Martijn van de Bunt

List of Publications by Year
in descending order

55 papers	11,405 citations	117619 34 h-index	149686 56 g-index
67 all docs	67 docs citations	67 times ranked	23304 citing authors

#	Article	IF	Citations
1	Deep learning reveals 3D atherosclerotic plaque distribution and composition. Scientific Reports, 2020, 10, 21523.	3.3	2
2	Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.	27.8	282
3	A Multi-tissue Transcriptome Analysis of Human Metabolites Guides Interpretability of Associations Based on Multi-SNP Models for Gene Expression. American Journal of Human Genetics, 2020, 106, 188-201.	6.2	26
4	Reduced somatostatin signalling leads to hypersecretion of glucagon in mice fed a high-fat diet. Molecular Metabolism, 2020, 40, 101021.	6.5	39
5	Genetic variant effects on gene expression in human pancreatic islets and their implications for T2D. Nature Communications, 2020, 11, 4912.	12.8	89
6	AKR1D1 is a novel regulator of metabolic phenotype in human hepatocytes and is dysregulated in non-alcoholic fatty liver disease. Metabolism: Clinical and Experimental, 2019, 99, 67-80.	3.4	52
7	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. Nature Genetics, 2019, 51, 1596-1606.	21.4	96
8	Diabetes causes marked inhibition of mitochondrial metabolism in pancreatic Î²-cells. Nature Communications, 2019, 10, 2474.	12.8	223
9	Developing a network view of type 2 diabetes risk pathways through integration of genetic, genomic and functional data. Genome Medicine, 2019, 11, 19.	8.2	33
10	Patterns of differential gene expression in a cellular model of human islet development, and relationship to type 2 diabetes predisposition. Diabetologia, 2018, 61, 1614-1622.	6.3	14
11	Characterising cis-regulatory variation in the transcriptome of histologically normal and tumour-derived pancreatic tissues. Gut, 2018, 67, 521-533.	12.1	26
12	Electrophysiological properties of human beta-cell lines EndoC-Î²H1 and -Î²H2 conform with human beta-cells. Scientific Reports, 2018, 8, 16994.	3.3	39
13	Integration of human pancreatic islet genomic data refines regulatory mechanisms at Type 2 Diabetes susceptibility loci. ELife, 2018, 7, .	6.0	103
14	Using an atlas of gene regulation across 44 human tissues to inform complex disease- and trait-associated variation. Nature Genetics, 2018, 50, 956-967.	21.4	389
15	Understanding human fetal pancreas development using subpopulation sorting, RNA sequencing and single-cell profiling. Development (Cambridge), 2018, 145, .	2.5	78
16	Integrative network analysis highlights biological processes underlying GLP-1 stimulated insulin secretion: A DIRECT study. PLoS ONE, 2018, 13, e0189886.	2.5	9
17	Decreased STARD10 Expression Is Associated with Defective Insulin Secretion in Humans and Mice. American Journal of Human Genetics, 2017, 100, 238-256.	6.2	60
18	A Low-Frequency Inactivating AKT2 Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. Diabetes, 2017, 66, 2019-2032.	0.6	47

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19	Dynamic landscape and regulation of RNA editing in mammals. Nature, 2017, 550, 249-254.	27.8	495
20	Genetic effects on gene expression across human tissues. Nature, 2017, 550, 204-213.	27.8	3,500
21	Integrative genomic analysis implicates limited peripheral adipose storage capacity in the pathogenesis of human insulin resistance. Nature Genetics, 2017, 49, 17-26.	21.4	452
22	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. Scientific Data, 2017, 4, 170179.	5.3	31
23	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	27.8	952
24	Systematic Functional Characterization of Candidate Causal Genes for Type 2 Diabetes Risk Variants. Diabetes, 2016, 65, 3805-3811.	0.6	79
25	An alternative effector gene at the type 2 diabetes-associated TCF7L2 locus?. Diabetologia, 2016, 59, 2292-2294.	6.3	7
26	Colocalization of GWAS and eQTL Signals Detects Target Genes. American Journal of Human Genetics, 2016, 99, 1245-1260.	6.2	569
27	Insights into islet development and biology through characterization of a human iPSC-derived endocrine pancreas model. Islets, 2016, 8, 83-95.	1.8	21
28	Reduced Insulin Production Relieves Endoplasmic Reticulum Stress and Induces Î² Cell Proliferation. Cell Metabolism, 2016, 23, 179-193.	16.2	160
29	Discovery and Fine-Mapping of Glycaemic and Obesity-Related Trait Loci Using High-Density Imputation. PLoS Genetics, 2015, 11, e1005230.	3.5	77
30	Transcript Expression Data from Human Islets Links Regulatory Signals from Genome-Wide Association Studies for Type 2 Diabetes and Glycemic Traits to Their Downstream Effectors. PLoS Genetics, 2015, 11, e1005694.	3.5	178
31	Human islet function following 20Âyears of cryogenic biobanking. Diabetologia, 2015, 58, 1503-1512.	6.3	39
32	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. Nature Genetics, 2015, 47, 1415-1425.	21.4	365
33	Isocitrate-to-SENP1 signaling amplifies insulin secretion and rescues dysfunctional Î² cells. Journal of Clinical Investigation, 2015, 125, 3847-3860.	8.2	148
34	Evaluating the Performance of Fine-Mapping Strategies at Common Variant GWAS Loci. PLoS Genetics, 2015, 11, e1005535.	3.5	67
35	Phenotypic severity of homozygous GCK mutations causing neonatal or childhood-onset diabetes is primarily mediated through effects on protein stability. Human Molecular Genetics, 2014, 23, 6432-6440.	2.9	41
36	Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. PLoS Genetics, 2014, 10, e1004123.	3.5	150

