselling to individual counselling on changes in plasma glucose levels in a randomized controlled trial: the Inter99 study. <i>Diabetes and Metabolism</i> , <b>2011</b> , 37, 546-52	5.4	11
188	Familial mild hyperglycemia associated with a novel ABCC8-V84I mutation within three generations. <i>Pediatric Diabetes</i> , <b>2011</b> , 12, 266-9	3.6	11
187	LMNA rs4641 and the muscle lamin A and C isoforms in twins--metabolic implications and transcriptional regulation. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 3884-92	5.6	11
186	Improved glycemic control induced by both metformin and repaglinide is associated with a reduction in blood levels of 3-deoxyglucosone in nonobese patients with type 2 diabetes. <i>European Journal of Endocrinology</i> , <b>2011</b> , 164, 371-9	6.5	11
185	Lack of association between PKLR rs3020781 and NOS1AP rs7538490 and type 2 diabetes, overweight, obesity and related metabolic phenotypes in a Danish large-scale study: case-control studies and analyses of quantitative traits. <i>BMC Medical Genetics</i> , <b>2008</b> , 9, 118	2.1	11
184	Characterization of the insulin resistance of glucose utilization in adipocytes from patients with hyper- and hypothyroidism. <i>European Journal of Endocrinology</i> , <b>1988</b> , 119, 228-34	6.5	11
183	Combinatorial, additive and dose-dependent drug-microbiome associations. <i>Nature</i> , <b>2021</b> ,	50.4	11



182	Effects of a Family-Based Childhood Obesity Treatment Program on Parental Weight Status. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161921	3.7	11
181	Increase in clinically recorded type 2 diabetes after colectomy. <i>ELife</i> , <b>2018</b> , 7,	8.9	11
180	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. <i>Diabetes</i> , <b>2019</b> , 68, 502-514	0.9	11
179	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e002037	5.2	11
178	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. <i>Journal of Hepatology</i> , <b>2019</b> , 71, 594-602	13.4	10
177	Glucose metabolism in children and adolescents: Population-based reference values and comparisons to children and adolescents enrolled in obesity treatment. <i>Pediatric Diabetes</i> , <b>2019</b> , 20, 538-548	3.6	10
176	Genetic Determinants of Weight Loss After Bariatric Surgery. <i>Obesity Surgery</i> , <b>2019</b> , 29, 2554-2561	3.7	10
175	Postprandial incretin and islet hormone responses and dipeptidyl-peptidase 4 enzymatic activity in patients with maturity onset diabetes of the young. <i>European Journal of Endocrinology</i> , <b>2015</b> , 173, 205-155	6.5	10
174	Predicting glycated hemoglobin levels in the non-diabetic general population: Development and validation of the DIRECT-DETECT prediction model - a DIRECT study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171816	3.7	10
173	Sex-specific effects of naturally occurring variants in the dopamine receptor D2 locus on insulin secretion and type 2 diabetes susceptibility. <i>Diabetic Medicine</i> , <b>2014</b> , 31, 1001-8	3.5	10
172	Assembly and analysis of 100 full MHC haplotypes from the Danish population. <i>Genome Research</i> , <b>2017</b> , 27, 1597-1607	9.7	10
171	The effect of FOXA2 rs1209523 on glucose-related phenotypes and risk of type 2 diabetes in Danish individuals. <i>BMC Medical Genetics</i> , <b>2012</b> , 13, 10	2.1	10
170	Mechanism-based population modelling for assessment of L-cell function based on total GLP-1 response following an oral glucose tolerance test. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2011</b> , 38, 713-25	2.7	10
169	The minor C-allele of rs2014355 in ACADS is associated with reduced insulin release following an oral glucose load. <i>BMC Medical Genetics</i> , <b>2011</b> , 12, 4	2.1	10
168	Impact of size at birth and prematurity on adult anthropometry in 4744 middle-aged Danes - The Inter99 study. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2010</b> , 1, 319-28	2.4	10
167	PROactive study. <i>Lancet, The</i> , <b>2006</b> , 367, 23-4; author reply 26-7	40	10
166	A Human Variant of Glucose-Regulated Protein 94 That Inefficiently Supports IGF Production. <i>Endocrinology</i> , <b>2016</b> , 157, 1914-28	4.8	9
