Eric Sijbrands

List of Publications by Year in Descending Order

506 papers	55,054 citations	97 h-index	227 g-index
553 ext. papers	64,787 ext. citations	9.7 avg, IF	6.97 L-index

#	Paper	IF	Citations
506	Interplay of Dinner Timing and MTNR1B Type 2 Diabetes Risk Variant on Glucose Tolerance and Insulin Secretion: A Randomized Crossover Trial.. *Diabetes Care*, **2022**,	14.6	3
505	Response to Comment on Dawed et al. Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. Diabetes Care 2021;44:2673-2682.. *Diabetes Care*, **2022**, 45, e82-e83	14.6	
504	Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits-The Hispanic/Latino Anthropometry Consortium.. *Human Genetics and Genomics Advances*, **2022**, 3, 100099	0.8	0
503	Polygenic scores, diet quality, and type 2 diabetes risk: An observational study among 35,759 adults from 3 US cohorts.. *PLoS Medicine*, **2022**, 19, e1003972	11.6	2
502	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. *Nature Genetics*, **2022**,	36.3	7
501	Extending precision medicine tools to populations at high risk of type 2 diabetes.. *PLoS Medicine*, **2022**, 19, e1003989	11.6	0
500	Genome-wide association analyses highlight etiological differences underlying newly defined subtypes of diabetes. *Nature Genetics*, **2021**, 53, 1534-1542	36.3	7
499	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. *Diabetes Care*, **2021**,	14.6	4
498	The Clinical Genome Resource (ClinGen) Familial Hypercholesterolemia Variant Curation Expert Panel consensus guidelines for LDLR variant classification.. *Genetics in Medicine*, **2021**,	8.1	6
497	Recessive Genome-wide Meta-analysis Illuminates Genetic Architecture of Type 2 Diabetes. *Diabetes*, **2021**,	0.9	0
496	Cross-Laboratory Standardization of Preclinical Lipidomics Using Differential Mobility Spectrometry and Multiple Reaction Monitoring. *Analytical Chemistry*, **2021**,	7.8	8
495	Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. *Diabetes Care*, **2021**, 44, 2673-2682	14.6	5
494	Effects of Sex, Age, and Apolipoprotein E Genotype on Brain Ceramides and Sphingosine-1-Phosphate in Alzheimer© Disease and Control Mice. *Frontiers in Aging Neuroscience*, **2021**, 13, 765252	5.3	1
493	The comparative effect of exposure to various risk factors on the risk of hyperuricaemia: diet has a weak causal effect. *Arthritis Research and Therapy*, **2021**, 23, 75	5.7	5
492	Cardiometabolic risk factors for COVID-19 susceptibility and severity: A Mendelian randomization analysis. *PLoS Medicine*, **2021**, 18, e1003553	11.6	37
491	The impact of non-additive genetic associations on age-related complex diseases. *Nature Communications*, **2021**, 12, 2436	17.4	10
490	Genome-wide gene-diet interaction analysis in the UK Biobank identifies novel effects on hemoglobin A1c. *Human Molecular Genetics*, **2021**, 30, 1773-1783	5.6	3

