Patrik Rorsman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1234276/publications.pdf

Version: 2024-02-01

309 papers	33,580 citations	2311 98 h-index	4628 170 g-index
323 all docs	323 docs citations	323 times ranked	22372 citing authors

#	Article	IF	Citations
1	Heterogenous impairment of Î± cell function in type 2 diabetes is linked to cell maturation state. Cell Metabolism, 2022, 34, 256-268.e5.	7.2	39
2	Acetyl-CoA-carboxylase 1 (ACC1) plays a critical role in glucagon secretion. Communications Biology, 2022, 5, 238.	2.0	8
3	Reducing hyperglucagonaemia in type 2 diabetes using lowâ€dose glibenclamide: Results of the <scp>LEGENDâ€A</scp> pilot study. Diabetes, Obesity and Metabolism, 2022, 24, 1671-1675.	2.2	3
4	Release of insulin granules by simultaneous, highâ€speed correlative SICMâ€FCM. Journal of Microscopy, 2021, 282, 21-29.	0.8	8
5	The vascular architecture of the pancreatic islets: A homage to August Krogh. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 252, 110846.	0.8	12
6	Nanoscale Amperometry Reveals that Only a Fraction of Vesicular Serotonin Content is Released During Exocytosis from Beta Cells. Angewandte Chemie - International Edition, 2021, 60, 7593-7596.	7.2	30
7	Nanoscale Amperometry Reveals that Only a Fraction of Vesicular Serotonin Content is Released During Exocytosis from Beta Cells. Angewandte Chemie, 2021, 133, 7671-7674.	1.6	11
8	Arginine-vasopressin mediates counter-regulatory glucagon release and is diminished in type 1 diabetes. ELife, 2021, 10, .	2.8	20
9	â€˜Resistance is futile?â€™ â€“ paradoxical inhibitory effects of K ATP channel closure in glucagonâ€secreting Î±â€cells. Journal of Physiology, 2020, 598, 4765-4780.	1.3	16
10	Response to Comment on Satin et al. â€œTake Me To Your Leaderâ€: An Electrophysiological Appraisal of the Role of Hub Cells in Pancreatic Islets. Diabetes 2020;69:830â€“836. Diabetes, 2020, 69, e12-e13.	0.3	9
11	Peripancreatic adipose tissue protects against high-fat-diet-induced hepatic steatosis and insulin resistance in mice. International Journal of Obesity, 2020, 44, 2323-2334.	1.6	14
12	A method for the generation of human stem cell-derived alpha cells. Nature Communications, 2020, 11, 2241.	5.8	54
13	Incretin hormones, insulin, glucagon and advanced glycation end products in relation to cognitive function in older people with and without diabetes, a populationâ€based study. Diabetic Medicine, 2020, 37, 1157-1166.	1.2	11
14	Somatostatin secretion by Na+-dependent Ca2+-induced Ca2+ release in pancreatic delta cells. Nature Metabolism, 2020, 2, 32-40.	5.1	26
15	â€œTake Me To Your Leaderâ€: An Electrophysiological Appraisal of the Role of Hub Cells in Pancreatic Islets. Diabetes, 2020, 69, 830-836.	0.3	50
16	A Variation on the Theme: SGLT2 Inhibition and Glucagon Secretion in Human Islets. Diabetes, 2020, 69, 864-866.	0.3	14
17	Î²-cell secretory dysfunction: a key cause of type 2 diabetes. Lancet Diabetes and Endocrinology,the, 2020, 8, 370.	5.5	21
18	Reduced somatostatin signalling leads to hypersecretion of glucagon in mice fed a high-fat diet. Molecular Metabolism, 2020, 40, 101021.	3.0	39

#	Article	IF	Citations
19	Gs/Gq signaling switch in Î² cells defines incretin effectiveness in diabetes. Journal of Clinical Investigation, 2020, 130, 6639-6655.	3.9	46
20	Glucose stimulates somatostatin secretion in pancreatic Î´-cells by cAMP-dependent intracellular Ca2+ release. Journal of General Physiology, 2019, 151, 1094-1115.	0.9	19
21	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. Nature Genetics, 2019, 51, 1596-1606.	9.4	96
22	Diabetes causes marked inhibition of mitochondrial metabolism in pancreatic Î²-cells. Nature Communications, 2019, 10, 2474.	5.8	223
23	Dysregulation of Glucagon Secretion by Hyperglycemia-Induced Sodium-Dependent Reduction of ATP Production. Cell Metabolism, 2019, 29, 430-442.e4.	7.2	57
24	Î² Cell Dysfunction in Type 2 Diabetes: Drained of Energy?. Cell Metabolism, 2019, 29, 1-2.	7.2	36
25	Insulin inhibits glucagon release by SGLT2-induced stimulation of somatostatin secretion. Nature Communications, 2019, 10, 139.	5.8	117
26	PYY plays a key role in the resolution of diabetes following bariatric surgery in humans. EBioMedicine, 2019, 40, 67-76.	2.7	65
27	Biphasic voltageâ€dependent inactivation of human Na_V1.3, 1.6 and 1.7 Na⁺ channels expressed in rodent insulinâ€secreting cells. Journal of Physiology, 2018, 596, 1601-1626.	1.3	6
28	AP2Ïƒ Mutations Impair Calcium-Sensing Receptor Trafficking and Signaling, and Show an Endosomal Pathway to Spatially Direct G-Protein Selectivity. Cell Reports, 2018, 22, 1054-1066.	2.9	66
29	Î±-cell glucokinase suppresses glucose-regulated glucagon secretion. Nature Communications, 2018, 9, 546.	5.8	72
30	Î´â€cells and Î²â€cells are electrically coupled and regulate Î±â€cell activity via somatostatin. Journal of Physiology, 2018, 596, 197-215.	1.3	117
31	Adrenaline Stimulates Glucagon Secretion by Tpc2-Dependent Ca2+ Mobilization From Acidic Stores in Pancreatic Î±-Cells. Diabetes, 2018, 67, 1128-1139.	0.3	61
32	Electrophysiological properties of human beta-cell lines EndoC-Î²H1 and -Î²H2 conform with human beta-cells. Scientific Reports, 2018, 8, 16994.	1.6	39
33	GLP-1 suppresses glucagon secretion in human pancreatic alpha-cells by inhibition of P/Q-type Ca²⁺ channels. Physiological Reports, 2018, 6, e13852.	0.7	71
34	Short-term high glucose culture potentiates pancreatic beta cell function. Scientific Reports, 2018, 8, 13061.	1.6	19
35	The somatostatin-secreting pancreatic Î´-cell in health and disease. Nature Reviews Endocrinology, 2018, 14, 404-414.	4.3	164
36	Type 2 diabetes risk alleles in PAM impact insulin release from human pancreatic Î²-cells. Nature Genetics, 2018, 50, 1122-1131.	9.4	59

