

# Anna L Gloyn

## List of Publications by Year in descending order

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Version: 2024-02-01

161  
papers

21,178  
citations

14655

66  
h-index

10734

138  
g-index

212  
all docs

212  
docs citations

212  
times ranked

22268  
citing authors

#	ARTICLE	IF	CITATIONS
1	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010, 42, 105-116.	21.4	1,982
2	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. <i>Nature Genetics</i> , 2010, 42, 579-589.	21.4	1,631
3	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. <i>Nature Genetics</i> , 2018, 50, 1505-1513.	21.4	1,331
4	Activating Mutations in the Gene Encoding the ATP-Sensitive Potassium-Channel Subunit Kir6.2 and Permanent Neonatal Diabetes. <i>New England Journal of Medicine</i> , 2004, 350, 1838-1849.	27.0	1,077
5	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016, 536, 41-47.	27.8	952
6	Large-Scale Association Studies of Variants in Genes Encoding the Pancreatic $\beta$ -Cell KATP Channel Subunits Kir6.2 (KCNJ11) and SUR1 (ABCC8) Confirm That the KCNJ11 E23K Variant Is Associated With Type 2 Diabetes. <i>Diabetes</i> , 2003, 52, 568-572.	0.6	688
7	Pancreatic islet enhancer clusters enriched in type 2 diabetes risk-associated variants. <i>Nature Genetics</i> , 2014, 46, 136-143.	21.4	475
8	Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. <i>PLoS Genetics</i> , 2012, 8, e1002607.	3.5	419
9	Human $\beta$ Cell Transcriptome Analysis Uncovers lncRNAs That Are Tissue-Specific, Dynamically Regulated, and Abnormally Expressed in Type 2 Diabetes. <i>Cell Metabolism</i> , 2012, 16, 435-448.	16.2	410
10	Mutations in PTF1A cause pancreatic and cerebellar agenesis. <i>Nature Genetics</i> , 2004, 36, 1301-1305.	21.4	405
11	Update on mutations in glucokinase ( <i>GCK</i> ), which cause maturity-onset diabetes of the young, permanent neonatal diabetes, and hyperinsulinemic hypoglycemia. <i>Human Mutation</i> , 2009, 30, 1512-1526.	2.5	403
12	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , 2015, 47, 1415-1425.	21.4	365
13	Permanent Neonatal Diabetes due to Mutations in <i>KCNJ11</i> Encoding Kir6.2. <i>Diabetes</i> , 2004, 53, 2713-2718.	0.6	350
14	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021, 53, 840-860.	21.4	341
15	Genome-Wide Association Identifies Nine Common Variants Associated With Fasting Proinsulin Levels and Provides New Insights Into the Pathophysiology of Type 2 Diabetes. <i>Diabetes</i> , 2011, 60, 2624-2634.	0.6	335
16	The P446L variant in GCKR associated with fasting plasma glucose and triglyceride levels exerts its effect through increased glucokinase activity in liver. <i>Human Molecular Genetics</i> , 2009, 18, 4081-4088.	2.9	328
17	Mutations in ATP-Sensitive K <sup>+</sup> Channel Genes Cause Transient Neonatal Diabetes and Permanent Diabetes in Childhood or Adulthood. <i>Diabetes</i> , 2007, 56, 1930-1937.	0.6	320
18	Identification of type 2 diabetes loci in 433,540 East Asian individuals. <i>Nature</i> , 2020, 582, 240-245.	27.8	282