165	A combined analysis of 48 type 2 diabetes genetic risk variants shows no discriminative value to predict time to first prescription of a glucose lowering drug in Danish patients with screen detected type 2 diabetes. <i>PLoS ONE</i> , <b>2014</b> , 9, e104837	3.7	9

164	Variation in CHI3LI in relation to type 2 diabetes and related quantitative traits. <i>PLoS ONE</i> , <b>2009</b> , 4, e5469.	9.7	9
163	Predictive performance for population models using stochastic differential equations applied on data from an oral glucose tolerance test. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2010</b> , 37, 85-98	2.7	9
162	A novel -192c/g mutation in the proximal P2 promoter of the hepatocyte nuclear factor-4 alpha gene (HNF4A) associates with late-onset diabetes. <i>Diabetes</i> , <b>2006</b> , 55, 1869-73	0.9	9
161	Impact of low-dose acetylsalicylic acid on kidney function in type 2 diabetic patients with elevated urinary albumin excretion rate. <i>Nephrology Dialysis Transplantation</i> , <b>2003</b> , 18, 539-42	4.3	9
160	Large-scale association analyses identify host factors influencing human gut microbiome composition		9
159	Effects of biphasic, basal-bolus or basal insulin analogue treatments on carotid intima-media thickness in patients with type 2 diabetes mellitus: the randomised Copenhagen Insulin and Metformin Therapy (CIMT) trial. <i>BMJ Open</i> , <b>2016</b> , 6, e008377	3	9
158	Population-based studies of relationships between dietary acidity load, insulin resistance and incident diabetes in Danes. <i>Nutrition Journal</i> , <b>2018</b> , 17, 91	4.3	9
157	Indicator of RNA oxidation in urine for the prediction of mortality in patients with type 2 diabetes and microalbuminuria: A post-hoc analysis of the Steno-2 trial. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 129, 247-255	7.8	9
156	Carriers of a enhancer polymorphism selectively binding CHOP/DDIT3 are predisposed to increased circulating levels of thyroid-stimulating hormone. <i>Journal of Medical Genetics</i> , <b>2017</b> , 54, 166-175	5.8	8
155	Ponderal index at birth associates with later risk of gestational diabetes mellitus. <i>Archives of Gynecology and Obstetrics</i> , <b>2017</b> , 296, 249-256	2.5	8
154	Reduced CD300LG mRNA tissue expression, increased intramyocellular lipid content and impaired glucose metabolism in healthy male carriers of Arg82Cys in CD300LG: a novel genometic cross-link between CD300LG and common metabolic phenotypes. <i>BMJ Open Diabetes Research and Care</i> , <b>2015</b> , 3, e000095	4.5	8
153	Gestational diabetes and the human salivary microbiota: a longitudinal study during pregnancy and postpartum. <i>BMC Pregnancy and Childbirth</i> , <b>2020</b> , 20, 69	3.2	8
152	Common variants in the hERG (KCNH2) voltage-gated potassium channel are associated with altered fasting and glucose-stimulated plasma incretin and glucagon responses. <i>BMC Genetics</i> , <b>2018</b> , 19, 15	2.6	8
151	Phenome-wide association analysis of LDL-cholesterol lowering genetic variants in PCSK9. <i>BMC Cardiovascular Disorders</i> , <b>2019</b> , 19, 240	2.3	8
150	A Bayesian multilocus association method: allowing for higher-order interaction in association studies. <i>Genetics</i> , <b>2007</b> , 176, 1197-208	4	8
149	Lens fluorescence in relation to glucose tolerance and genetic predisposition to type 2 diabetes mellitus in a population-based study. <i>Current Eye Research</i> , <b>2006</b> , 31, 733-8	2.9	8
148	A common polymorphism in the promoter of the IGF-I gene associates with increased fasting serum triglyceride levels in glucose-tolerant subjects. <i>Clinical Biochemistry</i> , <b>2004</b> , 37, 660-5	3.5	8
147	Studies of variations of the cyclin-dependent kinase inhibitor 1C and the cyclin-dependent kinase 4 genes in relation to type 2 diabetes mellitus and related quantitative traits. <i>Journal of Molecular Medicine</i> , <b>2005</b> , 83, 353-61	5.5	8