#	Article	IF	Citations
37	Monitoring real-time hormone release kinetics via high-content 3-D imaging of compensatory endocytosis. Lab on A Chip, 2018, 18, 2838-2848.	3.1	17
38	Type-2 Diabetes - A Fusion Pore Disease?. Biophysical Journal, 2018, 114, 10a.	0.2	0
39	CPT1a-Dependent Long-Chain Fatty Acid Oxidation Contributes to Maintaining Glucagon Secretion from Pancreatic Islets. Cell Reports, 2018, 23, 3300-3311.	2.9	71
40	Pancreatic Î²-Cell Electrical Activity and Insulin Secretion: Of Mice and Men. Physiological Reviews, 2018, 98, 117-214.	13.1	497
41	A role of PLC/PKC-dependent pathway in GLP-1-stimulated insulin secretion. Journal of Molecular Medicine, 2017, 95, 361-368.	1.7	30
42	Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity. Nature Communications, 2017, 8, 14733.	5.8	136
43	Functional identification of islet cell types by electrophysiological fingerprinting. Journal of the Royal Society Interface, 2017, 14, 20160999.	1.5	45
44	Fumarate Hydratase Deletion in Pancreatic Î² Cells Leads to Progressive Diabetes. Cell Reports, 2017, 20, 3135-3148.	2.9	57
45	A Central Small Amino Acid in the VAMP2 Transmembrane Domain Regulates the Fusion Pore in Exocytosis. Scientific Reports, 2017, 7, 2835.	1.6	25
46	Fusion pore in exocytosis: More than an exit gate? A Î²-cell perspective. Cell Calcium, 2017, 68, 45-61.	1.1	19
47	Mutant Mice With Calcium-Sensing Receptor Activation Have Hyperglycemia That Is Rectified by Calcilytic Therapy. Endocrinology, 2017, 158, 2486-2502.	1.4	31
48	Key Matrix Proteins Within the Pancreatic Islet Basement Membrane Are Differentially Digested During Human Islet Isolation. American Journal of Transplantation, 2017, 17, 451-461.	2.6	50
49	Anti-diabetic action of all-trans retinoic acid and the orphan G protein coupled receptor GPRC5C in pancreatic β-cells. Endocrine Journal, 2017, 64, 325-338.	0.7	30
50	Ca2+ channel clustering with insulin-containing granules is disturbed in type 2 diabetes. Journal of Clinical Investigation, 2017, 127, 2353-2364.	3.9	70
51	The two pore channel TPC2 is dispensable in pancreatic Î²-cells for normal Ca2+ dynamics and insulin secretion. Cell Calcium, 2016, 59, 32-40.	1.1	26
52	PYY-Dependent Restoration of Impaired Insulin and Glucagon Secretion in Type 2 Diabetes following Roux-En-Y Gastric Bypass Surgery. Cell Reports, 2016, 15, 944-950.	2.9	70
53	Glucagon secretion from pancreatic Î±-cells. Upsala Journal of Medical Sciences, 2016, 121, 113-119.	0.4	108
54	Angular Approach Scanning Ion Conductance Microscopy. Biophysical Journal, 2016, 110, 2252-2265.	0.2	23

#	Article	IF	Citations
55	Hyperglycaemia induces metabolic dysfunction and glycogen accumulation in pancreatic Î²-cells. Nature Communications, 2016, 7, 13496.	5.8	90
56	Dramatis Personae in Î²-Cell Mass Regulation: Enter SerpinB1. Cell Metabolism, 2016, 23, 8-10.	7.2	4
57	Increased Expression of the Diabetes Gene SOX4 Reduces Insulin Secretion by Impaired Fusion Pore Expansion. Diabetes, 2016, 65, 1952-1961.	0.3	55
58	Improving the physiological realism of experimental models. Interface Focus, 2016, 6, 20150076.	1.5	4
59	High-content screening identifies a role for Na ⁺ channels in insulin production. Royal Society Open Science, 2015, 2, 150306.	1.1	20
60	Action of Incretins on the Pancreatic Î± Cell: Control of Glucagon Secretion. , 2015, , 79-97.		0
61	Synaptotagmin-7 phosphorylation mediates GLP-1â€“dependent potentiation of insulin secretion from Î²-cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9996-10001.	3.3	65
62	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic Î² Cells. Journal of Biological Chemistry, 2015, 290, 21376-21392.	1.6	48
63	GLP-1 stimulates insulin secretion by PKC-dependent TRPM4 and TRPM5 activation. Journal of Clinical Investigation, 2015, 125, 4714-4728.	3.9	145
64	RFX6 Regulates Insulin Secretion by Modulating Ca2+ Homeostasis in Human Î² Cells. Cell Reports, 2014, 9, 2206-2218.	2.9	73
65	Reversible changes in pancreatic islet structure and function produced by elevated blood glucose. Nature Communications, 2014, 5, 4639.	5.8	220
66	Glutamate Acts as a Key Signal Linking Glucose Metabolism to Incretin/cAMP Action to Amplify Insulin Secretion. Cell Reports, 2014, 9, 661-673.	2.9	128
67	Matthias Braun, 23 July 1966â€“16 November 2013. Diabetologia, 2014, 57, 2431-2432.	2.9	0
68	ATP-regulated potassium channels and voltage-gated calcium channels in pancreatic alpha and beta cells: similar functions but reciprocal effects on secretion. Diabetologia, 2014, 57, 1749-1761.	2.9	74
69	Na⁺ current properties in islet Î±â€•and Î²â€cells reflect cellâ€specific Scn3a and Scn9a expression. Journal of Physiology, 2014, 592, 4677-4696.	1.3	78
70	MicroRNA-7a regulates pancreatic Î² cell function. Journal of Clinical Investigation, 2014, 124, 2722-2735.	3.9	251
71	GPRC5B a putative glutamate-receptor candidate is negative modulator of insulin secretion. Biochemical and Biophysical Research Communications, 2013, 441, 643-648.	1.0	33
72	KATP channels and islet hormone secretion: new insights and controversies. Nature Reviews Endocrinology, 2013, 9, 660-669.	4.3	221