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19	Global microRNA expression profiles in insulin target tissues in a spontaneous rat model of type 2 diabetes. <i>Diabetologia</i> , 2010, 53, 1099-1109.	6.3	261
20	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. <i>Nature Genetics</i> , 2022, 54, 560-572.	21.4	250
21	Glucokinase ( <i>GCK</i> ) mutations in hyper- and hypoglycemia: Maturity-onset diabetes of the young, permanent neonatal diabetes, and hyperinsulinemia of infancy. <i>Human Mutation</i> , 2003, 22, 353-362.	2.5	249
22	Molecular basis of Kir6.2 mutations associated with neonatal diabetes or neonatal diabetes plus neurological features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17539-17544.	7.1	223
23	Mutations in <i>KCNJ11</i> , which encodes Kir6.2, are a common cause of diabetes diagnosed in the first 6 months of life, with the phenotype determined by genotype. <i>Diabetologia</i> , 2006, 49, 1190-1197.	6.3	221
24	Recognition and Management of Individuals With Hyperglycemia Because of a Heterozygous Glucokinase Mutation. <i>Diabetes Care</i> , 2015, 38, 1383-1392.	8.6	217
25	Update of mutations in the genes encoding the pancreatic beta-cell K <sup>ATP</sup> channel subunits Kir6.2 ( <i>KCNJ11</i> ) and sulfonylurea receptor 1 ( <i>ABCC8</i> ) in diabetes mellitus and hyperinsulinism. <i>Human Mutation</i> , 2009, 30, 170-180.	2.5	209
26	Reduced Insulin Exocytosis in Human Pancreatic $\beta$ -Cells With Gene Variants Linked to Type 2 Diabetes. <i>Diabetes</i> , 2012, 61, 1726-1733.	0.6	204
27	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. <i>PLoS ONE</i> , 2012, 7, e29202.	2.5	197
28	<i>PTEN</i> Mutations as a Cause of Constitutive Insulin Sensitivity and Obesity. <i>New England Journal of Medicine</i> , 2012, 367, 1002-1011.	27.0	193
29	Relapsing diabetes can result from moderately activating mutations in <i>KCNJ11</i> . <i>Human Molecular Genetics</i> , 2005, 14, 925-934.	2.9	184
30	Role of KATP Channels in Glucose-Regulated Glucagon Secretion and Impaired Counterregulation in Type 2 Diabetes. <i>Cell Metabolism</i> , 2013, 18, 871-882.	16.2	179
31	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. <i>PLoS Genetics</i> , 2015, 11, e1005694.	3.5	178
32	The miRNA Profile of Human Pancreatic Islets and Beta-Cells and Relationship to Type 2 Diabetes Pathogenesis. <i>PLoS ONE</i> , 2013, 8, e55272.	2.5	178
33	Kir6.2 Mutations Are a Common Cause of Permanent Neonatal Diabetes in a Large Cohort of French Patients. <i>Diabetes</i> , 2004, 53, 2719-2722.	0.6	171
34	Association studies of variants in promoter and coding regions of beta-cell ATP-sensitive K-channel genes <i>SUR1</i> and <i>Kir6.2</i> with Type 2 diabetes mellitus (UKPDS $\hat{€}$ 53). <i>Diabetic Medicine</i> , 2001, 18, 206-212.	2.3	150
35	Insights Into the Biochemical and Genetic Basis of Glucokinase Activation From Naturally Occurring Hypoglycemia Mutations. <i>Diabetes</i> , 2003, 52, 2433-2440.	0.6	150
36	Isocitrate-to-SEN1 signaling amplifies insulin secretion and rescues dysfunctional $\beta$ cells. <i>Journal of Clinical Investigation</i> , 2015, 125, 3847-3860.	8.2	148