146	Alternative splicing of exon 17 and a missense mutation in exon 20 of the insulin receptor gene in two brothers with a novel syndrome of insulin resistance (congenital fiber-type disproportion myopathy). <i>Hormone Research in Paediatrics</i> , <b>1999</b> , 52, 211-20	3.3	8
145	Reduced binding and antilipolytic effect of prostaglandin E2 in adipocytes from patients with hyperthyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1986</b> , 62, 258-62	5.6	8
144	Decreased insulin binding to erythrocytes in subjects with Klinefelter syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1981</b> , 53, 654-5	5.6	8
143	Associations between APOE variants and metabolic traits and the impact of psychological stress. <i>PLoS ONE</i> , <b>2011</b> , 6, e15745	3.7	8
142	Genetic Correlation between Body Fat Percentage and Cardiorespiratory Fitness Suggests Common Genetic Etiology. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166738	3.7	8
141	GLP-1 Receptor Agonist Treatment in Morbid Obesity and Type 2 Diabetes Due to Pathogenic Homozygous Melanocortin-4 Receptor Mutation: A Case Report. <i>Cell Reports Medicine</i> , <b>2020</b> , 1, 100006	1.8	8
140	Gut microbiota profile and selected plasma metabolites in type 1 diabetes without and with stratification by albuminuria. <i>Diabetologia</i> , <b>2020</b> , 63, 2713-2724	10.3	8
139	A cost analysis of intensified vs conventional multifactorial therapy in individuals with type 2 diabetes: a post hoc analysis of the Steno-2 study. <i>Diabetologia</i> , <b>2019</b> , 62, 147-155	10.3	8
138	Plasma trimethylamine N-oxide and its metabolic precursors and risk of mortality, cardiovascular and renal disease in individuals with type 2-diabetes and albuminuria. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244402	3.7	8
137	Impaired fasting glucose and the metabolic profile in Danish children and adolescents with normal weight, overweight, or obesity. <i>Pediatric Diabetes</i> , <b>2018</b> , 19, 356-365	3.6	8
136	An adult-based insulin resistance genetic risk score associates with insulin resistance, metabolic traits and altered fat distribution in Danish children and adolescents who are overweight or obese. <i>Diabetologia</i> , <b>2018</b> , 61, 1769-1779	10.3	8
135	Glucose ingestion causes cardiac repolarization disturbances in type 1 long QT syndrome patients and healthy subjects. <i>Heart Rhythm</i> , <b>2017</b> , 14, 1165-1170	6.7	7
134	The effect of smoking on the urinary excretion of 8-oxodG and 8-oxoGuo in patients with type 2 diabetes. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2017</b> , 77, 253-258	2	7
133	Genome-wide association studies of human adiposity: Zooming in on synapses. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 418 Pt 2, 90-100	4.4	7
132	Common variants in LEPR, IL6, AMD1, and NAMPT do not associate with risk of juvenile and childhood obesity in Danes: a case-control study. <i>BMC Medical Genetics</i> , <b>2015</b> , 16, 105	2.1	7
131	The Danish Centre for Strategic Research in Type 2 Diabetes (DD2) Project: rationale and planned nationwide studies of genetic predictors, physical exercise, and individualized pharmacological treatment. <i>Clinical Epidemiology</i> , <b>2012</b> , 4, 7-13	5.9	7
130	Dietary patterns predict changes in two-hour post-oral glucose tolerance test plasma glucose concentrations in middle-aged adults. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 588-93	4.1	7
129	Childhood obesity treatment; Effects on BMI SDS, body composition, and fasting plasma lipid concentrations. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190576	3.7	7

128	Human pancreatic islet 3D chromatin architecture provides insights into the genetics of type 2 diabetes	7	
127	Association of alcohol consumption with allergic disease and asthma: a multi-centre Mendelian randomization analysis. <i>Addiction</i> , <b>2019</b> , 114, 216-225	4.6	7
126	Sagittal abdominal diameter and waist circumference appear to be equally good as identifiers of cardiometabolic risk. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2021</b> , 31, 518-527	4.5	7
125	A diet-induced gut microbiota component and related plasma metabolites are associated with depressive-like behaviour in rats. <i>European Neuropsychopharmacology</i> , <b>2021</b> , 43, 10-21	1.2	7