#	Article	IF	Citations
73	An atlas and functional analysis of G-protein coupled receptors in human islets of Langerhans. , 2013, 139, 359-391.		168
74	Regulation of Insulin Secretion in Human Pancreatic Islets. Annual Review of Physiology, 2013, 75, 155-179.	5.6	496
75	Role of KATP Channels in Glucose-Regulated Glucagon Secretion and Impaired Counterregulation in Type 2 Diabetes. Cell Metabolism, 2013, 18, 871-882.	7.2	179
76	TCF7L2 and Diabetes: A Tale of Two Tissues, and of Two Species. Cell Metabolism, 2013, 17, 157-159.	7.2	21
77	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.	1.8	119
78	Reduced Insulin Exocytosis in Human Pancreatic Î²-Cells With Gene Variants Linked to Type 2 Diabetes. Diabetes, 2012, 61, 1726-1733.	0.3	204
79	Autocrine regulation of insulin secretion. Diabetes, Obesity and Metabolism, 2012, 14, 143-151.	2.2	83
80	Diabetes Mellitus and the Î² Cell: The Last Ten Years. Cell, 2012, 148, 1160-1171.	13.5	761
81	The insulinogenic effect of whey protein is partially mediated by a direct effect of amino acids and GIP on Î²-cells. Nutrition and Metabolism, 2012, 9, 48.	1.3	88
82	The Effects of TAK-875, a Selective G Protein-Coupled Receptor 40/Free Fatty Acid 1 Agonist, on Insulin and Glucagon Secretion in Isolated Rat and Human Islets. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 483-489.	1.3	79
83	Regulation of calcium in pancreatic Î±- and Î²-cells in health and disease. Cell Calcium, 2012, 51, 300-308.	1.1	195
84	Multivesicular exocytosis in rat pancreatic beta cells. Diabetologia, 2012, 55, 1001-1012.	2.9	35
85	Regulation of glucagon secretion by glucose: paracrine, intrinsic or both?. Diabetes, Obesity and Metabolism, 2011, 13, 95-105.	2.2	160
86	Electrophysiology of pancreatic Î²-cells in intact mouse islets of Langerhans. Progress in Biophysics and Molecular Biology, 2011, 107, 224-235.	1.4	87
87	Glucose-responsive beta cells in islets isolated from a patient with long-standing type 1 diabetes mellitus. Diabetologia, 2011, 54, 200-202.	2.9	11
88	Per-arnt-sim (PAS) domain kinase (PASK) as a regulator of glucagon secretion. Diabetologia, 2011, 54, 719-721.	2.9	12
89	Exocytosis from pancreatic Î²-cells: mathematical modelling of the exit of low-molecular-weight granule content. Interface Focus, 2011, 1, 143-152.	1.5	16
90	Enhancement of glucagon secretion in mouse and human pancreatic alpha cells by protein kinase C (PKC) involves intracellular trafficking of PKCÎ± and PKCÎ´. Diabetologia, 2010, 53, 717-729.	2.9	19