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37	Regulatory variants at KLF14 influence type 2 diabetes risk via a female-specific effect on adipocyte size and body composition. <i>Nature Genetics</i> , 2018, 50, 572-580.	21.4	143
38	GLUT2 (SLC2A2) is not the principal glucose transporter in human pancreatic beta cells: Implications for understanding genetic association signals at this locus. <i>Molecular Genetics and Metabolism</i> , 2011, 104, 648-653.	1.1	142
39	Argonaute2 Mediates Compensatory Expansion of the Pancreatic $\beta^2$ Cell. <i>Cell Metabolism</i> , 2014, 19, 122-134.	16.2	139
40	KCNJ11 activating mutations are associated with developmental delay, epilepsy and neonatal diabetes syndrome and other neurological features. <i>European Journal of Human Genetics</i> , 2006, 14, 824-830.	2.8	134
41	Translational genomics and precision medicine: Moving from the lab to the clinic. <i>Science</i> , 2019, 365, 1409-1413.	12.6	133
42	KCNJ11 activating mutations in Italian patients with permanent neonatal diabetes. <i>Human Mutation</i> , 2005, 25, 22-27.	2.5	131
43	A Putative Functional Polymorphism in the IGF-I Gene: Association Studies With Type 2 Diabetes, Adult Height, Glucose Tolerance, and Fetal Growth in U.K. Populations. <i>Diabetes</i> , 2002, 51, 2313-2316.	0.6	129
44	SSTR2 is the functionally dominant somatostatin receptor in human pancreatic $\beta^2$ - and $\beta^1$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1107-E1116.	3.5	119
45	Precision medicine in the management of type 2 diabetes. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 891-900.	11.4	115
46	Insights Into the Molecular Mechanism for Type 2 Diabetes Susceptibility at the <i>KCNQ1</i> Locus From Temporal Changes in Imprinting Status in Human Islets. <i>Diabetes</i> , 2013, 62, 987-992.	0.6	112
47	Comprehensive Human Adipose Tissue mRNA and MicroRNA Endogenous Control Selection for Quantitative Real-time PCR Normalization. <i>Obesity</i> , 2011, 19, 888-892.	3.0	108
48	Mutations in the genes encoding the pancreatic beta-cell K <sup>ATP</sup> channel subunits Kir6.2 ( <i>KCNJ11</i> ) and SUR1 ( <i>ABCC8</i> ) in diabetes mellitus and hyperinsulinism. <i>Human Mutation</i> , 2006, 27, 220-231.	2.5	105
49	A large multi-centre European study validates high-sensitivity C-reactive protein (hsCRP) as a clinical biomarker for the diagnosis of diabetes subtypes. <i>Diabetologia</i> , 2011, 54, 2801-2810.	6.3	105
50	Coexpression of the Type 2 Diabetes Susceptibility Gene Variants <i>KCNJ11</i> E23K and <i>ABCC8</i> S1369A Alter the ATP and Sulfonylurea Sensitivities of the ATP-Sensitive K <sup>+</sup> Channel. <i>Diabetes</i> , 2009, 58, 2419-2424.	0.6	104
51	Assessment of High-Sensitivity C-Reactive Protein Levels as Diagnostic Discriminator of Maturity-Onset Diabetes of the Young Due to <i>HNF1A</i> Mutations. <i>Diabetes Care</i> , 2010, 33, 1919-1924.	8.6	103
52	Integration of human pancreatic islet genomic data refines regulatory mechanisms at Type 2 Diabetes susceptibility loci. <i>ELife</i> , 2018, 7, .	6.0	103
53	A gating mutation at the internal mouth of the Kir6.2 pore is associated with DEND syndrome. <i>EMBO Reports</i> , 2005, 6, 470-475.	4.5	99
54	Activating glucokinase (GCK) mutations as a cause of medically responsive congenital hyperinsulinism: prevalence in children and characterisation of a novel GCK mutation.. <i>European Journal of Endocrinology</i> , 2008, 159, 27-34.	3.7	97

