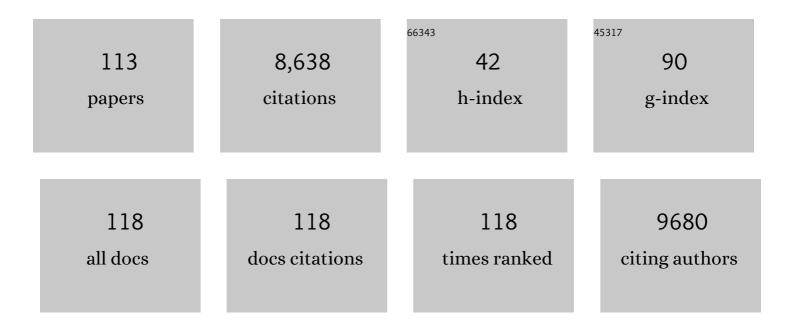
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/14216/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Tissue-Specific Knockout of the Insulin Receptor in Pancreatic \hat{I}^2 Cells Creates an Insulin Secretory Defect Similar to that in Type 2 Diabetes. Cell, 1999, 96, 329-339.	28.9	1,093
2	Loss of Insulin Signaling in Hepatocytes Leads to Severe Insulin Resistance and Progressive Hepatic Dysfunction. Molecular Cell, 2000, 6, 87-97.	9.7	1,077
3	Loss of ARNT/HIF1β Mediates Altered Gene Expression and Pancreatic-Islet Dysfunction in Human Type 2 Diabetes. Cell, 2005, 122, 337-349.	28.9	460
4	β-cell–specific deletion of the Igf1 receptor leads to hyperinsulinemia and glucose intolerance but does not alter β-cell mass. Nature Genetics, 2002, 31, 111-115.	21.4	345
5	Insulin Signaling in α Cells Modulates Glucagon Secretion In Vivo. Cell Metabolism, 2009, 9, 350-361.	16.2	271
6	Insulin receptors in beta-cells are critical for islet compensatory growth response to insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8977-8982.	7.1	260
7	Altered function of insulin receptor substrate-1–deficient mouse islets and cultured β-cell lines. Journal of Clinical Investigation, 1999, 104, R69-R75.	8.2	246
8	PDX-1 haploinsufficiency limits the compensatory islet hyperplasia that occurs in response to insulin resistance. Journal of Clinical Investigation, 2004, 114, 828-836.	8.2	236
9	Human \hat{I}^2 -Cell Proliferation and Intracellular Signaling. Diabetes, 2012, 61, 2205-2213.	0.6	208
10	SerpinB1 Promotes Pancreatic \hat{I}^2 Cell Proliferation. Cell Metabolism, 2016, 23, 194-205.	16.2	177
11	m6A mRNA methylation regulates human β-cell biology in physiological states and in type 2 diabetes. Nature Metabolism, 2019, 1, 765-774.	11.9	158
12	Inhibition of DYRK1A Stimulates Human β-Cell Proliferation. Diabetes, 2016, 65, 1660-1671.	0.6	157
13	Insulin Resistance Alters Islet Morphology in Nondiabetic Humans. Diabetes, 2014, 63, 994-1007.	0.6	152
14	Roles of Insulin Receptor Substrate-1, Phosphatidylinositol 3-Kinase, and Release of Intracellular Ca2+ Stores in Insulin-stimulated Insulin Secretion in β-Cells. Journal of Biological Chemistry, 2000, 275, 22331-22338.	3.4	149
15	Glucose Effects on Beta-Cell Growth and Survival Require Activation of Insulin Receptors and Insulin Receptor Substrate 2. Molecular and Cellular Biology, 2009, 29, 3219-3228.	2.3	138
16	Liver-Derived Systemic Factors Drive β Cell Hyperplasia in Insulin-Resistant States. Cell Reports, 2013, 3, 401-410.	6.4	123
17	Human Î ² -Cell Proliferation and Intracellular Signaling: Part 3. Diabetes, 2015, 64, 1872-1885.	0.6	120
18	Differential Roles of Insulin and IGF-1 Receptors in Adipose Tissue Development and Function. Diabetes,	0.6	114

2016, 65, 2201-2213.