124	Genetic Susceptibility for Childhood BMI has no Impact on Weight Loss Following Lifestyle Intervention in Danish Children. <i>Obesity</i> , <b>2018</b> , 26, 1915-1922	8	7
123	Metabolomic and microbiome profiling reveals personalized risk factors for coronary artery disease.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	7
122	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. <i>Nature Genetics</i> , <b>2022</b> ,	36.3	7
121	Increased frequency of rare missense PPP1R3B variants among Danish patients with type 2 diabetes. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210114	3.7	6
120	Genetic and phenotypic correlations between surrogate measures of insulin release obtained from OGTT data. <i>Diabetologia</i> , <b>2015</b> , 58, 1006-12	10.3	6
119	Associations of genetic determinants of serum vitamin B12 and folate concentrations with hay fever and asthma: a Mendelian randomization meta-analysis. <i>European Journal of Clinical Nutrition</i> , <b>2018</b> , 72, 264-271	5.2	6
118	Chronic family stress moderates the association between a TOMM40 variant and triglyceride levels in two independent Caucasian samples. <i>Biological Psychology</i> , <b>2013</b> , 93, 184-9	3.2	6
117	The HADHSC gene encoding short-chain L-3-hydroxyacyl-CoA dehydrogenase (SCHAD) and type 2 diabetes susceptibility: the DAMAGE study. <i>Diabetes</i> , <b>2006</b> , 55, 3193-6	0.9	6
116	Variation in NCB5OR: studies of relationships to type 2 diabetes, maturity-onset diabetes of the young, and gestational diabetes mellitus. <i>Diabetes</i> , <b>2004</b> , 53, 2992-7	0.9	6
115	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , <b>2021</b> , 44, 511-518	14.6	6
114	The effect of impaired glucose metabolism on weight loss in multidisciplinary childhood obesity treatment. <i>Pediatric Diabetes</i> , <b>2018</b> , 19, 366-374	3.6	6
113	Hypertension genetic risk score is associated with burden of coronary heart disease among patients referred for coronary angiography. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208645	3.7	6
112	Reference values for fasting serum resistin in healthy children and adolescents. <i>Clinica Chimica Acta</i> , <b>2017</b> , 469, 161-165	6.2	5
111	Alcohol consumption and its interaction with adiposity-associated genetic variants in relation to subsequent changes in waist circumference and body weight. <i>Nutrition Journal</i> , <b>2017</b> , 16, 51	4.3	5

110	Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, 1700347	5.9	5
109	Genetic predisposition to higher body fat yet lower cardiometabolic risk in children and adolescents. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 2007-2016	5.5	5
108	Common variation in oxidative phosphorylation genes is not a major cause of insulin resistance or type 2 diabetes. <i>Diabetologia</i> , <b>2012</b> , 55, 340-8	10.3	5
107	Association studies of genetic scores of serum vitamin B12 and folate levels with symptoms of depression and anxiety in two danish population studies. <i>European Journal of Clinical Nutrition</i> , <b>2017</b> , 71, 1054-1060	5.2	5
106	Studies of the variability of the hepatocyte nuclear factor-1beta (HNF-1beta / TCF2) and the dimerization cofactor of HNF-1 (DcoH / PCBD) genes in relation to type 2 diabetes mellitus and beta-cell function. <i>Human Mutation</i> , <b>2001</b> , 18, 356-7	4.7	5
105	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism.. <i>Gut</i> , <b>2022</b> ,	19.2	5
104	Elevation of serum insulin concentration during euglycemic hyperinsulinemic clamp studies leads to similar activation of insulin receptor kinase in skeletal muscle of subjects with and without NIDDM. <i>Diabetes</i> , <b>1995</b> , 44, 1310-1317	0.9	5
103	Identification of four amino acid substitutions in hexokinase II and studies of relationships to NIDDM, glucose effectiveness, and insulin sensitivity. <i>Diabetes</i> , <b>1995</b> , 44, 347-353	0.9	5
102	Linking glycemic dysregulation in diabetes to symptoms, comorbidities, and genetics through EHR data mining. <i>ELife</i> , <b>2019</b> , 8,	8.9	5