#	Article	IF	Citations
91	The glucagon-producing alpha cell: an electrophysiologically exceptional cell. Diabetologia, 2010, 53, 1827-1830.	2.9	12
92	SEDLIN Forms Homodimers: Characterisation of SEDLIN Mutations and Their Interactions with Transcription Factors MBP1, PITX1 and SF1. PLoS ONE, 2010, 5, e10646.	1.1	23
93	Î³-Aminobutyric Acid (GABA) Is an Autocrine Excitatory Transmitter in Human Pancreatic Î²-Cells. Diabetes, 2010, 59, 1694-1701.	0.3	190
94	Membrane Potential-Dependent Inactivation of Voltage-Gated Ion Channels in Î±-Cells Inhibits Glucagon Secretion From Human Islets. Diabetes, 2010, 59, 2198-2208.	0.3	110
95	Mitochondrial matrix pH controls oxidative phosphorylation and metabolismâ€secretion coupling in INSâ€1E clonal Î² cells. FASEB Journal, 2010, 24, 4613-4626.	0.2	49
96	CLC-5 and KIF3B interact to facilitate CLC-5 plasma membrane expression, endocytosis, and microtubular transport: relevance to pathophysiology of Dent's disease. American Journal of Physiology - Renal Physiology, 2010, 298, F365-F380.	1.3	56
97	Progression of Diet-Induced Diabetes in C57BL6J Mice Involves Functional Dissociation of Ca2+ Channels From Secretory Vesicles. Diabetes, 2010, 59, 1192-1201.	0.3	63
98	Muscle Dysfunction Caused by a K _{ATP} Channel Mutation in Neonatal Diabetes Is Neuronal in Origin. Science, 2010, 329, 458-461.	6.0	87
99	GLP-1 Inhibits and Adrenaline Stimulates Glucagon Release by Differential Modulation of N- and L-Type Ca2+ Channel-Dependent Exocytosis. Cell Metabolism, 2010, 11, 543-553.	7.2	225
100	Overexpression of Alpha2A-Adrenergic Receptors Contributes to Type 2 Diabetes. Science, 2010, 327, 217-220.	6.0	266
101	Defective Secretion of Islet Hormones in Chromogranin-B Deficient Mice. PLoS ONE, 2010, 5, e8936.	1.1	61
102	Uromodulin mutations causing familial juvenile hyperuricaemic nephropathy lead to protein maturation defects and retention in the endoplasmic reticulum. Human Molecular Genetics, 2009, 18, 2963-2974.	1.4	94
103	Deletion of the G Protein-Coupled Receptor 30 Impairs Glucose Tolerance, Reduces Bone Growth, Increases Blood Pressure, and Eliminates Estradiol-Stimulated Insulin Release in Female Mice. Endocrinology, 2009, 150, 687-698.	1.4	343
104	Kiss-and-run exocytosis and fusion pores of secretory vesicles in human Î²-cells. Pflugers Archiv European Journal of Physiology, 2009, 457, 1343-1350.	1.3	51
105	Quantal ATP release in rat Î²-cells by exocytosis of insulin-containing LDCVs. Pflugers Archiv European Journal of Physiology, 2009, 458, 389-401.	1.3	32
106	Somatostatin release, electrical activity, membrane currents and exocytosis in human pancreatic delta cells. Diabetologia, 2009, 52, 1566-1578.	2.9	81
107	Synaptotagminâ€7 is a principal Ca²⁺ sensor for Ca²⁺â€induced glucagon exocytosis in pancreas. Journal of Physiology, 2009, 587, 1169-1178.	1.3	87
108	NALCN: a regulated leak channel. EMBO Reports, 2009, 10, 963-964.	2.0	18

#	Article	IF	Citations
109	Exocytotic Properties of Human Pancreatic Î²â€cells. Annals of the New York Academy of Sciences, 2009, 1152, 187-193.	1.8	51
110	Type 2 Diabetes Susceptibility Gene TCF7L2 and Its Role in Î²-Cell Function. Diabetes, 2009, 58, 800-802.	0.3	58
111	Regulation of PKD by the MAPK p38Î´ in Insulin Secretion and Glucose Homeostasis. Cell, 2009, 136, 235-248.	13.5	215
112	The Insulin Receptor Talks to Glucagon?. Cell Metabolism, 2009, 9, 303-305.	7.2	16
113	Suppression of Sulfonylurea- and Glucose-Induced Insulin Secretion In Vitro and In Vivo in Mice Lacking the Chloride Transport Protein ClC-3. Cell Metabolism, 2009, 10, 309-315.	7.2	45
114	Chronic Palmitate Exposure Inhibits Insulin Secretion by Dissociation of Ca2+ Channels from Secretory Granules. Cell Metabolism, 2009, 10, 455-465.	7.2	131
115	miR-375 maintains normal pancreatic Î±- and Î²-cell mass. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5813-5818.	3.3	710
116	Cellâ€"cell communication between adipocytes and pancreatic Î²-cells in acoustically levitated droplets. Integrative Biology (United Kingdom), 2009, 1, 595.	0.6	13
117	Impaired Insulin Exocytosis in Neural Cell Adhesion Moleculeâˆ'/âˆ' Mice Due to Defective Reorganization of the Submembrane F-Actin Network. Endocrinology, 2009, 150, 3067-3075.	1.4	37
118	Expression of an activating mutation in the gene encoding the KATP channel subunit Kir6.2 in mouse pancreatic Î² cells recapitulates neonatal diabetes. Journal of Clinical Investigation, 2009, 119, 80-90.	3.9	95
119	Long-term exposure of mouse pancreatic islets to oleate or palmitate results in reduced glucose-induced somatostatin and oversecretion of glucagon. Diabetologia, 2008, 51, 1689-1693.	2.9	32
120	Quantification of mRNA in single cells and modelling of RT-qPCR induced noise. BMC Molecular Biology, 2008, 9, 63.	3.0	104
121	Novel aspects of the molecular mechanisms controlling insulin secretion. Journal of Physiology, 2008, 586, 3313-3324.	1.3	162
122	KATP-channels and glucose-regulated glucagon secretion. Trends in Endocrinology and Metabolism, 2008, 19, 277-284.	3.1	86
123	CAPS1 and CAPS2 Regulate Stability and Recruitment of Insulin Granules in Mouse Pancreatic Î² Cells. Cell Metabolism, 2008, 7, 57-67.	7.2	65
124	pVHL is a regulator of glucose metabolism and insulin secretion in pancreatic Î² cells. Genes and Development, 2008, 22, 3135-3146.	2.7	88
125	Voltage-Gated Ion Channels in Human Pancreatic Î²-Cells: Electrophysiological Characterization and Role in Insulin Secretion. Diabetes, 2008, 57, 1618-1628.	0.3	362
126	Cell coupling in mouse pancreatic Î²-cells measured in intact islets of Langerhans. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3503-3523.	1.6	69