489	Sequencing cell-free fetal DNA in pregnant women with GCK-MODY: a proof-of-concept study. *Journal of Clinical Endocrinology and Metabolism*, **2021**,	5.6	2
488	Lipoprotein(a) is robustly associated with aortic valve calcium. *Heart*, **2021**, 107, 1422-1428	5.1	5
487	Large-Scale Analysis of Apolipoprotein CIII Glycosylation by Ultrahigh Resolution Mass Spectrometry. *Frontiers in Chemistry*, **2021**, 9, 678883	5	0
486	The trans-ancestral genomic architecture of glycemic traits. *Nature Genetics*, **2021**, 53, 840-860	36.3	44
485	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. *Nature Communications*, **2021**, 12, 3505	17.4	5
484	Genetic Loci and Physiologic Pathways Involved in Gestational Diabetes Mellitus Implicated Through Clustering. *Diabetes*, **2021**, 70, 268-281	0.9	5
483	A Polygenic Score for Type 2 Diabetes Risk Is Associated With Both the Acute and Sustained Response to Sulfonylureas. *Diabetes*, **2021**, 70, 293-300	0.9	5
482	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. *Nature Communications*, **2021**, 12, 24	17.4	30
481	Interaction of diabetes genetic risk and successful lifestyle modification in the Diabetes Prevention Programme. *Diabetes, Obesity and Metabolism*, **2021**, 23, 1030-1040	6.7	3
480	Sharing ICU Patient Data Responsibly Under the Society of Critical Care Medicine/European Society of Intensive Care Medicine Joint Data Science Collaboration: The Amsterdam University Medical Centers Database (AmsterdamUMCdb) Example. *Critical Care Medicine*, **2021**, 49, e563-e577	1.4	18
479	Genetic susceptibility, obesity and lifetime risk of type 2 diabetes: The ARIC study and Rotterdam Study. *Diabetic Medicine*, **2021**, 38, e14639	3.5	2
478	Breakfast partly restores the anti-inflammatory function of high-density lipoproteins from patients with type 2 diabetes mellitus. *Atherosclerosis Plus*, **2021**, 44, 43-43		
477	Genetic analysis of dietary intake identifies new loci and functional links with metabolic traits. *Nature Human Behaviour*, **2021**,	12.8	5
476	Genome-wide Association Study of Lipid Traits in Youth With Type 2 Diabetes. *Journal of the Endocrine Society*, **2021**, 5, bvab139	0.4	0
475	Monogenic Diabetes in Youth With Presumed Type 2 Diabetes: Results From the Progress in Diabetes Genetics in Youth (ProDiGY) Collaboration. *Diabetes Care*, **2021**,	14.6	6
474	The effect of monomeric and oligomeric FLAVAnols in patients with type 2 diabetes and microalbuminuria (FLAVA-trial): A double-blind randomized controlled trial. *Clinical Nutrition*, **2021**, 40, 5587-5594	5.9	0
473	HDL associates with insulin resistance and beta-cell dysfunction in South Asian families at risk of type 2 diabetes. *Journal of Diabetes and Its Complications*, **2021**, 35, 107993	3.2	0
472	A novel integrated QSP model of in vivo human glucose regulation to support the development of a glucagon/GLP-1 dual agonist. *CPT: Pharmacometrics and Systems Pharmacology*, **2021**,	4.5	1

471	Anxiety and depression in diabetes care: longitudinal associations with health-related quality of life. *Scientific Reports*, **2020**, 10, 8307	4.9	7
470	Trajectories of BMI Before Diagnosis of Type 2 Diabetes: The Rotterdam Study. *Obesity*, **2020**, 28, 1149-1156	8	7
469	Association of the IgG -glycome with the course of kidney function in type 2 diabetes. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	11
468	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose. *PLoS ONE*, **2020**, 15, e0230815	3.7	4
467	Genetics of diabetes mellitus and diabetes complications. *Nature Reviews Nephrology*, **2020**, 16, 377-390	14.9	172
466	Health economic evaluation of screening and treating children with familial hypercholesterolemia early in life: Many happy returns on investment?. *Atherosclerosis*, **2020**, 304, 1-8	3.1	11
465	Precision medicine in diabetes: a Consensus Report from the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). *Diabetologia*, **2020**, 63, 1671-1693	10.3	33
464	Precision Medicine in Diabetes: A Consensus Report From the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). *Diabetes Care*, **2020**, 43, 1617-1635	14.6	75
463	Lipoprotein(a) plasma levels are not associated with incident microvascular complications in type 2 diabetes mellitus. *Diabetologia*, **2020**, 63, 1248-1257	10.3	6
462	Comprehensive genomic analysis of dietary habits in UK Biobank identifies hundreds of genetic associations. *Nature Communications*, **2020**, 11, 1467	17.4	25
461	Metformin and statin use associate with plasma protein -glycosylation in people with type 2 diabetes. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	2
460	Mendelian Randomization Study of Obesity and Cerebrovascular Disease. *Annals of Neurology*, **2020**, 87, 516-524	9.4	26
459	Sex difference in the incidence of microvascular complications in patients with type 2 diabetes mellitus: a prospective cohort study. *Acta Diabetologica*, **2020**, 57, 725-732	3.9	3
458	Reducing the Clinical and Public Health Burden of Familial Hypercholesterolemia: A Global Call to Action. *JAMA Cardiology*, **2020**, 5, 217-229	16.2	85
457	Melatonin Effects on Glucose Metabolism: Time To Unlock the Controversy. *Trends in Endocrinology and Metabolism*, **2020**, 31, 192-204	8.8	46
456	Interpreting the Benefit of Simvastatin-Ezetimibe in Patients 75 Years or Older. *JAMA Cardiology*, **2020**, 5, 234	16.2	2
455	The Need for Precision Medicine to be Applied to Diabetes. *Journal of Diabetes Science and Technology*, **2020**, 14, 1122-1128	4.1	7
454	Sex differences in cardiometabolic risk factors, pharmacological treatment and risk factor control in type 2 diabetes: findings from the Dutch Diabetes Pearl cohort. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	6

