James D Johnson

List of Publications by Year
in descending order

153 papers	9,219 citations	44042 48 h-index	46771 89 g-index
172 all docs	172 docs citations	172 times ranked	10306 citing authors

#	Article	IF	Citations
1	Reversal of diabetes with insulin-producing cells derived in vitro from human pluripotent stem cells. Nature Biotechnology, 2014, 32, 1121-1133.	9.4	1,253
2	Hyperinsulinemia Drives Diet-Induced Obesity Independently of Brain Insulin Production. Cell Metabolism, 2012, 16, 723-737.	7.2	420
3	Î²-cell ABCA1 influences insulin secretion, glucose homeostasis and response to thiazolidinedione treatment. Nature Medicine, 2007, 13, 340-347.	15.2	366
4	Increased islet apoptosis in Pdx1+/â€“ mice. Journal of Clinical Investigation, 2003, 111, 1147-1160.	3.9	289
5	Roles of IP3R and RyR Ca2+ Channels in Endoplasmic Reticulum Stress and Î²-Cell Death. Diabetes, 2009, 58, 422-432.	0.3	184
6	Defective insulin secretion and increased susceptibility to experimental diabetes are induced by reduced Akt activity in pancreatic islet Î² cells. Journal of Clinical Investigation, 2004, 114, 928-936.	3.9	180
7	Increased islet apoptosis in Pdx1+/â€“ mice. Journal of Clinical Investigation, 2003, 111, 1147-1160.	3.9	180
8	Insulin protects islets from apoptosis via Pdx1 and specific changes in the human islet proteome. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19575-19580.	3.3	174
9	Effects of palmitate on ER and cytosolic Ca²⁺homeostasis in Î²-cells. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E690-E701.	1.8	169
10	Reduced Insulin Production Relieves Endoplasmic Reticulum Stress and Induces Î² Cell Proliferation. Cell Metabolism, 2016, 23, 179-193.	7.2	160
11	Defective insulin secretion and increased susceptibility to experimental diabetes are induced by reduced Akt activity in pancreatic islet Î² cells. Journal of Clinical Investigation, 2004, 114, 928-936.	3.9	148
12	Different Effects of FK506, Rapamycin, and Mycophenolate Mofetil on Glucose-Stimulated Insulin Release and Apoptosis in Human Islets. Cell Transplantation, 2009, 18, 833-845.	1.2	144
13	The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. American Journal of Clinical Nutrition, 2021, 114, 1873-1885.	2.2	141
14	A Multi-Year Analysis of Islet Transplantation Compared With Intensive Medical Therapy on Progression of Complications in Type 1 Diabetes. Transplantation, 2008, 86, 1762-1766.	0.5	138
15	Carboxypeptidase E mediates palmitate-induced Î²-cell ER stress and apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8452-8457.	3.3	136
16	Nicotinic acid-adenine dinucleotide phosphate-sensitive calcium stores initiate insulin signaling in human beta cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14566-14571.	3.3	133
17	Characterization of polyhormonal insulin-producing cells derived in vitro from human embryonic stem cells. Stem Cell Research, 2014, 12, 194-208.	0.3	133
18	RyR2 and Calpain-10 Delineate a Novel Apoptosis Pathway in Pancreatic Islets. Journal of Biological Chemistry, 2004, 279, 24794-24802.	1.6	124

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19	A causal role for hyperinsulinemia in obesity. Journal of Endocrinology, 2017, 232, R173-R183.	1.2	113
20	Reduced Circulating Insulin Enhances Insulin Sensitivity in Old Mice and Extends Lifespan. Cell Reports, 2017, 20, 451-463.	2.9	112
21	Loss of Both ABCA1 and ABCG1 Results in Increased Disturbances in Islet Sterol Homeostasis, Inflammation, and Impaired Î²-Cell Function. Diabetes, 2012, 61, 659-664.	0.3	107