#	Article	IF	Citations
127	Pathophysiological, Genetic and Gene Expression Features of a Novel Rodent Model of the Cardio-Metabolic Syndrome. PLoS ONE, 2008, 3, e2962.	1.1	24
128	Regulation of Insulin Granule Exocytosis. , 2008, , 147-176.		3
129	A KATP Channel-Dependent Pathway within Î± Cells Regulates Glucagon Release from Both Rodent and Human Islets of Langerhans. PLoS Biology, 2007, 5, e143.	2.6	203
130	Long-Term Exposure to Glucose and Lipids Inhibits Glucose-Induced Insulin Secretion Downstream of Granule Fusion With Plasma Membrane. Diabetes, 2007, 56, 1888-1897.	0.3	83
131	A dominant mutation in Snap25 causes impaired vesicle trafficking, sensorimotor gating, and ataxia in the blind-drunk mouse. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2431-2436.	3.3	109
132	Corelease and Differential Exit via the Fusion Pore of GABA, Serotonin, and ATP from LDCV in Rat Pancreatic Î² Cells. Journal of General Physiology, 2007, 129, 221-231.	0.9	94
133	Co-localisation of the Kir6.2/SUR1 channel complex with glucagon-like peptide-1 and glucose-dependent insulinotrophic polypeptide expression in human ileal cells and implications for glycaemic control in new onset type 1 diabetes. European Journal of Endocrinology, 2007, 156, 663-671.	1.9	55
134	Secretory and electrophysiological characteristics of insulin cells from gastrectomized mice: Evidence for the existence of insulinotropic agents in the stomach. Regulatory Peptides, 2007, 139, 31-38.	1.9	2
135	The Obesity-Associated FTO Gene Encodes a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. Science, 2007, 318, 1469-1472.	6.0	1,305
136	The Ins and Outs of Secretion from Pancreatic Î²-Cells: Control of Single-Vesicle Exo- and Endocytosis. Physiology, 2007, 22, 113-121.	1.6	52
137	R-type Ca2+-channel-evoked CICR regulates glucose-induced somatostatin secretion. Nature Cell Biology, 2007, 9, 453-460.	4.6	95
138	Release of small transmitters through kiss-and-run fusion pores in rat pancreatic Î² cells. Cell Metabolism, 2006, 4, 283-290.	7.2	127
139	Oscillations, Intercellular Coupling, and Insulin Secretion in Pancreatic Î² Cells. PLoS Biology, 2006, 4, e49.	2.6	68
140	Antibody inhibition of synaptosomal protein of 25 kDa (SNAP-25) and syntaxin 1 reduces rapid exocytosis in insulin-secreting cells. Journal of Molecular Endocrinology, 2006, 36, 503-515.	1.1	36
141	Failure of Transplanted Bone Marrow Cells to Adopt a Pancreatic Â-Cell Fate. Diabetes, 2006, 55, 290-296.	0.3	112
142	Calcium increases endocytotic vesicle size and accelerates membrane fission in insulin-secreting INS-1 cells. Journal of Cell Science, 2005, 118, 5911-5920.	1.2	63
143	Glucose-sensing mechanisms in pancreatic Î²-cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 2211-2225.	1.8	281
144	Selective nucleotide-release from dense-core granules in insulin-secreting cells. Journal of Cell Science, 2005, 118, 4271-4282.	1.2	129

#	Article	IF	Citations
145	Review: Insulin secretion: function and therapy of pancreatic beta-cells in diabetes. British Journal of Diabetes and Vascular Disease, 2005, 5, 187-191.	0.6	20
146	Gene expression profiling in single cells from the pancreatic islets of Langerhans reveals lognormal distribution of mRNA levels. Genome Research, 2005, 15, 1388-1392.	2.4	337
147	Regulated Exocytosis and Kiss-and-Run of Synaptic-Like Microvesicles in INS-1 and Primary Rat Â-Cells. Diabetes, 2005, 54, 736-743.	0.3	63
148	Glucagon Stimulates Exocytosis in Mouse and Rat Pancreatic Î±-Cells by Binding to Glucagon Receptors. Molecular Endocrinology, 2005, 19, 198-212.	3.7	121
149	CaV2.3 calcium channels control second-phase insulin release. Journal of Clinical Investigation, 2005, 115, 146-154.	3.9	153
150	CaV2.3 calcium channels control second-phase insulin release. Journal of Clinical Investigation, 2005, 115, 146-154.	3.9	81
151	New Insights into the Regulation of Glucagon Secretion by Glucagon-like Peptide-1. Hormone and Metabolic Research, 2004, 36, 822-829.	0.7	31
152	Hormone-Sensitive Lipase Deficiency in Mouse Islets Abolishes Neutral Cholesterol Ester Hydrolase Activity but Leaves Lipolysis, Acylglycerides, Fat Oxidation, and Insulin Secretion Intact. Endocrinology, 2004, 145, 3746-3753.	1.4	31
153	Insulin Secretion. Journal of General Physiology, 2004, 124, 623-625.	0.9	16
154	Regulated Exocytosis of GABA-containing Synaptic-like Microvesicles in Pancreatic Î²-cells. Journal of General Physiology, 2004, 123, 191-204.	0.9	118
155	The First Î³-Carboxyglutamic Acid-containing Contryphan. Journal of Biological Chemistry, 2004, 279, 32453-32463.	1.6	69
156	Type 2 diabetes mellitus: not quite exciting enough?. Human Molecular Genetics, 2004, 13, 21R-31.	1.4	90
157	Palmitate Stimulation of Glucagon Secretion in Mouse Pancreatic Â-Cells Results From Activation of L-Type Calcium Channels and Elevation of Cytoplasmic Calcium. Diabetes, 2004, 53, 2836-2843.	0.3	85
158	Glucagon-Like Peptide-1: Regulation of Insulin Secretion and Therapeutic Potential. Basic and Clinical Pharmacology and Toxicology, 2004, 95, 252-262.	1.2	87
159	A pancreatic islet-specific microRNA regulates insulin secretion. Nature, 2004, 432, 226-230.	13.7	1,932
160	Capacitance measurements of exocytosis in mouse pancreatic Î±-, Î²- and Î´-cells within intact islets of Langerhans. Journal of Physiology, 2004, 556, 711-726.	1.3	137
161	Palmitate increases L-type Ca2+currents and the size of the readily releasable granule pool in mouse pancreatic Î²-cells. Journal of Physiology, 2004, 557, 935-948.	1.3	79
162	GABABreceptor activation inhibits exocytosis in rat pancreatic Î²-cells by G-protein-dependent activation of calcineurin. Journal of Physiology, 2004, 559, 397-409.	1.3	67