453	Lifetime risk to progress from pre-diabetes to type 2 diabetes among women and men: comparison between American Diabetes Association and World Health Organization diagnostic criteria. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	4
452	Analysis of Glucocorticoid-Related Genes Reveal as a New Candidate Gene for Type 2 Diabetes. *Journal of the Endocrine Society*, **2020**, 4, bvaa121	0.4	2
451	High prevalence of impaired awareness of hypoglycemia and severe hypoglycemia among people with insulin-treated type 2 diabetes: The Dutch Diabetes Pearl Cohort. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	17
450	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
449	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
448	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
447	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
446	A Polygenic Lipodystrophy Genetic Risk Score Characterizes Risk Independent of BMI in the Diabetes Prevention Program. *Journal of the Endocrine Society*, **2019**, 3, 1663-1677	0.4	6
445	Genetic Risk Scores for Diabetes Diagnosis and Precision Medicine. *Endocrine Reviews*, **2019**, 40, 1500-1520	27.2	94
444	Polyunsaturated Fatty Acid Desaturation Is a Mechanism for Glycolytic NAD Recycling. *Cell Metabolism*, **2019**, 29, 856-870.e7	24.6	42
443	Mendelian Randomization Analysis of Hemoglobin A as a Risk Factor for Coronary Artery Disease. *Diabetes Care*, **2019**, 42, 1202-1208	14.6	17
442	Clinical aspects of transgenerational epigenetics **2019**, 465-483		
441	Predictors and patterns of eating behaviors across childhood: Results from The Generation R study. *Appetite*, **2019**, 141, 104295	4.5	13
440	Novel metabolic indices and incident type 2 diabetes among women and men: the Rotterdam Study. *Diabetologia*, **2019**, 62, 1581-1590	10.3	26
439	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. *Nature Communications*, **2019**, 10, 2581	17.4	31
438	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. *Nature*, **2019**, 570, 71-76	50.4	129
437	Mortality Risk Associated With Truncating Founder Mutations in Titin. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002436	5.2	3
436	Dietary Sargassum fusiforme improves memory and reduces amyloid plaque load in an Alzheimer disease mouse model. *Scientific Reports*, **2019**, 9, 4908	4.9	32