14

#	Article	IF	CITATIONS
19	Derivation of Human Induced Pluripotent Stem Cells from Patients with Maturity Onset Diabetes of the Young*. Journal of Biological Chemistry, 2013, 288, 5353-5356.	3.4	102
20	Inhibition of TGF-Î ² Signaling Promotes Human Pancreatic Î ² -Cell Replication. Diabetes, 2016, 65, 1208-1218.	0.6	94
21	Adipocyte Dynamics and Reversible Metabolic Syndrome in Mice with an Inducible Adipocyte-Specific Deletion of the Insulin Receptor. Cell Metabolism, 2017, 25, 448-462.	16.2	91
22	Fibroblast Growth Factor 21 (FGF21) Protects against High Fat Diet Induced Inflammation and Islet Hyperplasia in Pancreas. PLoS ONE, 2016, 11, e0148252.	2.5	90
23	Sex differences underlying pancreatic islet biology and its dysfunction. Molecular Metabolism, 2018, 15, 82-91.	6.5	90
24	Receptors for insulin and insulin-like growth factor-1 and insulin receptor substrate-1 mediate pathways that regulate islet function. Biochemical Society Transactions, 2002, 30, 317-322.	3.4	87
25	β-Cell Fate in Human Insulin Resistance and Type 2 Diabetes: A Perspective on Islet Plasticity. Diabetes, 2019, 68, 1121-1129.	0.6	87
26	Islet Secretory Defect in Insulin Receptor Substrate 1 Null Mice Is Linked With Reduced Calcium Signaling and Expression of Sarco(endo)plasmic Reticulum Ca2+-ATPase (SERCA)-2b and -3. Diabetes, 2004, 53, 1517-1525.	0.6	86
27	Insulin Signaling Regulates the FoxM1/PLK1/CENP-A Pathway to Promote Adaptive Pancreatic βÂCell Proliferation. Cell Metabolism, 2017, 25, 868-882.e5.	16.2	86
28	New Insights into the Roles of Insulin/IGF-I in the Development and Maintenance of β-Cell Mass. Reviews in Endocrine and Metabolic Disorders, 2005, 6, 199-210.	5.7	83
29	Insulin enhances glucose-stimulated insulin secretion in healthy humans. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4770-4775.	7.1	79
30	Comprehensive Proteomics Analysis of Stressed Human Islets Identifies GDF15 as a Target for Type 1 Diabetes Intervention. Cell Metabolism, 2020, 31, 363-374.e6.	16.2	78
31	Soluble Factors Secreted by T Cells Promote Î ² -Cell Proliferation. Diabetes, 2014, 63, 188-202.	0.6	65
32	The islet Î ² -cell. International Journal of Biochemistry and Cell Biology, 2004, 36, 365-371.	2.8	63
33	Proinflammatory Cytokines Induce Endocrine Differentiation in Pancreatic Ductal Cells via STAT3-Dependent NGN3 Activation. Cell Reports, 2016, 15, 460-470.	6.4	61
34	Cyclin D2 Is Essential for the Compensatory \hat{I}^2 -Cell Hyperplastic Response to Insulin Resistance in Rodents. Diabetes, 2010, 59, 987-996.	0.6	60
35	The role of the carboxyl ester lipase (CEL) gene in pancreatic disease. Pancreatology, 2018, 18, 12-19.	1.1	60
36	Early Developmental Perturbations in a Human Stem Cell Model of MODY5/HNF1B Pancreatic Hypoplasia. Stem Cell Reports, 2016, 6, 357-367.	4.8	57

#	Article	IF	CITATIONS
37	Insulin Signaling Regulates Mitochondrial Function in Pancreatic Î ² -Cells. PLoS ONE, 2009, 4, e7983.	2.5	57
38	Insulin Augmentation of Glucose-Stimulated Insulin Secretion Is Impaired in Insulin-Resistant Humans. Diabetes, 2012, 61, 301-309.	0.6	54
39	X-Box Binding Protein 1 Is Essential for Insulin Regulation of Pancreatic α-Cell Function. Diabetes, 2013, 62, 2439-2449.	0.6	54
40	Palmitate Induces mRNA Translation and Increases ER Protein Load in Islet β-Cells via Activation of the Mammalian Target of Rapamycin Pathway. Diabetes, 2014, 63, 3404-3415.	0.6	48
41	Forced Hepatic Overexpression of CEACAM1 Curtails Diet-Induced Insulin Resistance. Diabetes, 2015, 64, 2780-2790.	0.6	48
42	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic β cells in diet-induced obesity. Nature Immunology, 2019, 20, 677-686.	14.5	48
