Niels Grarup

List of Publications by Year in Descending Order

259 papers	22,968 citations	70 h-index	149 g-index
285 ext. papers	28,676 ext. citations	12 avg, IF	5.41 L-index

#	Paper	IF	Citations
259	Association of milk intake with hay fever, asthma, and lung function: a Mendelian randomization analysis.. *European Journal of Epidemiology*, **2022**, 1	12.1	0
258	The Arg82Cys Polymorphism of the Protein Nepmucin Implies a Role in HDL Metabolism.. *Journal of the Endocrine Society*, **2022**, 6, bvac034	0.4	0
257	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. *Nature Genetics*, **2022**,	36.3	7
256	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
255	DeepFake electrocardiograms using generative adversarial networks are the beginning of the end for privacy issues in medicine. *Scientific Reports*, **2021**, 11, 21896	4.9	6
254	Recessive Genome-wide Meta-analysis Illuminates Genetic Architecture of Type 2 Diabetes. *Diabetes*, **2021**,	0.9	0
253	Loss of Function Glucose-Dependent Insulinotropic Polypeptide Receptor Variants Are Associated With Alterations in BMI, Bone Strength and Cardiovascular Outcomes. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 749607	5.7	0
252	Non-linear interaction between physical activity and polygenic risk score of body mass index in Danish and Russian populations. *PLoS ONE*, **2021**, 16, e0258748	3.7	
251	Physical activity attenuates postprandial hyperglycaemia in homozygous TBC1D4 loss-of-function mutation carriers. *Diabetologia*, **2021**, 64, 1795-1804	10.3	3
250	The genetic history of Greenlandic-European contact. *Current Biology*, **2021**, 31, 2214-2219.e4	6.3	1
249	Explaining deep neural networks for knowledge discovery in electrocardiogram analysis. *Scientific Reports*, **2021**, 11, 10949	4.9	9
248	FGL1 as a modulator of plasma D-dimer levels: Exome-wide marker analysis of plasma tPA, PAI-1, and D-dimer. *Journal of Thrombosis and Haemostasis*, **2021**, 19, 2019-2028	15.4	1
247	Genetic markers of abdominal obesity and weight loss after gastric bypass surgery. *PLoS ONE*, **2021**, 16, e0252525	3.7	0
246	The trans-ancestral genomic architecture of glycemic traits. *Nature Genetics*, **2021**, 53, 840-860	36.3	44
245	Lipolysis drives expression of the constitutively active receptor GPR3 to induce adipose thermogenesis. *Cell*, **2021**, 184, 3502-3518.e33	56.2	23
244	Insulin resistance genetic risk score and burden of coronary artery disease in patients referred for coronary angiography. *PLoS ONE*, **2021**, 16, e0252855	3.7	0
243	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. *Nature Communications*, **2021**, 12, 3505	17.4	5