435	The emerging concept of "individualized cholesterol-lowering therapy": A change in paradigm. *Pharmacology & Therapeutics*, **2019**, 199, 111-116	13.9	16
434	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. *Molecular Psychiatry*, **2019**, 24, 1920-1932	15.1	30
433	Dietary antioxidant capacity and risk of type 2 diabetes mellitus, prediabetes and insulin resistance: the Rotterdam Study. *European Journal of Epidemiology*, **2019**, 34, 853-861	12.1	32
432	Statin treatment increases lipoprotein(a) levels in subjects with low molecular weight apolipoprotein(a) phenotype. *Atherosclerosis*, **2019**, 289, 201-205	3.1	24
431	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. *BMJ, The*, **2019**, 366, l4292	5.9	23
430	Genome-wide Association Study of Change in Fasting Glucose over time in 13,807 non-diabetic European Ancestry Individuals. *Scientific Reports*, **2019**, 9, 9439	4.9	3
429	Gain-of-Function Claims for Type-2-Diabetes-Associated Coding Variants in SLC16A11 Are Not Supported by the Experimental Data. *Cell Reports*, **2019**, 29, 778-780	10.6	4
428	Genome-Wide Association Study of Diabetic Kidney Disease Highlights Biology Involved in Glomerular Basement Membrane Collagen. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 2000-2016	12.7	66
427	Metabolite Profiles of Incident Diabetes and Heterogeneity of Treatment Effect in the Diabetes Prevention Program. *Diabetes*, **2019**, 68, 2337-2349	0.9	13
426	The effect of guideline revisions on vascular complications of type 2 diabetes. *Therapeutic Advances in Endocrinology and Metabolism*, **2019**, 10, 2042018819875408	4.5	3
425	The SLC16A11 risk haplotype is associated with decreased insulin action, higher transaminases and large-size adipocytes. *European Journal of Endocrinology*, **2019**, 180, 99-107	6.5	10
424	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. *Nature Genetics*, **2019**, 51, 452-469	36.3	44
423	Genetic Ancestry Markers and Difference in A1c Between African American and White in the Diabetes Prevention Program. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 328-336	5.6	9
422	Translocon Declogger Ste24 Protects against IAPP Oligomer-Induced Proteotoxicity. *Cell*, **2018**, 173, 62-73.e9	56.2	34
421	Transcription factor 7-like 2 gene links increased in vivo insulin synthesis to type 2 diabetes. *EBioMedicine*, **2018**, 30, 295-302	8.8	8
420	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
419	Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 1380-1392	5.6	18
418	Metabolomics insights into early type 2 diabetes pathogenesis and detection in individuals with normal fasting glucose. *Diabetologia*, **2018**, 61, 1315-1324	10.3	66

417	Precision medicine in diabetes: an opportunity for clinical translation. *Annals of the New York Academy of Sciences*, **2018**, 1411, 140-152	6.5	22
416	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
415	Cardiovascular risk in patients with familial hypercholesterolemia using optimal lipid-lowering therapy. *Journal of Clinical Lipidology*, **2018**, 12, 409-416	4.9	23
414	Evaluating the contribution of rare variants to type 2 diabetes and related traits using pedigrees. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 379-384	11.5	21
413	Genetic Variation Augments Incretin Resistance and Influences Response to a Sulfonylurea and Metformin: The Study to Understand the Genetics of the Acute Response to Metformin and Glipizide in Humans (SUGAR-MGH). *Diabetes Care*, **2018**, 41, 554-561	14.6	27
412	Group cognitive behavioural therapy and weight regain after diet in type 2 diabetes: results from the randomised controlled POWER trial. *Diabetologia*, **2018**, 61, 790-799	10.3	11
411	Six-Year Diabetes Incidence After Genetic Risk Testing and Counseling: A Randomized Clinical Trial. *Diabetes Care*, **2018**, 41, e25-e26	14.6	5
410	Genetic Evidence That Carbohydrate-Stimulated Insulin Secretion Leads to Obesity. *Clinical Chemistry*, **2018**, 64, 192-200	5.5	47
409	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. *Diabetes*, **2018**, 67, 1414-1427	0.9	71
408	High Diabetes Distress Among Ethnic Minorities Is Not Explained by Metabolic, Cardiovascular, or Lifestyle Factors: Findings From the Dutch Diabetes Pearl Cohort. *Diabetes Care*, **2018**, 41, 1854-1861	14.6	11
407	Clinical Genetic Testing for Familial Hypercholesterolemia: JACC Scientific Expert Panel. *Journal of the American College of Cardiology*, **2018**, 72, 662-680	15.1	215
406	Use of monomeric and oligomeric flavanols in the dietary management of patients with type 2 diabetes mellitus and microalbuminuria (FLAVA trial): study protocol for a randomized controlled trial. *Trials*, **2018**, 19, 379	2.8	3
405	Reversal of Aging-Induced Increases in Aortic Stiffness by Targeting Cytoskeletal Protein-Protein Interfaces. *Journal of the American Heart Association*, **2018**, 7,	6	14
404	Plasma protein N-glycan signatures of type 2 diabetes. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 2613-2622	4	28
403	Genetic inactivation of ANGPTL4 improves glucose homeostasis and is associated with reduced risk of diabetes. *Nature Communications*, **2018**, 9, 2252	17.4	71
402	Polyunsaturated Fatty Acid Desaturase-Mediated NAD+ Recycling Permits Ongoing Glycolysis and Cell Proliferation. *FASEB Journal*, **2018**, 32, 672.4	0.9	
401	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
400	Genetics and biobanks converge to resolve a vexing knowledge gap in diabetes. *Lancet Diabetes and Endocrinology,the*, **2018**, 6, 87-89	18.1	