22	Therapeutic opportunities for pancreatic Î²-cell ER stress in diabetes mellitus. Nature Reviews Endocrinology, 2021, 17, 455-467.	4.3	106
23	Autophagy Regulates Pancreatic Beta Cell Death in Response to Pdx1 Deficiency and Nutrient Deprivation. Journal of Biological Chemistry, 2009, 284, 27664-27673.	1.6	105
24	Islet Cholesterol Accumulation Due to Loss of ABCA1 Leads to Impaired Exocytosis of Insulin Granules. Diabetes, 2011, 60, 3186-3196.	0.3	97
25	Improving function and survival of pancreatic islets by endogenous production of glucagon-like peptide 1 (GLP-1). Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13468-13473.	3.3	92
26	Insulin Stimulates Primary Î²-Cell Proliferation via Raf-1 Kinase. Endocrinology, 2008, 149, 2251-2260.	1.4	92
27	Hyperinsulinemia in Obesity, Inflammation, and Cancer. Diabetes and Metabolism Journal, 2021, 45, 285-311.	1.8	90
28	Notch signalling suppresses apoptosis in adult human and mouse pancreatic islet cells. Diabetologia, 2007, 50, 2504-2515.	2.9	89
29	Ryanodine receptors in human pancreatic Î² cells: localization and effects on insulin secretion. FASEB Journal, 2004, 18, 878-880.	0.2	86
30	Reduced Expression of the Insulin Receptor in Mouse Insulinoma (MIN6) Cells Reveals Multiple Roles of Insulin Signaling in Gene Expression, Proliferation, Insulin Content, and Secretion. Journal of Biological Chemistry, 2005, 280, 4992-5003.	1.6	86
31	Signal transduction in multifactorial neuroendocrine control of gonadotropin secretion and synthesis in teleostsâ€"studies on the goldfish model. General and Comparative Endocrinology, 2009, 161, 42-52.	0.8	82
32	Signal transduction mechanisms mediating secretion in goldfish gonadotropes and somatotropes. Biochemistry and Cell Biology, 2000, 78, 139-153.	0.9	81
33	Mild Suppression of Hyperinsulinemia to Treat Obesity and Insulin Resistance. Trends in Endocrinology and Metabolism, 2018, 29, 389-399.	3.1	75
34	Suppression of hyperinsulinaemia in growing female mice provides long-term protection against obesity. Diabetologia, 2015, 58, 2392-2402.	2.9	74
35	Improved Human Pancreatic Islet Isolation for a Prospective Cohort Study of Islet Transplantation vs Best Medical Therapy in Type 1 Diabetes Mellitus. Archives of Surgery, 2005, 140, 735.	2.3	71
36	Cardiomyocyte ATP Production, Metabolic Flexibility, and Survival Require Calcium Flux through Cardiac Ryanodine Receptors in Vivo. Journal of Biological Chemistry, 2013, 288, 18975-18986.	1.6	71

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37	AMP-activated protein kinase confers protection against TNF-Î±-induced cardiac cell death. Cardiovascular Research, 2009, 84, 42-53.	1.8	68
38	Mechanisms of Pancreatic Î²-Cell Apoptosis in Diabetes and Its Therapies. Advances in Experimental Medicine and Biology, 2010, 654, 447-462.	0.8	67
39	Maturation of Adult Î²-Cells Revealed Using a Pdx1/Insulin Dual-Reporter Lentivirus. Endocrinology, 2009, 150, 1627-1635.	1.4	64
40	Maintenance of Î²-Cell Maturity and Plasticity in the Adult Pancreas. Diabetes, 2012, 61, 1365-1371.	0.3	64
41	Cardiac ryanodine receptors control heart rate and rhythmicity in adult mice. Cardiovascular Research, 2012, 96, 372-380.	1.8	64
42	Bcl-2 and Bcl-xL Suppress Glucose Signaling in Pancreatic Î²-Cells. Diabetes, 2013, 62, 170-182.	0.3	64
43	14-3-3Î¶ coordinates adipogenesis of visceral fat. Nature Communications, 2015, 6, 7671.	5.8	62
44	Pancreatic cell immobilization in alginate beads produced by emulsion and internal gelation. Biotechnology and Bioengineering, 2011, 108, 424-434.	1.7	59