242	Abdominal and gluteofemoral fat depots show opposing associations with postprandial lipemia. *American Journal of Clinical Nutrition*, **2021**, 114, 1467-1475	7	2
241	The Effect of Melatonin on Incretin Hormones: Results From Experimental and Randomized Clinical Studies. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, e5109-e5123	5.6	0
240	Acute metabolic effects of melatonin-A randomized crossover study in healthy young men. *Journal of Pineal Research*, **2021**, 70, e12706	10.4	7
239	Investigating the causal effect of maternal vitamin B12 and folate levels on offspring birthweight. *International Journal of Epidemiology*, **2021**, 50, 179-189	7.8	1
238	Genome-Wide Association Analysis of Pancreatic Beta-Cell Glucose Sensitivity. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 80-90	5.6	2
237	Genome-wide association study of circulating levels of glucagon during an oral glucose tolerance test. *BMC Medical Genomics*, **2021**, 14, 3	3.7	0
236	Skeletal muscle enhancer interactions identify genes controlling whole-body metabolism. *Nature Communications*, **2020**, 11, 2695	17.4	14
235	The derived allele of a novel intergenic variant at chromosome 11 associates with lower body mass index and a favorable metabolic phenotype in Greenlanders. *PLoS Genetics*, **2020**, 16, e1008544	6	1
234	Estimating narrow-sense heritability using family data from admixed populations. *Heredity*, **2020**, 124, 751-762	3.6	1
233	GLP-1 Receptor Agonist Treatment in Morbid Obesity and Type 2 Diabetes Due to Pathogenic Homozygous Melanocortin-4 Receptor Mutation: A Case Report. *Cell Reports Medicine*, **2020**, 1, 100006	18	8
232	FUT2-ABO epistasis increases the risk of early childhood asthma and Streptococcus pneumoniae respiratory illnesses. *Nature Communications*, **2020**, 11, 6398	17.4	4
231	The effect of diabetes and the common diabetogenic TBC1D4 p.Arg684Ter variant on cardiovascular risk in Inuit in Greenland. *Scientific Reports*, **2020**, 10, 22081	4.9	3
230	Abdominal visceral and subcutaneous adipose tissue and associations with cardiometabolic risk in Inuit, Africans and Europeans: a cross-sectional study. *BMJ Open*, **2020**, 10, e038071	3	8
229	The Polygenic and Monogenic Basis of Blood Traits and Diseases. *Cell*, **2020**, 182, 1214-1231.e11	56.2	96
228	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. *PLoS Genetics*, **2020**, 16, e1008718	6	25
227	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nature Genetics*, **2020**, 52, 1314-1332	36.3	26
226	Trans-ethnic and Ancestry-Specific Blood-Cell Genetics in 746,667 Individuals from 5 Global Populations. *Cell*, **2020**, 182, 1198-1213.e14	56.2	88
225	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. *Diabetes*, **2020**, 69, 2806-2818	0.9	10

224	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. *Circulation Genomic and Precision Medicine*, **2020**, 13, 387-395	5.2	4
223	Obesity, unfavourable lifestyle and genetic risk of type 2 diabetes: a case-cohort study. *Diabetologia*, **2020**, 63, 1324-1332	10.3	46
222	Abdominal adiposity and cardiometabolic risk factors in children and adolescents: a Mendelian randomization analysis. *American Journal of Clinical Nutrition*, **2019**, 110, 1079-1087	7	16
221	Screening of 31 genes involved in monogenic forms of obesity in 23 Pakistani probands with early-onset childhood obesity: a case report. *BMC Medical Genetics*, **2019**, 20, 152	2.1	0
220	Genome-wide association meta-analysis of 30,000 samples identifies seven novel loci for quantitative ECG traits. *European Journal of Human Genetics*, **2019**, 27, 952-962	5.3	18
219	Polygenic predisposition to breast cancer and the risk of coronary artery disease. *International Journal of Cardiology*, **2019**, 291, 145-151	3.2	0
218	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. *American Journal of Human Genetics*, **2019**, 105, 15-28	11	12
217	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. *Nature*, **2019**, 570, 71-76	50.4	129
216	Genetic Determinants of Weight Loss After Bariatric Surgery. *Obesity Surgery*, **2019**, 29, 2554-2561	3.7	10
215	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. *Nature Genetics*, **2019**, 51, 804-814	36.3	181
214	The Early Growth Genetics (EGG) and EArly Genetics and Lifecourse Epidemiology (EAGLE) consortia: design, results and future prospects. *European Journal of Epidemiology*, **2019**, 34, 279-300	12.1	18
213	Haploinsufficiency of ARHGAP42 is associated with hypertension. *European Journal of Human Genetics*, **2019**, 27, 1296-1303	5.3	6
212	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. *Nature Medicine*, **2019**, 25, 507-516	50.5	49
211	Associations between birth weight and glucose intolerance in adulthood among Greenlandic Inuit. *Diabetes Research and Clinical Practice*, **2019**, 150, 129-137	7.4	3
210	Association of genetic variants previously implicated in coronary artery disease with age at onset of coronary artery disease requiring revascularizations. *PLoS ONE*, **2019**, 14, e0211690	3.7	2
209	Genetic determinants of blood pressure traits are associated with carotid arterial thickening and plaque formation in patients with type 2 diabetes. *Diabetes and Vascular Disease Research*, **2019**, 16, 13-21	3.3	1
208	Increased frequency of rare missense PPP1R3B variants among Danish patients with type 2 diabetes. *PLoS ONE*, **2019**, 14, e0210114	3.7	6
207	Sequencing reveals protective and pathogenic effects on development of diabetes of rare GLIS3 variants. *PLoS ONE*, **2019**, 14, e0220805	3.7	2