43	Comparable Generation of Activin-Induced Definitive Endoderm via Additive Wnt or BMP Signaling in Absence of Serum. Stem Cell Reports, 2014, 3, 5-14.	4.8	47
44	RADAR: differential analysis of MeRIP-seq data with a random effect model. Genome Biology, 2019, 20, 294.	8.8	46
45	MOLECULAR BIOLOGY: HNFsLinking the Liver and Pancreatic Islets in Diabetes. Science, 2004, 303, 1311-1312.	12.6	44
46	New Opportunities: Harnessing Induced Pluripotency for Discovery in Diabetes and Metabolism. Cell Metabolism, 2013, 18, 775-791.	16.2	44
47	Isoform-selective inhibitor of histone deacetylase 3 (HDAC3) limits pancreatic islet infiltration and protects female nonobese diabetic mice from diabetes. Journal of Biological Chemistry, 2017, 292, 17598-17608.	3.4	43
48	Human duct cells contribute to \hat{I}^2 cell compensation in insulin resistance. JCI Insight, 2019, 4, .	5.0	43
49	Insulin regulates carboxypeptidase E by modulating translation initiation scaffolding protein elF4G1 in pancreatic β cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2319-28.	7.1	42
50	Parental metabolic syndrome epigenetically reprograms offspring hepatic lipid metabolism in mice. Journal of Clinical Investigation, 2020, 130, 2391-2407.	8.2	42
51	Preserved DNA Damage Checkpoint Pathway Protects against Complications in Long-Standing Type 1 Diabetes. Cell Metabolism, 2015, 22, 239-252.	16.2	40
52	Carboxyl-Ester Lipase Maturity-Onset Diabetes of the Young Is Associated With Development of Pancreatic Cysts and Upregulated MAPK Signaling in Secretin-Stimulated Duodenal Fluid. Diabetes, 2014, 63, 259-269.	0.6	38
53	Increased β-cell proliferation before immune cell invasion prevents progression of type 1 diabetes. Nature Metabolism, 2019, 1, 509-518.	11.9	38
54	The regulation of pre- and post-maturational plasticity of mammalian islet cell mass. Diabetologia, 2014, 57, 1291-1303.	6.3	37

#	Article	IF	CITATIONS
55	Fluorescent probes for G-protein-coupled receptor drug discovery. Expert Opinion on Drug Discovery, 2018, 13, 933-947.	5.0	37
56	HNF4A Haploinsufficiency in MODY1 Abrogates Liver and Pancreas Differentiation from Patient-Derived Induced Pluripotent Stem Cells. IScience, 2019, 16, 192-205.	4.1	37
57	β-Cell Glucose Sensitivity Is Linked to Insulin/Glucagon Bihormonal Cells in Nondiabetic Humans. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 470-475.	3.6	34
58	Maternal insulin resistance and transient hyperglycemia impact the metabolic and endocrine phenotypes of offspring. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E906-E918.	3.5	33
59	GLP-1 signalling compensates for impaired insulin signalling in regulating beta cell proliferation in βIRKO mice. Diabetologia, 2017, 60, 1442-1453.	6.3	33
60	Epigenetic modifiers of islet function and mass. Trends in Endocrinology and Metabolism, 2014, 25, 628-636.	7.1	32
61	Signaling between pancreatic β cells and macrophages via S100 calcium-binding protein A8 exacerbates β-cell apoptosis and islet inflammation. Journal of Biological Chemistry, 2018, 293, 5934-5946.	3.4	32
62	Maternal and paternal exercise regulate offspring metabolic health and beta cell phenotype. BMJ Open Diabetes Research and Care, 2020, 8, e000890.	2.8	31
63	A MAFG-IncRNA axis links systemic nutrient abundance to hepatic glucose metabolism. Nature Communications, 2020, 11, 644.	12.8	29
64	High-level Gpr56 expression is dispensable for the maintenance and function of hematopoietic stem and progenitor cells in mice. Stem Cell Research, 2015, 14, 307-322.	0.7	26
65	Luseogliflozin increases beta cell proliferation through humoral factors that activate an insulin receptor- and IGF-1 receptor-independent pathway. Diabetologia, 2020, 63, 577-587.	6.3	25