399	Challenges and Opportunities for Cancer Predisposition Cascade Screening for Hereditary Breast and Ovarian Cancer and Lynch Syndrome in Switzerland: Findings from an International Workshop. *Public Health Genomics*, **2018**, 21, 121-132	1.9	6
398	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
397	Genetic Determinants of Glycemic Traits and the Risk of Gestational Diabetes Mellitus. *Diabetes*, **2018**, 67, 2703-2709	0.9	17
396	Type 2 diabetes genetic loci informed by multi-trait associations point to disease mechanisms and subtypes: A soft clustering analysis. *PLoS Medicine*, **2018**, 15, e1002654	11.6	180
395	A Global Overview of Precision Medicine in Type 2 Diabetes. *Diabetes*, **2018**, 67, 1911-1922	0.9	52
394	Eating behavior and body composition across childhood: a prospective cohort study. *International Journal of Behavioral Nutrition and Physical Activity*, **2018**, 15, 96	8.4	28
393	ClinVar database of global familial hypercholesterolemia-associated DNA variants. *Human Mutation* , **2018**, 39, 1631-1640	4.7	55
392	Short-term vascular hemodynamic responses to isometric exercise in young adults and in the elderly. *Clinical Interventions in Aging*, **2018**, 13, 509-514	4	7
391	Pleiotropic Effect of Human ApoE4 on Cerebral Ceramide and Saturated Fatty Acid Levels. *Journal of Alzheimerks Disease*, **2017**, 60, 769-781	4.3	3
390	Rare and low-frequency coding variants alter human adult height. *Nature*, **2017**, 542, 186-190	50.4	412
389	Proprotein convertase subtilisin/kexin 9 inhibition in patients with familial hypercholesterolemia: Initial clinical experience. *Journal of Clinical Lipidology*, **2017**, 11, 674-681	4.9	22
388	Pharmacogenetics in type 2 diabetes: precision medicine or discovery tool?. *Diabetologia*, **2017**, 60, 800-807	8.3	41
387	Low-density lipoprotein receptor-negative compound heterozygous familial hypercholesterolemia: Two lifetime journeys of lipid-lowering therapy. *Journal of Clinical Lipidology*, **2017**, 11, 301-305	4.9	3
386	Novel protein biomarkers associated with coronary artery disease in statin-treated patients with familial hypercholesterolemia. *Journal of Clinical Lipidology*, **2017**, 11, 682-693	4.9	18
385	Genetic Variation at the Sulfonylurea Receptor, Type 2 Diabetes, and Coronary Heart Disease. *Diabetes*, **2017**, 66, 2310-2315	0.9	17
384	Effect of diet-induced weight loss on lipoprotein(a) levels in obese individuals with and without type 2 diabetes. *Diabetologia*, **2017**, 60, 989-997	10.3	17
383	Oxidized LDL, Gamma-Glutamyltransferase and Adverse Outcomes in Older Adults. *Journal of the American Geriatrics Society*, **2017**, 65, e77-e82	5.6	1
382	Variation in Maturity-Onset Diabetes of the Young Genes Influence Response to Interventions for Diabetes Prevention. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 2678-2689	5.6	12