206	A trans-ancestral meta-analysis of genome-wide association studies reveals loci associated with childhood obesity. *Human Molecular Genetics*, **2019**, 28, 3327-3338	5.6	30
205	Genetic predisposition to higher body fat yet lower cardiometabolic risk in children and adolescents. *International Journal of Obesity*, **2019**, 43, 2007-2016	5.5	5
204	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. *BMJ, The*, **2019**, 366, l4292	5.9	23
203	Human pancreatic islet three-dimensional chromatin architecture provides insights into the genetics of type 2 diabetes. *Nature Genetics*, **2019**, 51, 1137-1148	36.3	111
202	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. *Journal of the American College of Cardiology*, **2019**, 73, 3118-3131	15.1	12
201	Phenome-wide association analysis of LDL-cholesterol lowering genetic variants in PCSK9. *BMC Cardiovascular Disorders*, **2019**, 19, 240	2.3	8
200	Linking glycemic dysregulation in diabetes to symptoms, comorbidities, and genetics through EHR data mining. *ELife*, **2019**, 8,	8.9	5
199	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. *Nature Genetics*, **2019**, 51, 452-469	36.3	44
198	Association of alcohol consumption with allergic disease and asthma: a multi-centre Mendelian randomization analysis. *Addiction*, **2019**, 114, 216-225	4.6	7
197	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. *Diabetologia*, **2019**, 62, 292-305	10.3	17
196	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. *American Journal of Human Genetics*, **2019**, 104, 112-138	11	54
195	Genetic Aspects of Non-alcoholic Fatty Liver Disease (NAFLD) **2019**, 195-206		1
194	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. *Diabetes*, **2019**, 68, 502-514	0.9	11
193	Genetic architecture of obesity and related metabolic traits-recent insights from isolated populations. *Current Opinion in Genetics and Development*, **2018**, 50, 74-78	4.9	3
192	Genetic determinants of glycated hemoglobin levels in the Greenlandic Inuit population. *European Journal of Human Genetics*, **2018**, 26, 868-875	5.3	3
191	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nature Genetics*, **2018**, 50, 559-571	36.3	221
190	A Common Allele in FGF21 Associated with Sugar Intake Is Associated with Body Shape, Lower Total Body-Fat Percentage, and Higher Blood Pressure. *Cell Reports*, **2018**, 23, 327-336	10.6	48
189	Prospective Studies Exploring the Possible Impact of an ID3 Polymorphism on Changes in Obesity Measures. *Obesity*, **2018**, 26, 747-754	8	1