#	Article	IF	Citations
163	Molecular Defects in Insulin Secretion in Type-2 Diabetes. Reviews in Endocrine and Metabolic Disorders, 2004, 5, 135-142.	2.6	54
164	ATP-Sensitive K+ Channel-Dependent Regulation of Glucagon Release and Electrical Activity by Glucose in Wild-Type and SUR1-/- Mouse Â-Cells. Diabetes, 2004, 53, S181-S189.	0.3	142
165	Glucose Inhibition of Glucagon Secretion From Rat Â-Cells Is Mediated by GABA Released From Neighboring Â-Cells. Diabetes, 2004, 53, 1038-1045.	0.3	246
166	Large dense-core vesicle exocytosis in pancreatic $beta;-cells monitored by capacitance measurements. Methods, 2004, 33, 302-311.	1.9	38
167	Isoform-specific regulation of mood behavior and pancreatic Î² cell and cardiovascular function by L-type Ca2+ channels. Journal of Clinical Investigation, 2004, 113, 1430-1439.	3.9	168
168	Impaired insulin secretion and glucose tolerance in Â cell-selective CaV1.2 Ca2+ channel null mice. EMBO Journal, 2003, 22, 3844-3854.	3.5	205
169	Insulin granule dynamics in pancreatic beta cells. Diabetologia, 2003, 46, 1029-1045.	2.9	696
170	Imidazoline NNC77-0074 stimulates insulin secretion and inhibits glucagon release by control of Ca2+-dependent exocytosis in pancreatic Î±- and Î²-cells. European Journal of Pharmacology, 2003, 466, 213-221.	1.7	16
171	SUR1 Regulates PKA-independent cAMP-induced Granule Priming in Mouse Pancreatic B-cells. Journal of General Physiology, 2003, 121, 181-197.	0.9	231
172	Phosphatidylinositol 4-kinase serves as a metabolic sensor and regulates priming of secretory granules in pancreatic Â cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5187-5192.	3.3	96
173	Nateglinide, but not repaglinide, stimulates growth hormone release in rat pituitary cells by inhibition of K channels and stimulation of cyclic AMP-dependent exocytosis. European Journal of Endocrinology, 2002, 147, 133-142.	1.9	8
174	Sulfonylurea-Mediated Stimulation of Insulin Exocytosis via an ATP-Sensitive K+ Channel-Independent Action. Diabetes, 2002, 51, S33-S36.	0.3	51
175	A Subset of 50 Secretory Granules in Close Contact With L-Type Ca2+ Channels Accounts for First-Phase Insulin Secretion in Mouse Â-Cells. Diabetes, 2002, 51, S74-S82.	0.3	196
176	Delay between Fusion Pore Opening and Peptide Release from Large Dense-Core Vesicles in Neuroendocrine Cells. Neuron, 2002, 33, 287-299.	3.8	176
177	Cellular function in multicellular system for hormone-secretion: electrophysiological aspect of studies on Î±-, Î²- and Î´-cells of the pancreatic islet. Neuroscience Research, 2002, 42, 79-90.	1.0	79
178	Fast insulin secretion reflects exocytosis of docked granules in mouse pancreatic B-cells. Pflugers Archiv European Journal of Physiology, 2002, 444, 43-51.	1.3	245
179	Glucoseâ€dependent regulation of rhythmic action potential firing in pancreatic Î²â€cells by kATPâ€channel modulation. Journal of Physiology, 2002, 545, 501-507.	1.3	79
180	Fast Exocytosis with Few Ca2+ Channels in Insulin-Secreting Mouse Pancreatic B Cells. Biophysical Journal, 2001, 81, 3308-3323.	0.2	223