45	Endogenous Hyperinsulinemia Contributes to Pancreatic Cancer Development. Cell Metabolism, 2019, 30, 403-404.	7.2	57
46	Acute effects of insulin on beta-cells from transplantable human islets. Molecular and Cellular Endocrinology, 2005, 241, 88-98.	1.6	56
47	14-3-3 proteins are essential signalling hubs for beta cell survival. Diabetologia, 2013, 56, 825-837.	2.9	56
48	Glucose and Endoplasmic Reticulum Calcium Channels Regulate HIF-1Î² via Presenilin in Pancreatic Î²-Cells. Journal of Biological Chemistry, 2008, 283, 9909-9916.	1.6	55
49	Paracrine signalling loops in adult human and mouse pancreatic islets: netrins modulate beta cell apoptosis signalling via dependence receptors. Diabetologia, 2011, 54, 828-842.	2.9	55
50	The quest to make fully functional human pancreatic beta cells from embryonic stem cells: climbing a mountain in the clouds. Diabetologia, 2016, 59, 2047-2057.	2.9	55
51	ATP-Citrate Lyase Reduction Mediates Palmitate-induced Apoptosis in Pancreatic Beta Cells. Journal of Biological Chemistry, 2010, 285, 32606-32615.	1.6	52
52	Intraislet SLITâ€"ROBO signaling is required for beta-cell survival and potentiates insulin secretion. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16480-16485.	3.3	52
53	On the causal relationships between hyperinsulinaemia, insulin resistance, obesity and dysglycaemia in type 2 diabetes. Diabetologia, 2021, 64, 2138-2146.	2.9	51
54	Reciprocal modulation of adult beta cell maturity by activin A and follistatin. Diabetologia, 2010, 53, 1680-1689.	2.9	50

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55	Fluorescent biosensors illuminate calcium levels within defined beta-cell endosome subpopulations. Cell Calcium, 2015, 57, 263-274.	1.1	50
56	Inhibition of Raf-1 Alters Multiple Downstream Pathways to Induce Pancreatic Î²-Cell Apoptosis. Journal of Biological Chemistry, 2008, 283, 2407-2417.	1.6	49
57	Musashi expression in Î²-cells coordinates insulin expression, apoptosis and proliferation in response to endoplasmic reticulum stress in diabetes. Cell Death and Disease, 2011, 2, e232-e232.	2.7	49
58	Suppressed Insulin Signaling and Increased Apoptosis in Cd38-Null Islets. Diabetes, 2006, 55, 2737-2746.	0.3	47
59	Two Endogenous Gonadotropin-Releasing Hormones Generate Dissimilar Ca2+ Signals in Identified Goldfish Gonadotropes. General and Comparative Endocrinology, 1999, 116, 178-191.	0.8	43
60	Autocrine motility factor/phosphoglucose isomerase regulates ER stress and cell death through control of ER calcium release. Cell Death and Differentiation, 2011, 18, 1057-1070.	5.0	43
61	Beta-cell hubs maintain Ca²⁺ oscillations in human and mouse islet simulations. Islets, 2018, 10, 151-167.	0.9	43
62	Function- and agonist-specific Ca²⁺signalling: The requirement for and mechanism of spatial and temporal complexity in Ca²⁺signals. Biochemistry and Cell Biology, 2000, 78, 217-240.	0.9	40
63	Glucose-induced endothelial heparanase secretion requires cortical and stress actin reorganization. Cardiovascular Research, 2010, 87, 127-136.	1.8	40
64	Caloric Restriction Paradoxically Increases Adiposity in Mice With Genetically Reduced Insulin. Endocrinology, 2016, 157, 2724-2734.	1.4	40
65	PACAP Stimulation of Gonadotropin-II Secretion in Goldfish Pituitary Cells: Mechanisms of Action and Interaction with Gonadotropin Releasing Hormone Signalling. Journal of Neuroendocrinology, 2001, 13, 540-550.	1.2	39