101	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. <i>Nature Communications</i> , <b>2021</b> , 12, 3505	17.4	5
100	Serum 25-Hydroxyvitamin D Status and Longitudinal Changes in Weight and Waist Circumference: Influence of Genetic Predisposition to Adiposity. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153611	3.7	5
99	Evidence for an association between the Leu162Val polymorphism of the PPARalpha gene and decreased fasting serum triglyceride levels in glucose tolerant subjects. <i>Pharmacogenetics and Genomics</i> , <b>2003</b> , 13, 417-23		5
98	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. <i>Diabetologia</i> , <b>2020</b> , 63, 744-756	10.3	4
97	Urinary nucleic acid oxidation product levels show differential associations with pharmacological treatment in patients with type 2 diabetes. <i>Free Radical Research</i> , <b>2019</b> , 53, 694-703	4	4
96	Impact of PTBP1 rs11085226 on glucose-stimulated insulin release in adult Danes. <i>BMC Medical Genetics</i> , <b>2015</b> , 16, 17	2.1	4
95	Studies of a genetic variant in HK1 in relation to quantitative metabolic traits and to the prevalence of type 2 diabetes. <i>BMC Medical Genetics</i> , <b>2011</b> , 12, 99	2.1	4
94	Intensified multifactorial treatment of patients with Type 2 diabetes: what can be achieved and does it pay off?. <i>Journal of Diabetes</i> , <b>2009</b> , 1, 83-9	3.8	4
93	Studies of the impact of a liver glucokinase promoter variant on glucose tolerance and insulin sensitivity index. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1997</b> , 82, 1786-9	5.6	4

92	The effect of intensive insulin therapy on the insulin-regulatable glucose transporter (GLUT4) expression in skeletal muscle in type 1 diabetes. <i>Diabetic Medicine</i> , <b>1993</b> , 10, 699-706	3.5	4
91	FUT2-ABO epistasis increases the risk of early childhood asthma and Streptococcus pneumoniae respiratory illnesses. <i>Nature Communications</i> , <b>2020</b> , 11, 6398	17.4	4
90	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes		4
89	Tissue-Specific Alteration of Metabolic Pathways Influences Glycemic Regulation		4
88	Comparative Studies of the Gut Microbiota in the Offspring of Mothers With and Without Gestational Diabetes. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 536282	5.9	4
87	Profiles of Glucose Metabolism in Different Prediabetes Phenotypes, Classified by Fasting Glycemia, 2-Hour OGTT, Glycated Hemoglobin, and 1-Hour OGTT: An IMI DIRECT Study. <i>Diabetes</i> , <b>2021</b> , 70, 2092-2106	0.9	4
86	Prognostic impact of carboxylesterase 1 gene variants in patients with congestive heart failure treated with angiotensin-converting enzyme inhibitors. <i>Pharmacogenetics and Genomics</i> , <b>2016</b> , 26, 169-177	1.9	4
85	Identification of novel LEPR mutations in Pakistani families with morbid childhood obesity. <i>BMC Medical Genetics</i> , <b>2018</b> , 19, 199	2.1	4
84	Application of urinary proteomics as possible risk predictor of renal and cardiovascular complications in patients with type 2-diabetes and microalbuminuria. <i>Journal of Diabetes and Its Complications</i> , <b>2018</b> , 32, 1133-1140	3.2	4
83	Microbiome and metabolome features of the cardiometabolic disease spectrum.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	4
82	Genetic determinants of glycosylated hemoglobin levels in the Greenlandic Inuit population. <i>European Journal of Human Genetics</i> , <b>2018</b> , 26, 868-875	5.3	3
81	Mendelian randomisation study of the associations of vitamin B12 and folate genetic risk scores with blood pressure and fasting serum lipid levels in three Danish population-based studies. <i>European Journal of Clinical Nutrition</i> , <b>2016</b> , 70, 613-9	5.2	3
80	Response to Comments on Nolan et al. Insulin Resistance as a Physiological Defense Against Metabolic Stress: Implications for the Management of Subsets of Type 2 Diabetes. <i>Diabetes</i> 2015;64:673-686. <i>Diabetes</i> , <b>2015</b> , 64, e38-9	0.9	3