188	Re-analysis of public genetic data reveals a rare X-chromosomal variant associated with type 2 diabetes. *Nature Communications*, **2018**, 9, 321	17.4	50
187	Associations of genetic determinants of serum vitamin B12 and folate concentrations with hay fever and asthma: a Mendelian randomization meta-analysis. *European Journal of Clinical Nutrition*, **2018**, 72, 264-271	5.2	6
186	Loss-of-function variants in ADCY3 increase risk of obesity and type 2 diabetes. *Nature Genetics*, **2018**, 50, 172-174	36.3	97
185	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. *Diabetes*, **2018**, 67, 1414-1427	0.9	71
184	Estimating the causal effect of body mass index on hay fever, asthma and lung function using Mendelian randomization. *Allergy: European Journal of Allergy and Clinical Immunology*, **2018**, 73, 153-164	9.3	28
183	Identification of novel high-impact recessively inherited type 2 diabetes risk variants in the Greenlandic population. *Diabetologia*, **2018**, 61, 2005-2015	10.3	11
182	Exome-chip meta-analysis identifies novel loci associated with cardiac conduction, including ADAMTS6. *Genome Biology*, **2018**, 19, 87	18.3	25
181	Common variants in the hERG (KCNH2) voltage-gated potassium channel are associated with altered fasting and glucose-stimulated plasma incretin and glucagon responses. *BMC Genetics*, **2018**, 19, 15	2.6	8
180	Meta-analysis of exome array data identifies six novel genetic loci for lung function. *Wellcome Open Research*, **2018**, 3, 4	4.8	16
179	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nature Genetics*, **2018**, 50, 26-41	36.3	186
178	Genetic risk scores for body fat distribution attenuate weight loss in women during dietary intervention. *International Journal of Obesity*, **2018**, 42, 370-375	5.5	12
177	Identification of novel LEPR mutations in Pakistani families with morbid childhood obesity. *BMC Medical Genetics*, **2018**, 19, 199	2.1	4
176	Genetic Susceptibility for Childhood BMI has no Impact on Weight Loss Following Lifestyle Intervention in Danish Children. *Obesity*, **2018**, 26, 1915-1922	8	7
175	Hypertension genetic risk score is associated with burden of coronary heart disease among patients referred for coronary angiography. *PLoS ONE*, **2018**, 13, e0208645	3.7	6
174	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. *Nature Genetics*, **2018**, 50, 1505-1513	36.3	675
173	First Genome-Wide Association Study of Latent Autoimmune Diabetes in Adults Reveals Novel Insights Linking Immune and Metabolic Diabetes. *Diabetes Care*, **2018**, 41, 2396-2403	14.6	57
172	ExomeChip-Wide Analysis of 95 626 Individuals Identifies 10 Novel Loci Associated With QT and JT Intervals. *Circulation Genomic and Precision Medicine*, **2018**, 11, e001758	5.2	14
171	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. *Nature Communications*, **2018**, 9, 4455	17.4	75

170	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. *Circulation Genomic and Precision Medicine*, **2018**, 11, e002037	5.2	11
169	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. *Cell Metabolism*, **2018**, 28, 159-174.e11	24.6	67
168	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. *Diabetologia*, **2018**, 61, 1769-1779	10.3	8
167	Genetic Variations in the Human G Protein-coupled Receptor Class C, Group 6, Member A (GPRC6A) Control Cell Surface Expression and Function. *Journal of Biological Chemistry*, **2017**, 292, 1524-1534	5.4	16
166	Rare and low-frequency coding variants alter human adult height. *Nature*, **2017**, 542, 186-190	50.4	412
165	Genetic evidence of a causal effect of insulin resistance on branched-chain amino acid levels. *Diabetologia*, **2017**, 60, 873-878	10.3	79
164	Discovery of novel heart rate-associated loci using the Exome Chip. *Human Molecular Genetics*, **2017** , 26, 2346-2363	5.6	17
163	Selection in Europeans on Fatty Acid Desaturases Associated with Dietary Changes. *Molecular Biology and Evolution*, **2017**, 34, 1307-1318	8.3	50
162	Carriers of a enhancer polymorphism selectively binding CHOP/DDIT3 are predisposed to increased circulating levels of thyroid-stimulating hormone. *Journal of Medical Genetics*, **2017**, 54, 166-175	5.8	8
161	A Genome-Wide Association Study of IVGTT-Based Measures of First-Phase Insulin Secretion Refines the Underlying Physiology of Type 2 Diabetes Variants. *Diabetes*, **2017**, 66, 2296-2309	0.9	69
160	FGF21 Is a Sugar-Induced Hormone Associated with Sweet Intake and Preference in Humans. *Cell Metabolism*, **2017**, 25, 1045-1053.e6	24.6	123
159	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. *Nature Communications*, **2017**, 8, 14977	17.4	105
158	The Effect of an Extreme and Prolonged Population Bottleneck on Patterns of Deleterious Variation: Insights from the Greenlandic Inuit. *Genetics*, **2017**, 205, 787-801	4	31
157	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. *Lancet Diabetes and Endocrinology,the*, **2017**, 5, 97-105	18.1	225
156	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. *Diabetes*, **2017**, 66, 2888-2902	8.9	414
155	A Low-Frequency Inactivating Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. *Diabetes*, **2017**, 66, 2019-2032	0.9	29
154	and Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 981-994	12.7	30
153	Genetic determinants of serum vitamin B12 and their relation to body mass index. *European Journal of Epidemiology*, **2017**, 32, 125-134	12.1	22