66	Voltage-gated Ca2+ influx and insulin secretion in human and mouse Î²-cells are impaired by the mitochondrial Na+/Ca2+ exchange inhibitor CGP-37157. European Journal of Pharmacology, 2007, 576, 18-25.	1.7	39
67	Acute Insulin Signaling in Pancreatic Beta-Cells Is Mediated by Multiple Raf-1 Dependent Pathways. Endocrinology, 2010, 151, 502-512.	1.4	39
68	Reducing insulin via conditional partial gene ablation in adults reverses dietâ€induced weight gain. FASEB Journal, 2018, 32, 1196-1206.	0.2	39
69	Inter-domain tagging implicates caveolin-1 in insulin receptor trafficking and Erk signaling bias in pancreatic beta-cells. Molecular Metabolism, 2016, 5, 366-378.	3.0	38
70	Control of pancreatic Î²-cell fate by insulin signaling: The sweet spot hypothesis. Cell Cycle, 2008, 7, 1343-1347.	1.3	37
71	Hyperglycemia-Induced Secretion of Endothelial Heparanase Stimulates a Vascular Endothelial Growth Factor Autocrine Network in Cardiomyocytes That Promotes Recruitment of Lipoprotein Lipase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2830-2838.	1.1	37
72	Pancreatic Î²â€cell Rafâ€1 is required for glucose tolerance, insulin secretion, and insulin 2 transcription. FASEB Journal, 2011, 25, 3884-3895.	0.2	36

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73	Ywhaz/14-3-3Î¶ Deletion Improves Glucose Tolerance Through a GLP-1-Dependent Mechanism. Endocrinology, 2016, 157, 2649-2659.	1.4	36
74	Kinetics and genomic profiling of adult human and mouse Î²-cell maturation. Islets, 2011, 3, 175-187.	0.9	34
75	Transgenic Overexpression of Active Calcineurin in Î²-Cells Results in Decreased Î²-Cell Mass and Hyperglycemia. PLoS ONE, 2010, 5, e11969.	1.1	33
76	Novel, thapsigargin-insensitive intracellular Ca2+ stores control growth hormone release from goldfish pituitary cells. Molecular and Cellular Endocrinology, 2000, 165, 139-150.	1.6	32
77	Ontogeny of Ghrelin, Obestatin, Preproghrelin, and Prohormone Convertases in Rat Pancreas and Stomach. Pediatric Research, 2009, 65, 39-44.	1.1	31
78	Mathematical models of subcutaneous injection of insulin analogues: A mini-review. Discrete and Continuous Dynamical Systems - Series B, 2009, 12, 401-414.	0.5	30
79	Ubiquitin C-terminal hydrolase L1 is required for pancreatic beta cell survival and function in lipotoxic conditions. Diabetologia, 2012, 55, 128-140.	2.9	30
80	Suppressing hyperinsulinemia prevents obesity but causes rapid onset of diabetes in leptin-deficient Lepob/ob mice. Molecular Metabolism, 2016, 5, 1103-1112.	3.0	30
81	Agonist-Specific and Sexual Stage-Dependent Inhibition of Gonadotropin-Releasing Hormone-Stimulated Gonadotropin and Growth Hormone Release by Ryanodine: Relationship to Sexual Stage-Dependent Caffeine-Sensitive Hormone Release. Journal of Neuroendocrinology, 2002, 14, 144-155.	1.2	29
82	Multi-parameter, single-cell, kinetic analysis reveals multiple modes of cell death in primary pancreatic beta-cells. Journal of Cell Science, 2013, 126, 4286-95.	1.2	29
83	Effects of insulin on human pancreatic cancer progression modeled in vitro. BMC Cancer, 2014, 14, 814.	1.1	29
84	Leptin Deficiency in Rats Results in Hyperinsulinemia and Impaired Glucose Homeostasis. Endocrinology, 2014, 155, 1268-1279.	1.4	29
85	Specific loss of adipocyte CD248 improves metabolic health via reduced white adipose tissue hypoxia, fibrosis and inflammation. EBioMedicine, 2019, 44, 489-501.	2.7	29
86	Role of the TLR signaling molecule TRIF inÂÎ²-cell function and glucose homeostasis. Islets, 2010, 2, 104-111.	0.9	28