79	Impact of rs361072 in the phosphoinositide 3-kinase p110beta gene on whole-body glucose metabolism and subunit protein expression in skeletal muscle. <i>Diabetes</i> , <b>2010</b> , 59, 1108-12	0.9	3
78	Monocyte-mediated antibody-dependent cytotoxicity. Modulation by Glycolysis and insulin. <i>Scandinavian Journal of Haematology</i> , <b>1981</b> , 26, 137-44		3
77	Novel variants in the putative peroxisome proliferator-activated receptor {gamma} promoter and relationships with obesity in men. <i>Obesity</i> , <b>2005</b> , 13, 953-8		3
76	The Polygenic and Monogenic Basis of Blood Traits and Diseases		3
75	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. <i>Genome Medicine</i> , <b>2020</b> , 12, 109	14.4	3



74	Physical activity attenuates postprandial hyperglycaemia in homozygous TBC1D4 loss-of-function mutation carriers. <i>Diabetologia</i> , <b>2021</b> , 64, 1795-1804	10.3	3
73	Fasting Plasma GLP-1 Is Associated With Overweight/Obesity and Cardiometabolic Risk Factors in Children and Adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, 1718-1727	5.6	3
72	Affective disorders impact prevalence of Flavonifractor and abundance of Christensenellaceae in gut microbiota. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 110, 110300	5.5	3
71	Association of genetic variants previously implicated in coronary artery disease with age at onset of coronary artery disease requiring revascularizations. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211690	3.7	2
70	A mutation map for human glycoside hydrolase genes. <i>Glycobiology</i> , <b>2020</b> , 30, 500-515	5.8	2
69	Increasing insulin resistance accentuates the effect of triglyceride-associated loci on serum triglycerides during 5 years. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 2193-2199	6.3	2
68	Sequencing reveals protective and pathogenic effects on development of diabetes of rare GLIS3 variants. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220805	3.7	2
67	Blood pressure levels in male carriers of Arg82Cys in CD300LG. <i>PLoS ONE</i> , <b>2014</b> , 9, e109646	3.7	2
66	Studies of association of AGPAT6 variants with type 2 diabetes and related metabolic phenotypes in 12,068 Danes. <i>BMC Medical Genetics</i> , <b>2013</b> , 14, 113	2.1	2
65	The influence of parental history of diabetes and offspring birthweight on offspring glucose metabolism in adulthood. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2011</b> , 90, 1357-63	3.8	2
64	Studies of association of the CASQ1 rs2275703 polymorphism in relation to type 2 diabetes and related quantitative metabolic traits among 7,088 Danish whites. <i>Molecular Genetics and Metabolism</i> , <b>2007</b> , 92, 278-82	3.7	2
63	Alteration of gut microbiome in patients with schizophrenia indicates links between bacterial tyrosine biosynthesis and cognitive dysfunction. <i>Biological Psychiatry Global Open Science</i> , <b>2022</b> ,		2
62	Role of fasting duration and weekday in incretin and glucose regulation. <i>Endocrine Connections</i> , <b>2020</b> , 9, 279-288	3.5	2
61	Post-load glucose subgroups and associated metabolic traits in individuals with type 2 diabetes: An IMI-DIRECT study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242360	3.7	2
60	Rare coding variants in 35 genes associate with circulating lipid levels in a multi-ancestry analysis of 170,000 exomes		2
59	Genetic discovery and translational decision support from exome sequencing of 20,791 type 2 diabetes cases and 24,440 controls from five ancestries		2
58	Selection on the FADS region in Europeans		2
57	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , <b>2020</b> , 58, 102932	8.8	2



56	Data integration for prediction of weight loss in randomized controlled dietary trials. <i>Scientific Reports</i> , <b>2020</b> , 10, 20103	4.9	2
55	Ocular Surface Microbiota in Contact Lens Users and Contact-Lens-Associated Bacterial Keratitis. <i>Vision (Switzerland)</i> , <b>2021</b> , 5,	2.3	2
54	Genetic risk scores link body fat distribution with specific cardiometabolic profiles. <i>Obesity</i> , <b>2016</b> , 24, 1778-85	8	2