152	Exome-wide association study of plasma lipids in >300,000 individuals. *Nature Genetics*, **2017**, 49, 1758-1766	36.9	310
151	New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. *Circulation: Cardiovascular Genetics*, **2017**, 10,		33
150	Urinary metabolomics reveals glycemic and coffee associated signatures of thyroid function in two population-based cohorts. *PLoS ONE*, **2017**, 12, e0173078	3.7	15
149	Causal relationship between obesity and serum testosterone status in men: A bi-directional mendelian randomization analysis. *PLoS ONE*, **2017**, 12, e0176277	3.7	47
148	A functional IFN-λ4-generating DNA polymorphism could protect older asthmatic women from aeroallergen sensitization and associate with clinical features of asthma. *Scientific Reports*, **2017**, 7, 10500	4.9	5
147	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. *Nature Communications*, **2017**, 8, 16015	17.4	80
146	Investigating the causal effect of smoking on hay fever and asthma: a Mendelian randomization meta-analysis in the CARTA consortium. *Scientific Reports*, **2017**, 7, 2224	4.9	24
145	Association studies of genetic scores of serum vitamin B12 and folate levels with symptoms of depression and anxiety in two danish population studies. *European Journal of Clinical Nutrition*, **2017**, 71, 1054-1060	5.2	5
144	Numerous Brugada syndrome-associated genetic variants have no effect on J-point elevation, syncope susceptibility, malignant cardiac arrhythmia, and all-cause mortality. *Genetics in Medicine*, **2017**, 19, 521-528	8.1	20
143	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. *Scientific Data*, **2017**, 4, 170179	8.2	22
142	High Prevalence of Diabetes-Predisposing Variants in MODY Genes Among Danish Women With Gestational Diabetes Mellitus. *Journal of the Endocrine Society*, **2017**, 1, 681-690	0.4	23
141	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. *PLoS Genetics*, **2017**, 13, e1006528	6	103
140	A genome-wide association study of thyroid stimulating hormone and free thyroxine in Danish children and adolescents. *PLoS ONE*, **2017**, 12, e0174204	3.7	14
139	Genetic investigations of sudden unexpected deaths in infancy using next-generation sequencing of 100 genes associated with cardiac diseases. *European Journal of Human Genetics*, **2016**, 24, 817-22	5.3	44
138	The association between candidate migraine susceptibility loci and severe migraine phenotype in a clinical sample. *Cephalalgia*, **2016**, 36, 615-23	6.1	18
137	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. *Nature Communications*, **2016**, 7, 13357	17.4	46
136	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. *Nature Genetics*, **2016**, 48, 1151-1161	36.3	181
135	Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies BCL2 and FAM19A2 as Novel Insulin Sensitivity Loci. *Diabetes*, **2016**, 65, 3200-11	0.9	47