87	Agonist-specific Ca2+ signaling systems, composed of multiple intracellular Ca2+ stores, regulate gonadotropin secretion. Molecular and Cellular Endocrinology, 2000, 170, 15-29.	1.6	27
88	Fatty Acid-Induced Nuclear Translocation of Heparanase Uncouples Glucose Metabolism in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 406-414.	1.1	27
89	Generation and Characterization of a Mouse Model Harboring the Exon-3 Deletion in the Cardiac Ryanodine Receptor. PLoS ONE, 2014, 9, e95615.	1.1	27
90	Neoepitopes in Type 1 Diabetes: Etiological Insights, Biomarkers and Therapeutic Targets. Frontiers in Immunology, 2021, 12, 667989.	2.2	26

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91	Function-specific calcium stores selectively regulate growth hormone secretion, storage, and mRNA level. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E810-E819.	1.8	24
92	Rheb activates protein synthesis and growth in adult rat ventricular cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2008, 45, 812-820.	0.9	24
93	Is Dynamic Autocrine Insulin Signaling Possible? A Mathematical Model Predicts Picomolar Concentrations of Extracellular Monomeric Insulin within Human Pancreatic Islets. PLoS ONE, 2013, 8, e64860.	1.1	24
94	Multiparameter Screening Reveals a Role for Na+ Channels in Cytokine-Induced Î²-Cell Death. Molecular Endocrinology, 2014, 28, 406-417.	3.7	23
95	Cardiac Ryanodine Receptor (Ryr2)-mediated Calcium Signals Specifically Promote Glucose Oxidation via Pyruvate Dehydrogenase. Journal of Biological Chemistry, 2016, 291, 23490-23505.	1.6	23
96	A randomized controlled trial of pharmacist-led therapeutic carbohydrate and energy restriction in type 2 diabetes. Nature Communications, 2021, 12, 5367.	5.8	23
97	MISC-1/OGC Links Mitochondrial Metabolism, Apoptosis and Insulin Secretion. PLoS ONE, 2011, 6, e17827.	1.1	23
98	High-content screening identifies a role for Na ⁺ channels in insulin production. Royal Society Open Science, 2015, 2, 150306.	1.1	20
99	Beta-cell specific Insr deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance. Nature Communications, 2022, 13, 735.	5.8	20
100	Loss of sirtuin 4 leads to elevated glucoseâ€•and leucineâ€stimulated insulin levels and accelerated ageâ€induced insulin resistance in multiple murine genetic backgrounds. Journal of Inherited Metabolic Disease, 2018, 41, 59-72.	1.7	19
101	Pancreatic and duodenal homeobox-1 (PDX1) contributes to Î²-cell mass expansion and proliferation induced by Akt/PKB pathway. Islets, 2020, 12, 32-40.	0.9	19
102	Human and mouse muscle transcriptomic analyses identify insulin receptor mRNA downregulation in hyperinsulinemiaâ€associated insulin resistance. FASEB Journal, 2022, 36, e22088.	0.2	18
103	Title is missing!. Fish Physiology and Biochemistry, 2000, 23, 201-214.	0.9	17
104	Early overnutrition reduces Pdx1 expression and induces Î² cell failure in Swiss Webster mice. Scientific Reports, 2019, 9, 3619.	1.6	17
105	Function- and agonist-specific Ca²⁺ signalling: The requirement for and mechanism of spatial and temporal complexity in Ca²⁺ signals. Biochemistry and Cell Biology, 2000, 78, 217-240.	0.9	17
106	A Gonadotropin-Releasing Hormone Insensitive, Thapsigargin-Sensitive Ca2+ Store Reduces Basal Gonadotropin Exocytosis and Gene Expression: Comparison with Agonist-Sensitive Ca2+ Stores. Journal of Neuroendocrinology, 2003, 15, 204-214.	1.2	16
107	An Odyssey of Islet Transplantation for Therapy of Type 1 Diabetes. World Journal of Surgery, 2007, 31, 1569-1576.	0.8	16