#	Article	IF	Citations
181	Gi2 proteins couple somatostatin receptors to low-conductance K+ channels in rat pancreatic Î±-cells. Pflugers Archiv European Journal of Physiology, 2001, 442, 19-26.	1.3	28
182	Perchlorate stimulates insulin secretion by shifting the gating of L-type Ca2+ currents in mouse pancreatic B-cells towards negative potentials. Pflugers Archiv European Journal of Physiology, 2001, 441, 587-595.	1.3	17
183	Somatostatin inhibits exocytosis in rat pancreatic Î±â€cells by G i2 â€dependent activation of calcineurin and depriming of secretory granules. Journal of Physiology, 2001, 535, 519-532.	1.3	100
184	Priming of insulin granules for exocytosis by granular Clâˆ’ uptake and acidification. Journal of Cell Science, 2001, 114, 2145-2154.	1.2	163
185	Priming of insulin granules for exocytosis by granular Cl(-) uptake and acidification. Journal of Cell Science, 2001, 114, 2145-54.	1.2	138
186	Tolbutamide stimulates exocytosis of glucagon by inhibition of a mitochondrialâ€like ATPâ€sensitive K + (K) Tj ETQq0 0 0 rgBT /Overlock	1.3	30
187	Patchâ€clamp characterisation of somatostatinâ€secreting Î´â€cells in intact mouse pancreatic islets. Journal of Physiology, 2000, 528, 497-507.	1.3	130
188	Regulation of glucagon release in mouse Î±â€cells by K ATP channels and inactivation of TTXâ€sensitive Na + channels. Journal of Physiology, 2000, 528, 509-520.	1.3	211
189	Compound exocytosis in voltage-clamped mouse pancreatic Î²-cells revealed by carbon fibre amperometry. Pflugers Archiv European Journal of Physiology, 2000, 439, 634-645.	1.3	25
190	The Cell Physiology of Biphasic Insulin Secretion. Physiology, 2000, 15, 72-77.	1.6	175
191	Tight coupling between electrical activity and exocytosis in mouse glucagon-secreting alpha-cells. Diabetes, 2000, 49, 1500-1510.	0.3	195
192	Compound exocytosis in voltage-clamped mouse pancreatic Î²-cells revealed by carbon fibre amperometry. Pflugers Archiv European Journal of Physiology, 2000, 439, 634-645.	1.3	24
193	Hormone-sensitive lipase, the rate-limiting enzyme in triglyceride hydrolysis, is expressed and active in beta-cells. Diabetes, 1999, 48, 228-232.	0.3	102
194	The stimulatory action of tolbutamide on Ca2+-dependent exocytosis in pancreatic Â cells is mediated by a 65-kDa mdr-like P-glycoprotein. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5539-5544.	3.3	68
195	Activation of Ca2+-Dependent K+ Channels Contributes to Rhythmic Firing of Action Potentials in Mouse Pancreatic Î² Cells. Journal of General Physiology, 1999, 114, 759-770.	0.9	131
196	The voltage sensitive Lc-type Ca2+ channel is functionally coupled to the exocytotic machinery. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 248-253.	3.3	273
197	Voltage-gated and resting membrane currents recorded from B-cells in intact mouse pancreatic islets. Journal of Physiology, 1999, 521, 717-728.	1.3	204
198	CaM kinase II-dependent mobilization of secretory granules underlies acetylcholine-induced stimulation of exocytosis in mouse pancreatic B-cells. Journal of Physiology, 1999, 518, 745-759.	1.3	85

#	Article	IF	Citations
199	Glutamate primes the pump. Nature, 1999, 402, 595-596.	13.7	14
200	Characterisation of sulphonylurea and ATP-regulated K + channels in rat pancreatic A-cells. Pflugers Archiv European Journal of Physiology, 1999, 438, 428-436.	1.3	63
201	Characterisation of sulphonylurea and ATP-regulated K+ channels in rat pancreatic A-cells. Pflugers Archiv European Journal of Physiology, 1999, 438, 428-436.	1.3	72
202	Significance of Na/Ca Exchange for Ca2+ Buffering and Electrical Activity in Mouse Pancreatic Î²-Cells. Biophysical Journal, 1999, 76, 2018-2028.	0.2	46
203	Cellular regulation of islet hormone secretion by the incretin hormone glucagon-like peptide 1. Pflugers Archiv European Journal of Physiology, 1998, 435, 583-594.	1.3	227
204	Stimulation of insulin release by repaglinide and glibenclamide involves both common and distinct processes. Diabetes, 1998, 47, 345-351.	0.3	297
205	Glucagon-Like Peptide 1(7-36) Amide Stimulates Exocytosis in Human Pancreatic Î²-Cells by Both Proximal and Distal Regulatory Steps in Stimulus-Secretion Coupling. Diabetes, 1998, 47, 57-65.	0.3	179
206	Glucagon-like peptide 1 (7-36) amide stimulates exocytosis in human pancreatic beta-cells by both proximal and distal regulatory steps in stimulus-secretion coupling. Diabetes, 1998, 47, 57-65.	0.3	32
207	Glucagon-Like Peptide I and Glucose-Dependent Insulinotropic Polypeptide Stimulate Ca2+-Induced Secretion in Rat Î±-Cells by a Protein Kinase Aâ€"Mediated Mechanism. Diabetes, 1997, 46, 792-800.	0.3	99
208	G proteinâ€dependent inhibition of Lâ€type Ca2+ currents by acetylcholine in mouse pancreatic Bâ€cells.. Journal of Physiology, 1997, 499, 65-76.	1.3	42
209	Adrenaline Stimulates Glucagon Secretion in Pancreatic A-Cells by Increasing the Ca2+ Current and the Number of Granules Close to the L-Type Ca2+ Channels. Journal of General Physiology, 1997, 110, 217-228.	0.9	159
210	Protein kinase A-dependent and -independent stimulation of exocytosis by cAMP in mouse pancreatic B-cells. Journal of Physiology, 1997, 502, 105-118.	1.3	264
211	Rapid ATP-Dependent Priming of Secretory Granules Precedes Ca2+-Induced Exocytosis in Mouse Pancreatic B-Cells. Journal of Physiology, 1997, 503, 399-412.	1.3	195
212	Multisite regulation of insulin secretion by cAMP-increasing agonists: evidence that glucagon-like peptide 1 and glucagon act via distinct receptors. Pflugers Archiv European Journal of Physiology, 1997, 434, 515-524.	1.3	92
213	The pancreatic beta-cell as a fuel sensor: an electrophysiologist's viewpoint. Diabetologia, 1997, 40, 487-495.	2.9	246
214	Glucagon-like peptide I and glucose-dependent insulinotropic polypeptide stimulate Ca2+-induced secretion in rat alpha-cells by a protein kinase A-mediated mechanism. Diabetes, 1997, 46, 792-800.	0.3	29
215	Components of insulin secretion: lessons to be learnt from capacitance. The Japanese Journal of Physiology, 1997, 47 Suppl 1, S21.	0.9	0
216	Desensitization of glucagonâ€like peptide 1 receptors in insulininsulinsecreting Î²TC3 cells: role of PKAâ€independent mechanisms. British Journal of Pharmacology, 1996, 118, 769-775.	2.7	27