134	A genomic approach to therapeutic target validation identifies a glucose-lowering GLP1R variant protective for coronary heart disease. *Science Translational Medicine*, **2016**, 8, 341ra76	17.5	77
133	Increasing insulin resistance accentuates the effect of triglyceride-associated loci on serum triglycerides during 5 years. *Journal of Lipid Research*, **2016**, 57, 2193-2199	6.3	2
132	Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. *Nature Communications*, **2016**, 7, 10531	17.4	99
131	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications*, **2016**, 7, 10495	17.4	180
130	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. *Nature Communications*, **2016**, 7, 10494	17.4	107
129	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. *European Journal of Clinical Nutrition*, **2016**, 70, 613-9	5.2	3
128	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. *Human Molecular Genetics*, **2016**, 25, 389-403	5.6	202
127	Identification of Novel Genetic Determinants of Erythrocyte Membrane Fatty Acid Composition among Greenlanders. *PLoS Genetics*, **2016**, 12, e1006119	6	16
126	Genetic Correlation between Body Fat Percentage and Cardiorespiratory Fitness Suggests Common Genetic Etiology. *PLoS ONE*, **2016**, 11, e0166738	3.7	8
125	The genetic architecture of type 2 diabetes. *Nature*, **2016**, 536, 41-47	50.4	704
124	Meta-analysis of rare and common exome chip variants identifies S1PR4 and other loci influencing blood cell traits. *Nature Genetics*, **2016**, 48, 867-76	36.3	34
123	Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. *American Journal of Human Genetics*, **2016**, 99, 8-21	11	47
122	Genetic risk scores link body fat distribution with specific cardiometabolic profiles. *Obesity*, **2016**, 24, 1778-85	8	2
121	Functional and genetic epidemiological characterisation of the FFAR4 (GPR120) p.R270H variant in the Danish population. *Journal of Medical Genetics*, **2016**, 53, 616-23	5.8	14
120	Variant ASGR1 Associated with a Reduced Risk of Coronary Artery Disease. *New England Journal of Medicine*, **2016**, 374, 2131-41	59.2	94
119	Genetics of Type 2 Diabetes: the Power of Isolated Populations. *Current Diabetes Reports*, **2016**, 16, 65	5.6	17
118	Genome-wide associations for birth weight and correlations with adult disease. *Nature*, **2016**, 538, 248-252	50.4	266
117	Genomewide meta-analysis identifies loci associated with IGF-I and IGFBP-3 levels with impact on age-related traits. *Aging Cell*, **2016**, 15, 811-24	9.9	71

116	Discovery of coding genetic variants influencing diabetes-related serum biomarkers and their impact on risk of type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, E664-71	5.6	17
115	Rare genetic variants previously associated with congenital forms of long QT syndrome have little or no effect on the QT interval. *European Heart Journal*, **2015**, 36, 2523-9	9.5	45
114	Gene-Environment Interactions of Circadian-Related Genes for Cardiometabolic Traits. *Diabetes Care*, **2015**, 38, 1456-66	14.6	36
113	Identification and functional characterization of G6PC2 coding variants influencing glycemic traits define an effector transcript at the G6PC2-ABCB11 locus. *PLoS Genetics*, **2015**, 11, e1004876	6	76
112	Genetic and phenotypic correlations between surrogate measures of insulin release obtained from OGTT data. *Diabetologia*, **2015**, 58, 1006-12	10.3	6
111	A genetic risk score of 45 coronary artery disease risk variants associates with increased risk of myocardial infarction in 6041 Danish individuals. *Atherosclerosis*, **2015**, 240, 305-10	3.1	50
110	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. *Nature Genetics*, **2015**, 47, 1282-1293	36.3	223
109	Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. *Nature Genetics*, **2015**, 47, 1449-1456	36.3	329
108	Genome-wide association studies of human adiposity: Zooming in on synapses. *Molecular and Cellular Endocrinology*, **2015**, 418 Pt 2, 90-100	4.4	7
107	Reduced CD300LG mRNA tissue expression, increased intramyocellular lipid content and impaired glucose metabolism in healthy male carriers of Arg82Cys in CD300LG: a novel genometabolic cross-link between CD300LG and common metabolic phenotypes. *BMJ Open Diabetes Research and Care*, **2015**, 3, e000095	4.5	8
106	Greenlandic Inuit show genetic signatures of diet and climate adaptation. *Science*, **2015**, 349, 1343-7	33.3	298
105	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. *Nature Genetics*, **2015**, 47, 1415-25	36.3	292
104	A glycogene mutation map for discovery of diseases of glycosylation. *Glycobiology*, **2015**, 25, 211-24	5.8	38
103	Habitual sleep duration is associated with BMI and macronutrient intake and may be modified by CLOCK genetic variants. *American Journal of Clinical Nutrition*, **2015**, 101, 135-43	7	75
102	Common variants in LEPR, IL6, AMD1, and NAMPT do not associate with risk of juvenile and childhood obesity in Danes: a case-control study. *BMC Medical Genetics*, **2015**, 16, 105	2.1	7
101	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genetics*, **2015**, 11, e1005378	6	220
100	A Splice Region Variant in LDLR Lowers Non-high Density Lipoprotein Cholesterol and Protects against Coronary Artery Disease. *PLoS Genetics*, **2015**, 11, e1005379	6	17
99	Interactions of Lipid Genetic Risk Scores With Estimates of Metabolic Health in a Danish Population. *Circulation: Cardiovascular Genetics*, **2015**, 8, 465-72		25