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37	Insights into ï¿½-Cell Biology and Type 2 Diabetes Pathogenesis from Studies of the Islet Transcriptome. Frontiers in Diabetes, 2014, , 111-121.	0.4	0
38	Rare variants in PPARG with decreased activity in adipocyte differentiation are associated with increased risk of type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13127-13132.	7.1	152
39	Pancreatic islet enhancer clusters enriched in type 2 diabetes risk-associated variants. Nature Genetics, 2014, 46, 136-143.	21.4	475
40	Argonaute2 Mediates Compensatory Expansion of the Pancreatic Î² Cell. Cell Metabolism, 2014, 19, 122-134.	16.2	139
41	Improved Detection of Common Variants Associated with Schizophrenia by Leveraging Pleiotropy with Cardiovascular-Disease Risk Factors. American Journal of Human Genetics, 2013, 92, 197-209.	6.2	422
42	The miRNA Profile of Human Pancreatic Islets and Beta-Cells and Relationship to Type 2 Diabetes Pathogenesis. PLoS ONE, 2013, 8, e55272.	2.5	178
43	SSTR2 is the functionally dominant somatostatin receptor in human pancreatic Î²- and Î±-cells. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1107-E1116.	3.5	119
44	Extent, Causes, and Consequences of Small RNA Expression Variation in Human Adipose Tissue. PLoS Genetics, 2012, 8, e1002704.	3.5	48
45	Insights Into the Pathogenicity of Rare Missense GCK Variants From the Identification and Functional Characterization of Compound Heterozygous and Double Mutations Inherited in Cis. Diabetes Care, 2012, 35, 1482-1484.	8.6	15
46	PTEN Mutations as a Cause of Constitutive Insulin Sensitivity and Obesity. New England Journal of Medicine, 2012, 367, 1002-1011.	27.0	193
47	Human Î² Cell Transcriptome Analysis Uncovers lncRNAs That Are Tissue-Specific, Dynamically Regulated, and Abnormally Expressed in Type 2 Diabetes. Cell Metabolism, 2012, 16, 435-448.	16.2	410
48	Identification and Functional Characterisation of Novel Glucokinase Mutations Causing Maturity-Onset Diabetes of the Young in Slovakia. PLoS ONE, 2012, 7, e34541.	2.5	22
49	GLUT2 (SLC2A2) is not the principal glucose transporter in human pancreatic beta cells: Implications for understanding genetic association signals at this locus. Molecular Genetics and Metabolism, 2011, 104, 648-653.	1.1	142
50	Discovery of a Novel Site Regulating Glucokinase Activity following Characterization of a New Mutation Causing Hyperinsulinemic Hypoglycemia in Humans. Journal of Biological Chemistry, 2011, 286, 19118-19126.	3.4	21
51	From Genetic Association to Molecular Mechanism. Current Diabetes Reports, 2010, 10, 452-466.	4.2	27
52	Identification of a Novel Î²-Cell Glucokinase (GCK) Promoter Mutation (â^'71G>C) That ModulatesGCKGene Expression Through Loss of Allele-Specific Sp1 Binding Causing Mild Fasting Hyperglycemia in Humans. Diabetes, 2009, 58, 1929-1935.	0.6	34
53	Gene duplications resulting in over expression of glucokinase are not a common cause of hypoglycaemia of infancy in humans. Molecular Genetics and Metabolism, 2008, 94, 268-269.	1.1	3
54	Glucokinase (GCK) and other susceptibility genes for Î²-cell dysfunction: the candidate approach. Biochemical Society Transactions, 2008, 36, 306-311.	3.4	10

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55	Monogenic disorders of the pancreatic Î²-cell: personalizing treatment for rare forms of diabetes and hypoglycemia. Personalized Medicine, 2007, 4, 247-259.	1.5	3