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55	Cellular characterisation of the GCKR P446L variant associated with type 2 diabetes risk. <i>Diabetologia</i> , 2012, 55, 114-122.	6.3	97
56	Mutations in <i>HNF1A</i> Result in Marked Alterations of Plasma Glycan Profile. <i>Diabetes</i> , 2013, 62, 1329-1337.	0.6	97
57	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. <i>Nature Genetics</i> , 2019, 51, 1596-1606.	21.4	96
58	Identification and Functional Characterization of G6PC2 Coding Variants Influencing Glycemic Traits Define an Effector Transcript at the G6PC2-ABCB11 Locus. <i>PLoS Genetics</i> , 2015, 11, e1004876.	3.5	95
59	Glucokinase regulatory protein. <i>Current Opinion in Lipidology</i> , 2015, 26, 88-95.	2.7	94
60	High-Sensitivity CRP Discriminates HNF1A-MODY From Other Subtypes of Diabetes. <i>Diabetes Care</i> , 2011, 34, 1860-1862.	8.6	90
61	Insights into pancreatic islet cell dysfunction from type 2 diabetes mellitus genetics. <i>Nature Reviews Endocrinology</i> , 2020, 16, 202-212.	9.6	89
62	Genetic variant effects on gene expression in human pancreatic islets and their implications for T2D. <i>Nature Communications</i> , 2020, 11, 4912.	12.8	89
63	Permanent Neonatal Diabetes due to Paternal Germline Mosaicism for an Activating Mutation of the KCNJ11 Gene Encoding the Kir6.2 Subunit of the $\beta$ -Cell Potassium Adenosine Triphosphate Channel. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 3932-3935.	3.6	87
64	Insights into the Structure and Regulation of Glucokinase from a Novel Mutation (V62M), Which Causes Maturity-onset Diabetes of the Young. <i>Journal of Biological Chemistry</i> , 2005, 280, 14105-14113.	3.4	87
65	Systematic Functional Characterization of Candidate Causal Genes for Type 2 Diabetes Risk Variants. <i>Diabetes</i> , 2016, 65, 3805-3811.	0.6	79
66	Understanding human fetal pancreas development using subpopulation sorting, RNA sequencing and single-cell profiling. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	78
67	Endocrine-Exocrine Signaling Drives Obesity-Associated Pancreatic Ductal Adenocarcinoma. <i>Cell</i> , 2020, 181, 832-847.e18.	28.9	77
68	Monogenic diabetes: a gateway to precision medicine in diabetes. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	77
69	Species-Specific Differences in the Expression of the HNF1A, HNF1B and HNF4A Genes. <i>PLoS ONE</i> , 2009, 4, e7855.	2.5	67
70	Decreased STARD10 Expression Is Associated with Defective Insulin Secretion in Humans and Mice. <i>American Journal of Human Genetics</i> , 2017, 100, 238-256.	6.2	60
71	Type 2 diabetes risk alleles in PAM impact insulin release from human pancreatic $\beta$ -cells. <i>Nature Genetics</i> , 2018, 50, 1122-1131.	21.4	59
72	Heterogeneity in disease severity in a family with a novel G68V GCK activating mutation causing persistent hyperinsulinaemic hypoglycaemia of infancy. <i>Diabetic Medicine</i> , 2007, 24, 1393-1399.	2.3	58