98	Uncovering the genetic history of the present-day Greenlandic population. *American Journal of Human Genetics*, **2015**, 96, 54-69	11	61
97	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. *Nature Communications*, **2015**, 6, 5897	17.4	147
96	The type 2 diabetes risk allele of TMEM154-rs6813195 associates with decreased beta cell function in a study of 6,486 Danes. *PLoS ONE*, **2015**, 10, e0120890	3.7	15
95	Comparative Analyses of QTLs Influencing Obesity and Metabolic Phenotypes in Pigs and Humans. *PLoS ONE*, **2015**, 10, e0137356	3.7	15
94	Diabetes in Population Isolates: Lessons from Greenland. *Review of Diabetic Studies*, **2015**, 12, 320-9	3.6	4
93	Identification of low-frequency and rare sequence variants associated with elevated or reduced risk of type 2 diabetes. *Nature Genetics*, **2014**, 46, 294-8	36.3	241
92	MTHFR C677T genotype and cardiovascular risk in a general population without mandatory folic acid fortification. *European Journal of Nutrition*, **2014**, 53, 1549-59	5.2	23
91	Whole-Exome Sequencing of 2,000 Danish Individuals and the Role of Rare Coding Variants in Type 2 Diabetes. *American Journal of Human Genetics*, **2014**, 94, 479	11	78
90	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. *Cell*, **2014**, 156, 343-58	56.2	96
89	A common Greenlandic TBC1D4 variant confers muscle insulin resistance and type 2 diabetes. *Nature*, **2014**, 512, 190-3	50.4	258
88	Loss-of-function mutations in SLC30A8 protect against type 2 diabetes. *Nature Genetics*, **2014**, 46, 357-63	36.3	351
87	Genetic susceptibility to type 2 diabetes and obesity: from genome-wide association studies to rare variants and beyond. *Diabetologia*, **2014**, 57, 1528-41	10.3	135
86	Sex-specific effects of naturally occurring variants in the dopamine receptor D2 locus on insulin secretion and type 2 diabetes susceptibility. *Diabetic Medicine*, **2014**, 31, 1001-8	3.5	10
85	Blood pressure levels in male carriers of Arg82Cys in CD300LG. *PLoS ONE*, **2014**, 9, e109646	3.7	2
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11	Trans-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation		10
10	Rare coding variants in 35 genes associate with circulating lipid levels a multi-ancestry analysis of 170,000 exomes		2
9	A common allele in FGF21 associated with preference for sugar consumption lowers body fat in the lower body and increases blood pressure		2

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