108	A Multi-Parameter, High-Content, High-Throughput Screening Platform to Identify Natural Compounds that Modulate Insulin and Pdx1 Expression. PLoS ONE, 2010, 5, e12958.	1.1	16

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109	Differential regulation and localization of carboxypeptidase D and carboxypeptidase E in human and mouse Î²-cells. Islets, 2011, 3, 155-165.	0.9	16
110	A practical guide to genetic engineering of pancreatic Î²-cellsin vivo: Getting a grip on RIP and MIP. Islets, 2014, 6, e944439.	0.9	16
111	Hyper-Variability in Circulating Insulin, High Fat Feeding Outcomes, and Effects of Reducing Ins2 Dosage in Male Ins1-Null Mice in a Specific Pathogen-Free Facility. PLoS ONE, 2016, 11, e0153280.	1.1	16
112	Differential Effects of Voclosporin and Tacrolimus on Insulin Secretion From Human Islets. Endocrinology, 2020, 161, .	1.4	16
113	Insulin synthesized in the paraventricular nucleus of the hypothalamus regulates pituitary growth hormone production. JCI Insight, 2020, 5, .	2.3	16
114	A feature analysis of lower solubility proteins in three eukaryotic systems. Journal of Proteomics, 2015, 118, 21-38.	1.2	15
115	Statistical approaches and software for clustering islet cell functional heterogeneity. Islets, 2016, 8, 48-56.	0.9	15
116	Calcium buffering activity of mitochondria controls basal growth hormone secretion and modulates specific neuropeptide signaling. Cell Calcium, 2005, 37, 573-581.	1.1	14
117	Proteomic identification of carboxypeptidase E connects lipid-induced Î²-cell apoptosis and dysfunction in type 2 diabetes. Cell Cycle, 2009, 8, 38-42.	1.3	14
118	Breast Cancer Endocrine Therapy Promotes Weight Gain With Distinct Adipose Tissue Effects in Lean and Obese Female Mice. Endocrinology, 2021, 162, .	1.4	14
119	AAV8 Ins1-Cre can produce efficient Î²-cell recombination but requires consideration of off-target effects. Scientific Reports, 2020, 10, 10518.	1.6	13
120	Caffeine-stimulated GTH-II release involves Ca²⁺stores with novel properties. American Journal of Physiology - Cell Physiology, 2002, 282, C635-C645.	2.1	12
121	Heparanase Overexpression Induces Glucagon Resistance and Protects Animals From Chemically Induced Diabetes. Diabetes, 2017, 66, 45-57.	0.3	12
122	Metabolic effects of short-term caloric restriction in mice with reduced insulin gene dosage. Journal of Endocrinology, 2018, 237, 59-71.	1.2	12
123	Carbamazepine, a beta-cell protecting drug, reduces type 1 diabetes incidence in NOD mice. Scientific Reports, 2018, 8, 4588.	1.6	12
124	Purified Human Pancreatic Duct Cell Culture Conditions Defined by Serum-Free High-Content Growth Factor Screening. PLoS ONE, 2012, 7, e33999.	1.1	12
125	Impaired Ca2+ Signaling in Î²-Cells Lacking Leptin Receptors by Cre-loxP Recombination. PLoS ONE, 2013, 8, e71075.	1.1	12
126	Nanospaces between endoplasmic reticulum and mitochondria as control centres of pancreatic Î²-cell metabolism and survival. Protoplasma, 2012, 249, 49-58.	1.0	11

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127	A New Hypothesis for Type 1 Diabetes Risk: The At-Risk Allele at rs3842753 Associates With Increased Beta-Cell INS Messenger RNA in a Meta-Analysis of Single-Cell RNA-Sequencing Data. Canadian Journal of Diabetes, 2021, 45, 775-784.e2.	0.4	11
128	Effects of hyperinsulinemia on pancreatic cancer development and the immune microenvironment revealed through single-cell transcriptomics. Cancer & Metabolism, 2022, 10, 5.	2.4	11
129	A live-cell, high-content imaging survey of 206 endogenous factors across five stress conditions reveals context-dependent survival effects in mouse primary beta cells. Diabetologia, 2015, 58, 1239-1249.	2.9	10