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73	Type 2 Diabetes Susceptibility Gene <i>TCF7L2</i> and Its Role in $\beta$ -Cell Function. <i>Diabetes</i> , 2009, 58, 800-802.	0.6	58
74	The search for type 2 diabetes genes. <i>Ageing Research Reviews</i> , 2003, 2, 111-127.	10.9	57
75	The genetics of type 2 diabetes. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2001, 15, 293-308.	4.7	56
76	Origin of de Novo KCNJ11 Mutations and Risk of Neonatal Diabetes for Subsequent Siblings. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 1773-1777.	3.6	52
77	Activating Mutations in the KCNJ11 Gene Encoding the ATP-Sensitive K <sup>+</sup> Channel Subunit Kir6.2 Are Rare in Clinically Defined Type 1 Diabetes Diagnosed Before 2 Years. <i>Diabetes</i> , 2004, 53, 2998-3001.	0.6	51
78	Permanent neonatal diabetes in an Asian infant. <i>Journal of Pediatrics</i> , 2005, 146, 131-133.	1.8	51
79	Permanent Neonatal Diabetes Mellitus Caused by a Novel Homozygous (T168A) Glucokinase (GCK) Mutation: Initial Response to Oral Sulphonylurea Therapy. <i>Journal of Pediatrics</i> , 2008, 153, 122-126.	1.8	46
80	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. <i>Cell Reports</i> , 2021, 37, 109807.	6.4	45
81	Plasma Fucosylated Glycans and C-Reactive Protein as Biomarkers of HNF1A-MODY in Young Adult Onset Nonautoimmune Diabetes. <i>Diabetes Care</i> , 2019, 42, 17-26.	8.6	44
82	Phenotypic severity of homozygous GCK mutations causing neonatal or childhood-onset diabetes is primarily mediated through effects on protein stability. <i>Human Molecular Genetics</i> , 2014, 23, 6432-6440.	2.9	41
83	Correlation of rare coding variants in the gene encoding human glucokinase regulatory protein with phenotypic, cellular, and kinetic outcomes. <i>Journal of Clinical Investigation</i> , 2012, 122, 205-217.	8.2	41
84	Human islet function following 20 years of cryogenic biobanking. <i>Diabetologia</i> , 2015, 58, 1503-1512.	6.3	39
85	Electrophysiological properties of human beta-cell lines EndoC- $\beta$ H1 and - $\beta$ H2 conform with human beta-cells. <i>Scientific Reports</i> , 2018, 8, 16994.	3.3	39
86	Loss-of-Function Mutations in the Cell-Cycle Control Gene <i>CDKN2A</i> Impact on Glucose Homeostasis in Humans. <i>Diabetes</i> , 2016, 65, 527-533.	0.6	38
87	Evaluation of Serum 1,5 Anhydroglucitol Levels as a Clinical Test to Differentiate Subtypes of Diabetes. <i>Diabetes Care</i> , 2010, 33, 252-257.	8.6	37
88	A Partial Loss-of-Function Variant in <i>AKT2</i> Is Associated With Reduced Insulin-Mediated Glucose Uptake in Multiple Insulin-Sensitive Tissues: A Genotype-Based Callback Positron Emission Tomography Study. <i>Diabetes</i> , 2018, 67, 334-342.	0.6	37
89	Identification of a Novel $\beta$ -Cell Glucokinase ( <i>GCK</i> ) Promoter Mutation ( $\beta$ 71G>C) That Modulates <i>GCK</i> Gene Expression Through Loss of Allele-Specific Sp1 Binding Causing Mild Fasting Hyperglycemia in Humans. <i>Diabetes</i> , 2009, 58, 1929-1935.	0.6	34
90	Developing a network view of type 2 diabetes risk pathways through integration of genetic, genomic and functional data. <i>Genome Medicine</i> , 2019, 11, 19.	8.2	33

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91	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , 2017, 4, 170179.	5.3	31
92	Analysis of Differentiation Protocols Defines a Common Pancreatic Progenitor Molecular Signature and Guides Refinement of Endocrine Differentiation. <i>Stem Cell Reports</i> , 2020, 14, 138-153.	4.8	31
93	The pancreatic $\beta^2$ cell: recent insights from human genetics. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 425-434.	7.1	29
94	Deep learning models predict regulatory variants in pancreatic islets and refine type 2 diabetes association signals. <i>ELife</i> , 2020, 9, .	6.0	28
95	Maturity-Onset Diabetes of the Young Caused by a Balanced Translocation Where the 20q12 Break Point Results in Disruption Upstream of the Coding Region of Hepatocyte Nuclear Factor-4A (HNF4A) Gene. <i>Diabetes</i> , 2002, 51, 2329-2333.	0.6	27
96	From Genetic Association to Molecular Mechanism. <i>Current Diabetes Reports</i> , 2010, 10, 452-466.	4.2	27
97	Apolipoprotein M can discriminate $\beta$ -HNF1A from Type 1 diabetes. <i>Diabetic Medicine</i> , 2013, 30, 246-250.	2.3	27
98	From Genetic Association to Molecular Mechanisms for Islet-cell Dysfunction in Type 2 Diabetes. <i>Journal of Molecular Biology</i> , 2020, 432, 1551-1578.	4.2	27
99	Prevalence of GCK mutations in individuals screened for fasting hyperglycaemia. <i>Diabetologia</i> , 2009, 52, 172-174.	6.3	26
100	Small molecular glucokinase activators: has another new anti-diabetic therapeutic lost favour?. <i>British Journal of Pharmacology</i> , 2013, 168, 335-338.	5.4	25
101	Prioritising Causal Genes at Type 2 Diabetes Risk Loci. <i>Current Diabetes Reports</i> , 2017, 17, 76.	4.2	25
102	Unsupervised Clustering of Missense Variants in HNF1A Using Multidimensional Functional Data Aids Clinical Interpretation. <i>American Journal of Human Genetics</i> , 2020, 107, 670-682.	6.2	25
103	Naturally Occurring Glucokinase Mutations Are Associated with Defects in Posttranslational S-Nitrosylation. <i>Molecular Endocrinology</i> , 2010, 24, 171-177.	3.7	24
104	A tale of two glucose transporters: how GLUT2 re-emerged as a contender for glucose transport into the human beta cell. <i>Diabetologia</i> , 2012, 55, 2312-2315.	6.3	24
105	Severe Insulin Resistance and Intrauterine Growth Deficiency Associated With Haploinsufficiency for <i>INSR</i> and <i>CHN2</i> . <i>Diabetes</i> , 2009, 58, 2954-2961.	0.6	23
106	Variation across the allele frequency spectrum. <i>Nature Genetics</i> , 2010, 42, 648-650.	21.4	23
107	A Multi-omic Integrative Scheme Characterizes Tissues of Action at Loci Associated with Type 2 Diabetes. <i>American Journal of Human Genetics</i> , 2020, 107, 1011-1028.	6.2	23
108	Asian MODY: are we missing an important diagnosis?. <i>Diabetic Medicine</i> , 2006, 23, 1257-1260.	2.3	22