381	Low-density lipoprotein receptor mutational analysis in diagnosis of familial hypercholesterolemia. *Current Opinion in Lipidology*, **2017**, 28, 120-129	4.4	26
380	Greater preclinical atherosclerosis in treated monogenic familial hypercholesterolemia vs. polygenic hypercholesterolemia. *Atherosclerosis*, **2017**, 263, 405-411	3.1	47
379	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. *Diabetes*, **2017**, 66, 2888-2902	8.9	414
378	Mining the Genome for Therapeutic Targets. *Diabetes*, **2017**, 66, 1770-1778	0.9	11
377	Thyroid dysfunction in patients with Down syndrome: Results from a multi-institutional registry study. *American Journal of Medical Genetics, Part A*, **2017**, 173, 1539-1545	2.5	19
376	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
375	The anti-inflammatory function of high-density lipoprotein in type II diabetes: A systematic review. *Journal of Clinical Lipidology*, **2017**, 11, 712-724.e5	4.9	19
374	Genetically Driven Hyperglycemia Increases Risk of Coronary Artery Disease Separately From Type 2 Diabetes. *Diabetes Care*, **2017**, 40, 687-693	14.6	34
373	Carotid artery plaques and intima medial thickness in familial hypercholesteraemic patients on long-term statin therapy: A case control study. *Atherosclerosis*, **2017**, 256, 62-66	3.1	14
372	Serum Levels of Apolipoproteins and Incident Type 2 Diabetes: A Prospective Cohort Study. *Diabetes Care*, **2017**, 40, 346-351	14.6	31
371	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. *PLoS Medicine*, **2017**, 14, e1002383	11.6	223
370	A Loss-of-Function Splice Acceptor Variant in Is Protective for Type 2 Diabetes. *Diabetes*, **2017**, 66, 2903-2914	8.9	32
369	A Mendelian Randomization Study of Metabolite Profiles, Fasting Glucose, and Type 2 Diabetes. *Diabetes*, **2017**, 66, 2915-2926	0.9	27
368	Individual and partner© level of occupation and the association with HbA levels in people with Type 2 diabetes mellitus: the Dutch Diabetes Pearl cohort. *Diabetic Medicine*, **2017**, 34, 1623-1628	3.5	3
367	The pharmacogenetics of metformin. *Diabetologia*, **2017**, 60, 1648-1655	10.3	46
366	Metabolomics based markers predict type 2 diabetes in a 14-year follow-up study. *Metabolomics*, **2017**, 13, 104	4.7	50
365	Testing the direction of effects between child body composition and restrictive feeding practices: results from a population-based cohort. *American Journal of Clinical Nutrition*, **2017**, 106, 783-790	7	66
364	Soluble LR11 associates with aortic root calcification in asymptomatic treated male patients with familial hypercholesterolemia. *Atherosclerosis*, **2017**, 265, 299-304	3.1	4

363	IgG glycan patterns are associated with type 2 diabetes in independent European populations. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 2240-2249	4	64
362	Introduction of the DiaGene study: clinical characteristics, pathophysiology and determinants of vascular complications of type 2 diabetes. *Diabetology and Metabolic Syndrome*, **2017**, 9, 47	5.6	11
361	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. *Cell*, **2017**, 170, 199-212.e20	56.2	94
360	ADAMTS13 activity as a novel risk factor for incident type 2 diabetes mellitus: a population-based cohort study. *Diabetologia*, **2017**, 60, 280-286	10.3	11
359	The Genetic Landscape of Renal Complications in Type 1 Diabetes. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 557-574	12.7	69
358	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. *Scientific Data*, **2017**, 4, 170179	8.2	22
357	The Genetic Basis of Type 2 Diabetes in Hispanics and Latin Americans: Challenges and Opportunities. *Frontiers in Public Health*, **2017**, 5, 329	6	18
356	Identification of a novel proinsulin-associated SNP and demonstration that proinsulin is unlikely to be a causal factor in subclinical vascular remodelling using Mendelian randomisation. *Atherosclerosis*, **2017**, 266, 196-204	3.1	2
355	A stable isotope method for in vivo assessment of human insulin synthesis and secretion. *Acta Diabetologica*, **2016**, 53, 935-944	3.9	4
354	Diet-induced weight loss and markers of endothelial dysfunction and inflammation in treated patients with type 2 diabetes. *Clinical Nutrition ESPEN*, **2016**, 15, 101-106	1.3	11
353	Analysis of protein-coding genetic variation in 60,706 humans. *Nature*, **2016**, 536, 285-91	50.4	6940
352	Detecting celiac disease in patients with Down syndrome. *American Journal of Medical Genetics, Part A*, **2016**, 170, 3098-3105	2.5	7
351	Peripheral Blood Transcriptomic Signatures of Fasting Glucose and Insulin Concentrations. *Diabetes* , **2016**, 65, 3794-3804	0.9	18
350	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
349	Prospective functional classification of all possible missense variants in PPARG. *Nature Genetics*, **2016**, 48, 1570-1575	36.3	149
348	An exome array study of the plasma metabolome. *Nature Communications*, **2016**, 7, 12360	17.4	47
347	The clinical value of metabolic syndrome and risks of cardiometabolic events and mortality in the elderly: the Rotterdam study. *Cardiovascular Diabetology*, **2016**, 15, 69	8.7	28
346	Defining severe familial hypercholesterolaemia and the implications for clinical management: a consensus statement from the International Atherosclerosis Society Severe Familial Hypercholesterolemia Panel. *Lancet Diabetes and Endocrinology,the*, **2016**, 4, 850-61	18.1	215