66	Abnormal exocrine–endocrine cell cross-talk promotes β-cell dysfunction and loss in MODY8. Nature Metabolism, 2022, 4, 76-89.	11.9	25
67	Exogenous Insulin Enhances Glucose-Stimulated Insulin Response in Healthy Humans Independent of Changes in Free Fatty Acids. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 3811-3821.	3.6	24
68	Dissecting diabetes/metabolic disease mechanisms using pluripotent stem cells and genome editing tools. Molecular Metabolism, 2015, 4, 593-604.	6.5	24
69	How, When, and Where Do Human β-Cells Regenerate?. Current Diabetes Reports, 2019, 19, 48.	4.2	23
70	Compensatory Islet Response to Insulin Resistance Revealed by Quantitative Proteomics. Journal of Proteome Research, 2015, 14, 3111-3122.	3.7	22
71	Blockade of cannabinoid 1 receptor improves glucose responsiveness in pancreatic beta cells. Journal of Cellular and Molecular Medicine, 2018, 22, 2337-2345.	3.6	21
72	Nuclear Export of FoxO1 Is Associated with ERK Signaling in β-Cells Lacking Insulin Receptors. Journal of Biological Chemistry, 2016, 291, 21485-21495.	3.4	20

#	Article	IF	CITATIONS
73	Native Zinc Catalyzes Selective and Traceless Release of Small Molecules in β-Cells. Journal of the American Chemical Society, 2020, 142, 6477-6482.	13.7	20
74	Absence of Diabetes and Pancreatic Exocrine Dysfunction in a Transgenic Model of Carboxyl-Ester Lipase-MODY (Maturity-Onset Diabetes of the Young). PLoS ONE, 2013, 8, e60229.	2.5	20
75	"Omics―and "epi-omics―underlying the β-cell adaptation to insulin resistance. Molecular Metabolism, 2019, 27, S42-S48.	6.5	19
76	Insulin receptor-mediated signaling regulates pluripotency markers and lineage differentiation. Molecular Metabolism, 2018, 18, 153-163.	6.5	18
77	IRS1 deficiency protects β-cells against ER stress-induced apoptosis by modulating sXBP-1 stability and protein translation. Scientific Reports, 2016, 6, 28177.	3.3	16
78	Loss-of-Function Mutation in Thiamine Transporter 1 in a Family With Autosomal Dominant Diabetes. Diabetes, 2019, 68, 1084-1093.	0.6	16
79	GCK-MODY diabetes as a protein misfolding disease: The mutation R275C promotes protein misfolding, self-association and cellular degradation. Molecular and Cellular Endocrinology, 2014, 382, 55-65.	3.2	15
80	Using single-nucleus RNA-sequencing to interrogate transcriptomic profiles of archived human pancreatic islets. Genome Medicine, 2021, 13, 128.	8.2	15
81	GIP: No Longer the Neglected Incretin Twin?. Science Translational Medicine, 2010, 2, 49ps47.	12.4	14
82	Differential roles of FOXO transcription factors on insulin action in brown and white adipose tissue. Journal of Clinical Investigation, 2021, 131, .	8.2	14
83	Is Transforming Stem Cells to Pancreatic Beta Cells Still the Holy Grail for Type 2 Diabetes?. Current Diabetes Reports, 2016, 16, 70.	4.2	13
84	Heterogeneity of proliferative markers in pancreatic β-cells of patients with severe hypoglycemia following Roux-en-Y gastric bypass. Acta Diabetologica, 2017, 54, 737-747.	2.5	13
85	Cellular stress drives pancreatic plasticity. Science Translational Medicine, 2015, 7, 273ps2.	12.4	11
86	Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. Stem Cells Translational Medicine, 2015, 4, 1101-1108.	3.3	11
87	The Hypoglycemic Phenotype Is Islet Cell–Autonomous in Short-Chain Hydroxyacyl-CoA Dehydrogenase–Deficient Mice. Diabetes, 2016, 65, 1672-1678.	0.6	11
88	Hepatic IRF3 fuels dysglycemia in obesity through direct regulation of <i>Ppp2r1b</i> . Science Translational Medicine, 2022, 14, eabh3831.	12.4	11
89	The Polycomb protein, Bmi1, regulates insulin sensitivity. Molecular Metabolism, 2014, 3, 794-802.	6.5	10