53	H-MRS measured ectopic fat in liver and muscle is associated with the metabolic syndrome in Danish girls but not in boys with overweight and obesity. <i>Obesity Science and Practice</i> , <b>2016</b> , 2, 376-384	2.6	2
52	Obesity treatment effect in Danish children and adolescents carrying Melanocortin-4 Receptor mutations. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 66-76	5.5	2
51	Genome-Wide Association Analysis of Pancreatic Beta-Cell Glucose Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, 80-90	5.6	2
50	Higher intake of fish and fat is associated with lower plasma s-adenosylhomocysteine: a cross-sectional study. <i>Nutrition Research</i> , <b>2017</b> , 46, 78-87	4	1
49	MR-proANP Associated with Body Mass Index in Patients with Anorexia Nervosa. <i>journal of applied laboratory medicine, The</i> , <b>2019</b> , 4, 132-134	2	1
48	Genetic determinants of blood pressure traits are associated with carotid arterial thickening and plaque formation in patients with type 2 diabetes. <i>Diabetes and Vascular Disease Research</i> , <b>2019</b> , 16, 13-21	3.3	1
47	Obesity: Beige adipocytes-will they beat obesity?. <i>Nature Reviews Endocrinology</i> , <b>2015</b> , 11, 694-6	15.2	1
46	Response to Comment on Ffch et al. GLP-1 Response to Oral Glucose Is Reduced in Prediabetes, Screen-Detected Type 2 Diabetes, and Obesity and Influenced by Sex: The ADDITION-PRO Study. <i>Diabetes</i> 2015;64:2513-2525. <i>Diabetes</i> , <b>2015</b> , 64, e30-e31	0.9	1
45	The derived allele of a novel intergenic variant at chromosome 11 associates with lower body mass index and a favorable metabolic phenotype in Greenlanders. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008544	6	1
44	Prospective Studies Exploring the Possible Impact of an ID3 Polymorphism on Changes in Obesity Measures. <i>Obesity</i> , <b>2018</b> , 26, 747-754	8	1
43	In Vivo and Ex Vivo Inflammatory Markers of Common Metabolic Phenotypes in Humans. <i>Metabolic Syndrome and Related Disorders</i> , <b>2018</b> , 16, 29-39	2.6	1
42	Brugada Syndrome-Associated Genetic Loci Are Associated With J-Point Elevation and an Increased Risk of Cardiac Arrest. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 894	4.6	1
41	Slimming down via the microbiota. <i>Nature Medicine</i> , <b>2013</b> , 19, 1374-5	50.5	1
40	GLUT4 translocation in human muscle strips. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, 466S	5.1	1
39	Polymorphisms in AHI1 are not associated with type 2 diabetes or related phenotypes in Danes: non-replication of a genome-wide association result. <i>Diabetologia</i> , <b>2008</b> , 51, 609-14	10.3	1

38	Impaired glycogen synthesis of skeletal muscle in patients with insulin-resistant diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , <b>1994</b> , 8, 213-20	3.2	1
37	Comparative studies of insulin binding to receptor from adipocytes, hepatocytes, monocytes and erythrocytes from the pig. Similarities with insulin receptor binding in man. <i>European Journal of Endocrinology</i> , <b>1988</b> , 118, 59-67	6.5	1
36	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study.. <i>Cell Reports Medicine</i> , <b>2022</b> , 3, 100477	18	1
35	Habitual physical activity is associated with lower fasting and greater glucose-induced GLP-1 response in men. <i>Endocrine Connections</i> , <b>2019</b> , 8, 1607-1617	3.5	1
34	Microbiome Determinants and Physiological Effects of the Benzoate-Hippurate Microbial-Host Co-Metabolic Pathway		1
33	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes		1
32	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution		1
31	The intestinal microbiome is a co-determinant of the postprandial plasma glucose response. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238648	3.7	1
30	Genetic analysis of blood molecular phenotypes reveals regulatory networks affecting complex traits: a DIRECT study		1
29	FGL1 as a modulator of plasma D-dimer levels: Exome-wide marker analysis of plasma tPA, PAI-1, and D-dimer. <i>Journal of Thrombosis and Haemostasis</i> , <b>2021</b> , 19, 2019-2028	15.4	1
28	Genetic insights into fetal growth and measures of glycaemic regulation and adiposity in adulthood: a family-based study. <i>BMC Medical Genetics</i> , <b>2018</b> , 19, 207	2.1	1