345	Study on inflammation-related genes and microRNAs, with special emphasis on the vascular repair factor HGF and miR-574-3p, in monocytes and serum of patients with T2D. *Diabetology and Metabolic Syndrome*, **2016**, 8, 6	5.6	17
344	Hyperoxia increases arterial oxygen pressure during exercise in type 2 diabetes patients: a feasibility study. *European Journal of Medical Research*, **2016**, 21, 1	4.8	13
343	Precision Medicine in Diabetes: Is It Time?. *Diabetes Care*, **2016**, 39, 1085-8	14.6	31
342	Post-glucose-load urinary C-peptide and glucose concentration obtained during OGTT do not affect oral minimal model-based plasma indices. *Endocrine*, **2016**, 52, 253-62	4	2
341	Relative Contributions of Socioeconomic, Local Environmental, Psychosocial, Lifestyle/Behavioral, Biophysiological, and Ancestral Factors to Racial/Ethnic Disparities in Type 2 Diabetes. *Diabetes Care*, **2016**, 39, 1208-17	14.6	40
340	Trans-ethnic Meta-analysis and Functional Annotation Illuminates the Genetic Architecture of Fasting Glucose and Insulin. *American Journal of Human Genetics*, **2016**, 99, 56-75	11	41
339	Lifestyle and Metformin Ameliorate Insulin Sensitivity Independently of the Genetic Burden of Established Insulin Resistance Variants in Diabetes Prevention Program Participants. *Diabetes*, **2016**, 65, 520-6	0.9	27
338	Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. *Nature Communications*, **2016**, 7, 10531	17.4	99
337	Discriminative Ability of Plasma Branched-Chain Amino Acid Levels for Glucose Intolerance in Families At Risk for Type 2 Diabetes. *Metabolic Syndrome and Related Disorders*, **2016**, 14, 175-81	2.6	5
336	Type 2 Diabetes Genetic Predisposition, Obesity, and All-Cause Mortality Risk in the U.S.: A Multiethnic Analysis. *Diabetes Care*, **2016**, 39, 539-46	14.6	25
335	Metabolite Profiles of Diabetes Incidence and Intervention Response in the Diabetes Prevention Program. *Diabetes*, **2016**, 65, 1424-33	0.9	79
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10	Aetiological differences between novel subtypes of diabetes derived from genetic associations		2
9	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes		4
8	Rare Non-coding Variation Identified by Large Scale Whole Genome Sequencing Reveals Unexplained Heritability of Type 2 Diabetes		2
7	Rare coding variants in 35 genes associate with circulating lipid levels a multi-ancestry analysis of 170,000 exomes		2
6	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
5	Clustering of Type 2 Diabetes Genetic Loci by Multi-Trait Associations Identifies Disease Mechanisms and Subtypes		5
4	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution		1

3	Genetic discovery and translational decision support from exome sequencing of 20,791 type 2 diabetes cases and 24,440 controls from five ancestries	2
2	Comprehensive genomic analysis of dietary habits in UK Biobank identifies hundreds of genetic loci and establishes causal relationships between educational attainment and healthy eating	4
1	The Clinical Genome Resource (ClinGen) Familial Hypercholesterolemia Variant Curation Expert Panel consensus guidelines for LDLR variant classification	1