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109	Defining the genetic aetiology of monogenic diabetes can improve treatment. <i>Expert Opinion on Pharmacotherapy</i> , 2006, 7, 1759-1767.	1.8	22
110	Cell Biology Assessment of Glucokinase Mutations V62M and G72R in Pancreatic $\beta$ -Cells: Evidence for Cellular Instability of Catalytic Activity. <i>Diabetes</i> , 2007, 56, 1773-1782.	0.6	22
111	Identification and Functional Characterisation of Novel Glucokinase Mutations Causing Maturity-Onset Diabetes of the Young in Slovakia. <i>PLoS ONE</i> , 2012, 7, e34541.	2.5	22
112	Discovery of a Novel Site Regulating Glucokinase Activity following Characterization of a New Mutation Causing Hyperinsulinemic Hypoglycemia in Humans. <i>Journal of Biological Chemistry</i> , 2011, 286, 19118-19126.	3.4	21
113	TCF7L2 and Diabetes: A Tale of Two Tissues, and of Two Species. <i>Cell Metabolism</i> , 2013, 17, 157-159.	16.2	21
114	Inheritance of rare functional GCKR variants and their contribution to triglyceride levels in families. <i>Human Molecular Genetics</i> , 2014, 23, 5570-5578.	2.9	21
115	Insights into islet development and biology through characterization of a human iPSC-derived endocrine pancreas model. <i>Islets</i> , 2016, 8, 83-95.	1.8	21
116	A CRISPR/Cas9 genome editing pipeline in the EndoC- $\beta$ H1 cell line to study genes implicated in beta cell function. <i>Wellcome Open Research</i> , 2019, 4, 150.	1.8	21
117	When is it MODY? Challenges in the Interpretation of Sequence Variants in MODY Genes. <i>Review of Diabetic Studies</i> , 2015, 12, 330-348.	1.3	21
118	Analysis of the co-operative interaction between the allosterically regulated proteins GK and GKRP using tryptophan fluorescence. <i>Biochemical Journal</i> , 2014, 459, 551-564.	3.7	19
119	Human genetics as a model for target validation: finding new therapies for diabetes. <i>Diabetologia</i> , 2017, 60, 960-970.	6.3	19
120	NKX6.1 induced pluripotent stem cell reporter lines for isolation and analysis of functionally relevant neuronal and pancreas populations. <i>Stem Cell Research</i> , 2018, 29, 220-231.	0.7	18
121	Relationship between E23K (an established type II diabetes-susceptibility variant within KCNJ11), polycystic ovary syndrome and androgen levels. <i>European Journal of Human Genetics</i> , 2007, 15, 679-684.	2.8	17
122	Maturity onset diabetes of the young due to HNF1A variants in Croatia. <i>Biochemia Medica</i> , 2018, 28, 020703.	2.7	17
123	Metabolic Profiling in Maturity-Onset Diabetes of the Young (MODY) and Young Onset Type 2 Diabetes Fails to Detect Robust Urinary Biomarkers. <i>PLoS ONE</i> , 2012, 7, e40962.	2.5	16
124	A CRISPR/Cas9 genome editing pipeline in the EndoC- $\beta$ H1 cell line to study genes implicated in beta cell function. <i>Wellcome Open Research</i> , 2019, 4, 150.	1.8	16
125	The role of the HNF4 $\beta$ enhancer in type 2 diabetes. <i>Molecular Genetics and Metabolism</i> , 2002, 76, 148-151.	1.1	15
126	The previously reported T342P GCK missense variant is not a pathogenic mutation causing MODY. <i>Diabetologia</i> , 2011, 54, 2202-2205.	6.3	15