130	Testing the carbohydrate-insulin model in mice: The importance of distinguishing primary hyperinsulinemia from insulin resistance and metabolic dysfunction. Molecular Metabolism, 2020, 35, 100960.	3.0	10
131	Caffeine stores and dopamine differentially require Ca2+ channels in goldfish somatotropes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R494-R503.	0.9	9
132	Pancreatic Beta-cell Apoptosis in Maturity Onset Diabetes of the Young. Canadian Journal of Diabetes, 2007, 31, 67-74.	0.4	9
133	Adipose depot-specific upregulation of Ucp1 or mitochondrial oxidative complex proteins are early consequences of genetic insulin reduction in mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E529-E539.	1.8	9
134	Folding mutations suppress early beta-cell proliferation. ELife, 2018, 7, .	2.8	9
135	Modulation of Gonadotropin II Release by K+Channel Blockers in Goldfish Gonadotropes: A Novel Stimulatory Action of 4-Aminopyridine. Journal of Neuroendocrinology, 2001, 13, 951-958.	1.2	8
136	Altered Pancreatic Growth and Insulin Secretion in WSB/EiJ Mice. PLoS ONE, 2014, 9, e88352.	1.1	8
137	14-3-3Î¶: A numbers game in adipocyte function?. Adipocyte, 2016, 5, 232-237.	1.3	7
138	Specialized Hub Beta Cells Trade Maximal Insulin Production for Perfect Timing. Cell Metabolism, 2016, 24, 371-373.	7.2	6
139	AAV GCG-EGFP, a new tool to identify glucagon-secreting Î±-cells. Scientific Reports, 2019, 9, 10829.	1.6	6
140	Impaired insulin secretion in transgenic mice over-expressing calpastatin in pancreatic Î²-cells. Islets, 2009, 1, 242-248.	0.9	5
141	High Content Imaging of Barrettâ€™s-Associated High-Grade Dysplasia Cells After siRNA Library Screening Reveals Acid-Responsive Regulators of Cellular Transitions. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 601-622.	2.3	5
142	Modulation of Î²-Cell Fate and Function by TGFÎ² Ligands: A Superfamily With Many Powers. Endocrinology, 2013, 154, 3965-3969.	1.4	4
143	Promises and pitfalls of beta cellâ€“replacement therapies. Nature Metabolism, 2021, 3, 1036-1037.	5.1	4
144	PWD/PhJ mice have a genetically determined increase in nutrient-stimulated insulin secretion. Mammalian Genome, 2015, 26, 131-141.	1.0	2

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145	Hyperinsulinemia Causes Age-Dependent Insulin Resistance and Reduces LifespanImage 10. Canadian Journal of Diabetes, 2016, 40, S59-S60.	0.4	2
146	Pharmacist-led therapeutic carbohydrate restriction as a treatment strategy for type 2 diabetes: the Pharm-TCR randomized controlled trial protocol. Trials, 2019, 20, 781.	0.7	2
147	Mechanisms of Pancreatic Î²-Cell Apoptosis in Diabetes and Its Therapies. , 2014, , 1-20.		1
148	OUP accepted manuscript. American Journal of Clinical Nutrition, 2022, 115, 595-597.	2.2	1
149	The Brain Expresses the Insulin and Ins2+/- Mice Display Increased High-fat Food Intake. Canadian Journal of Diabetes, 2012, 36, S70.	0.4	0
150	Ca2+-dependent Signal Transduction. Colloquium Series on Building Blocks of the Cell Cell Structure and Function, 2014, 2, 1-68.	0.5	0
151	Unique ER Stress Mechanisms in Î² Cells Limit the Translation Potential of Therapies Targeting eIF2Î±. Endocrinology, 2017, 158, 1564-1566.	1.4	0
152	Identification of Novel Adipogenic Factors in the 14â€“3-3Î¶ Interactome During Adipocyte Differentiation. Canadian Journal of Diabetes, 2017, 41, S72-S73.	0.4	0
153	Mechanisms of Pancreatic Î²-Cell Apoptosis in Diabetes and Its Therapies. , 2015, , 873-894.		0