90	Forkhead box protein O1 (FoxO1) regulates hepatic serine protease inhibitor B1 (serpinB1) expression in a non-cell-autonomous fashion. Journal of Biological Chemistry, 2019, 294, 1059-1069.	3.4	10

#	Article	IF	CITATIONS
91	Epigenetics in Î ² -cell adaptation and type 2 diabetes. Current Opinion in Pharmacology, 2020, 55, 125-131.	3.5	10
92	Harnessing reaction-based probes to preferentially target pancreatic β-cells and β-like cells. Life Science Alliance, 2021, 4, e202000840.	2.8	10
93	Ephs and Ephrins Keep Pancreatic \hat{I}^2 Cells Connected. Cell, 2007, 129, 241-243.	28.9	9
94	Insulin receptor substrate 1, but not IRS2, plays a dominant role in regulating pancreatic alpha cell function in mice. Journal of Biological Chemistry, 2021, 296, 100646.	3.4	9
95	Insulin regulates arginine-stimulated insulin secretion in humans. Metabolism: Clinical and Experimental, 2022, 128, 155117.	3.4	9
96	Early results of medial opening wedge high tibial osteotomy using an intraosseous implant with accelerated rehabilitation. European Journal of Orthopaedic Surgery and Traumatology, 2019, 29, 147-156.	1.4	8
97	Identifying Biomarkers of Subclinical Diabetes. Diabetes, 2012, 61, 1925-1926.	0.6	7
98	Tissue-Specific Targeting of the Insulin Receptor Gene. Endocrine, 2002, 19, 257-266.	2.2	6
99	Dynamic proteome profiling of human pluripotent stem cell-derived pancreatic progenitors. Stem Cells, 2020, 38, 542-555.	3.2	6
100	Glucose Controls the Expression of Polypyrimidine Tract-Binding Protein 1 via the Insulin Receptor Signaling Pathway in Pancreatic β Cells. Molecules and Cells, 2018, 41, 909-916.	2.6	6
101	Gut Microbiota Regulate Pancreatic Growth, Exocrine Function, and Gut Hormones. Diabetes, 2022, 71, 945-960.	0.6	6
102	Increased Glucose-induced Secretion of Glucagon-like Peptide-1 in Mice Lacking the Carcinoembryonic Antigen-related Cell Adhesion Molecule 2 (CEACAM2). Journal of Biological Chemistry, 2016, 291, 980-988.	3.4	5
103	Age-dependent insulin resistance in male mice with null deletion of the carcinoembryonic antigen-related cell adhesion molecule 2 gene. Diabetologia, 2017, 60, 1751-1760.	6.3	5
104	Nuclear import of glucokinase in pancreatic beta-cells is mediated by a nuclear localization signal and modulated by SUMOylation. Molecular and Cellular Endocrinology, 2017, 454, 146-157.	3.2	5
105	Attenuation of <code><scp>PKC</scp> l̂^ enhances</code> metabolic activity and promotes expansion of blood progenitors. EMBO Journal, 2018, 37, .	7.8	5
106	More is better: combinatorial therapy to restore β-cell function in diabetes. Nature Metabolism, 2020, 2, 130-131.	11.9	5
107	A Systematic Comparison of Protocols for Recovery of High-Quality RNA from Human Islets Extracted by Laser Capture Microdissection. Biomolecules, 2021, 11, 625.	4.0	5
108	ERRγ—A New Player in β Cell Maturation. Cell Metabolism, 2016, 23, 765-767.	16.2	3

#	ARTICLE	IF	CITATIONS
109	Harnessing Immune Cells to Enhance β-Cell Mass in Type 1 Diabetes. Journal of Investigative Medicine, 2016, 64, 14-20.	1.6	2
110	Leptin Receptor Signaling Regulates Protein Synthesis Pathways and Neuronal Differentiation in Pluripotent Stem Cells. Stem Cell Reports, 2020, 15, 1067-1079.	4.8	2
111	New-found brake calibrates insulin action in \hat{l}^2 -cells. Nature, 2021, 590, 221-223.	27.8	2
112	Defective insulin receptor signaling in hPSCs skews pluripotency and negatively perturbs neural differentiation. Journal of Biological Chemistry, 2021, 296, 100495.	3.4	2
113	Uncoupling Modifier Genes from Uncoupling Protein 2 in Pancreatic β-Cells. Endocrinology, 2009, 150, 2994-2996.	2.8	1