27	Patients with psoriasis have a dysbiotic taxonomic and functional gut microbiota.. <i>British Journal of Dermatology</i> , <b>2022</b> ,	4	1
26	Screening of 31 genes involved in monogenic forms of obesity in 23 Pakistani probands with early-onset childhood obesity: a case report. <i>BMC Medical Genetics</i> , <b>2019</b> , 20, 152	2.1	0
25	Greater glucagon-like peptide-1 responses to oral glucose are associated with lower central and peripheral blood pressures. <i>Cardiovascular Diabetology</i> , <b>2019</b> , 18, 130	8.7	0
24	Polygenic predisposition to breast cancer and the risk of coronary artery disease. <i>International Journal of Cardiology</i> , <b>2019</b> , 291, 145-151	3.2	0
23	Association of milk intake with hay fever, asthma, and lung function: a Mendelian randomization analysis.. <i>European Journal of Epidemiology</i> , <b>2022</b> , 1	12.1	0
22	Successful treatment of psoriasis with adalimumab induced no changes in the gut microbiota.. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2022</b> ,	4.6	0
21	Recessive Genome-wide Meta-analysis Illuminates Genetic Architecture of Type 2 Diabetes. <i>Diabetes</i> , <b>2021</b> ,	0.9	0

20	Genetic markers of abdominal obesity and weight loss after gastric bypass surgery. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252525	3.7	o
19	Conjugated C-6 hydroxylated bile acids in serum relate to human metabolic health and gut Clostridia species. <i>Scientific Reports</i> , <b>2021</b> , 11, 13252	4.9	o
18	Genome-wide association study of circulating levels of glucagon during an oral glucose tolerance test. <i>BMC Medical Genomics</i> , <b>2021</b> , 14, 3	3.7	o
17	The Arg82Cys Polymorphism of the Protein Nepmucin Implies a Role in HDL Metabolism.. <i>Journal of the Endocrine Society</i> , <b>2022</b> , 6, bvac034	0.4	o
16	Intrafamilial Variability of Early-Onset Diabetes due to an INS Mutation. <i>Case Reports in Genetics</i> , <b>2011</b> , 2011, 258978	0.7	
15	Rosiglitazone monotherapy for type 2 diabetes mellitus-too soon to ADOPT?. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , <b>2007</b> , 3, 456-7		
14	Serum leptin levels in pregnant women with type 1 diabetes mellitus. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2001</b> , 80, 596-601	3.8	
13	Interaction of Diet/Lifestyle Intervention and TCF7L2 Genotype on Glycemic Control and Adiposity among Overweight or Obese Adults: Big Data from Seven Randomized Controlled Trials Worldwide. <i>Health Data Science</i> , <b>2021</b> , 2021, 1-10		
12	Non-linear interaction between physical activity and polygenic risk score of body mass index in Danish and Russian populations. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258748	3.7	
11	Multifactorial Intervention in Type 2 Diabetes <b>2007</b> , 153-163		
10	Estimates of insulin sensitivity and $\beta$ cell function in children and adolescents with and without components of the metabolic syndrome. <i>Pediatric Endocrinology, Diabetes and Metabolism</i> , <b>2017</b> , 23, 122-129	1	
9	AuthorsReply to Sert@ comment on low-grade inflammation independently associates with cardiometabolic risk in children with overweight/obesity. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2020</b> , 30, 2422-2424	4.5	
8	AuthorsReply to Kahn@ comment. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2021</b> , 31, 1940-1941	15	
7	The Gut Microbiota in Type 2 Diabetes <b>2016</b> , 275-293		
6	Superficial fungal infections and patients with hidradenitis suppurativa: a study under the Danish Blood Donor Study. <i>Clinical and Experimental Dermatology</i> , <b>2021</b> , 46, 571-573	1.8	
5	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts <b>2020</b> , 17, e1003149		
4	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts <b>2020</b> , 17, e1003149		
3	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts <b>2020</b> , 17, e1003149		

- 2 Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts **2020**, 17, e1003149
- 1 Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts **2020**, 17, e1003149