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127	Insights Into the Pathogenicity of Rare Missense <i>GCK</i> Variants From the Identification and Functional Characterization of Compound Heterozygous and Double Mutations Inherited in <i>Cis</i> . <i>Diabetes Care</i> , 2012, 35, 1482-1484.	8.6	15
128	Genes Associated with Pancreas Development and Function Maintain Open Chromatin in iPSCs Generated from Human Pancreatic Beta Cells. <i>Stem Cell Reports</i> , 2017, 9, 1395-1405.	4.8	15
129	Quantitative traits associated with the Type 2 diabetes susceptibility allele in <i>Kir6.2</i> . <i>Diabetologia</i> , 2003, 46, 1021-1023.	6.3	14
130	Patterns of differential gene expression in a cellular model of human islet development, and relationship to type 2 diabetes predisposition. <i>Diabetologia</i> , 2018, 61, 1614-1622.	6.3	14
131	Assessment of the Role of Common Genetic Variation in the Transient Neonatal Diabetes Mellitus (TNDM) Region in Type 2 Diabetes: A Comparative Genomic and Tagging Single Nucleotide Polymorphism Approach. <i>Diabetes</i> , 2006, 55, 2272-2276.	0.6	13
132	Fostering improved human islet research: a European perspective. <i>Diabetologia</i> , 2019, 62, 1514-1516.	6.3	13
133	Homozygous Hypomorphic <i>HNF1A</i> Alleles Are a Novel Cause of Young-Onset Diabetes and Result in Sulfonylurea-Sensitive Diabetes. <i>Diabetes Care</i> , 2020, 43, 909-912.	8.6	13
134	Genetics of Type 2 Diabetes: Opportunities for Precision Medicine. <i>Journal of the American College of Cardiology</i> , 2021, 78, 496-512.	2.8	12
135	Prevalence and clinical characteristics of maternally inherited diabetes and deafness caused by the mt3243A>G mutation in young adult diabetic subjects in Sri Lanka. <i>Diabetic Medicine</i> , 2008, 25, 370-374.	2.3	11
136	Glucokinase ( <i>GCK</i> ) and other susceptibility genes for $\beta^2$ -cell dysfunction: the candidate approach. <i>Biochemical Society Transactions</i> , 2008, 36, 306-311.	3.4	10
137	Bridging the Gap Between Genetic Associations and Molecular Mechanisms for Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2013, 13, 778-785.	4.2	10
138	Genome-edited human stem cell-derived beta cells: a powerful tool for drilling down on type 2 diabetes GWAS biology. <i>F1000Research</i> , 2016, 5, 1711.	1.6	10
139	Monogenic $\beta^2$ -cell dysfunction in children: clinical phenotypes, genetic etiology and mutational pathways. <i>Pediatric Health</i> , 2008, 2, 517-532.	0.3	9
140	Genetics: how the UKPDS contributed to determining the genetic landscape of Type 2 diabetes. <i>Diabetic Medicine</i> , 2008, 25, 35-40.	2.3	8
141	Insights into metabolic disease from studying genetics in isolated populations: stories from Greece to Greenland. <i>Diabetologia</i> , 2016, 59, 938-941.	6.3	8
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