#	Article	IF	Citations
217	Neurotransmitter-Induced Inhibition of Exocytosis in Insulin-Secreting Î² Cells by Activation of Calcineurin. Neuron, 1996, 17, 513-522.	3.8	166
218	PKC-Dependent Stimulation of Exocytosis by Sulfonylureas in Pancreatic beta Cells. Science, 1996, 271, 813-815.	6.0	194
219	Dynamics of the cationic, bioelectrical and secretory responses to formycin A in pancreatic islet cells. Pflugers Archiv European Journal of Physiology, 1996, 431, 353-362.	1.3	3
220	Cooling inhibits exocytosis in single mouse pancreatic Bâ€cells by suppression of granule mobilization.. Journal of Physiology, 1996, 494, 41-52.	1.3	92
221	Ca(2+)â€•and GTPâ€dependent exocytosis in mouse pancreatic betaâ€cells involves both common and distinct steps.. Journal of Physiology, 1996, 496, 255-264.	1.3	64
222	The Riddle of Formycin A Insulinotropic Action. Biochemical and Molecular Medicine, 1996, 57, 47-63.	1.5	9
223	Molecular mechanism underlying glucagon-like peptide 1 induced calcium mobilization from internal stores in insulin-secreting b TC3 cells. Acta Physiologica Scandinavica, 1996, 157, 349-351.	2.3	4
224	Endocytosis of secretory granules in mouse pancreatic betaâ€cells evoked by transient elevation of cytosolic calcium.. Journal of Physiology, 1996, 493, 755-767.	1.3	79
225	Co-localization of L-type Ca2+ channels and insulin-containing secretory granules and its significance for the initiation of exocytosis in mouse pancreatic B-cells.. EMBO Journal, 1995, 14, 50-57.	3.5	270
226	Glucagon-Like Peptide I Increases Cytoplasmic Calcium in Insulin-Secreting Î²TC3-Cells by Enhancement of Intracellular Calcium Mobilization. Diabetes, 1995, 44, 767-774.	0.3	130
227	Stimulation of cloned human glucagon-like peptide 1 receptor expressed in HEK 293 cells induces cAMP-dependent activation of calcium-induced calcium release. FEBS Letters, 1995, 373, 182-186.	1.3	59
228	Glucagon-like peptide I increases cytoplasmic calcium in insulin-secreting beta TC3-cells by enhancement of intracellular calcium mobilization. Diabetes, 1995, 44, 767-774.	0.3	23
229	Co-localization of L-type Ca2+ channels and insulin-containing secretory granules and its significance for the initiation of exocytosis in mouse pancreatic B-cells. EMBO Journal, 1995, 14, 50-7.	3.5	112
230	Stimulus-secretion coupling in pancreatic Î² cells. Journal of Cellular Biochemistry, 1994, 55, 54-65.	1.2	234
231	Demonstration of Voltage-Dependent and TTX-Sensitive Na+-Channels in Human Melanocytes. Pigment Cell & Melanoma Research, 1994, 7, 333-338.	4.0	8
232	Intracellular pH, cytosolic calcium concentration and electrical activity in RINm5F insulinoma cells. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1192, 107-111.	1.4	9
233	Activation of protein kinases and inhibition of protein phosphatases play a central role in the regulation of exocytosis in mouse pancreatic beta cells.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4343-4347.	3.3	192
234	Ion channels, electrical activity and insulin secretion. DiabÃ¨te & MÃ©tabolisme, 1994, 20, 138-45.	0.3	13

#	Article	IF	Citations
235	Insulinotropic action of AICA riboside. II. Secretory, metabolic and cationic aspects. Diabetes Research, 1994, 25, 25-37.	0.1	16
236	Demonstration of a novel apamin-insensitive calcium-activated K+ channel in mouse pancreatic B cells. Pflugers Archiv European Journal of Physiology, 1993, 422, 443-448.	1.3	19
237	Calcium-independent potentiation of insulin release by cyclic AMP in single Î²-cells. Nature, 1993, 363, 356-358.	13.7	365
238	Increased activity of L-type Ca2+ channels exposed to serum from patients with type I diabetes. Science, 1993, 261, 86-90.	6.0	186
239	Stimulation of the KATP channel by ADP and diazoxide requires nucleotide hydrolysis in mouse pancreatic betaâ€cells.. Journal of Physiology, 1993, 463, 349-365.	1.3	80
240	Exocytosis elicited by action potentials and voltageâ€clamp calcium currents in individual mouse pancreatic Bâ€cells.. Journal of Physiology, 1993, 472, 665-688.	1.3	250
241	Enhanced stimulus-secretion coupling in polyamine-depleted rat insulinoma cells. An effect involving increased cytoplasmic Ca2+, inositol phosphate generation, and phorbol ester sensitivity.. Journal of Clinical Investigation, 1993, 92, 1910-1917.	3.9	30
242	Intracellular pH and the stimulus-secretion coupling in insulin-producing RINm5F cells. Biochemical Journal, 1992, 287, 59-66.	1.7	8
243	Ca2+-induced Ca2+release in insulin-secreting cells. FEBS Letters, 1992, 296, 287-291.	1.3	78
244	Protein kinase C activity affects glucose-induced oscillations in cytoplasmic free Ca2+in the pancreatic B-cell. FEBS Letters, 1992, 303, 85-90.	1.3	32
245	Cytoplasmic calcium transients due to single action potentials and voltage-clamp depolarizations in mouse pancreatic B-cells.. EMBO Journal, 1992, 11, 2877-2884.	3.5	54
246	Inhibition of L-type calcium channels by internal GTP [?S] in mouse pancreatic ? cells. Pflugers Archiv European Journal of Physiology, 1992, 420, 72-77.	1.3	16
247	Electrical bursting in islet ÃŸ cells. Nature, 1992, 357, 28-28.	13.7	1
248	Cytoplasmic calcium transients due to single action potentials and voltage-clamp depolarizations in mouse pancreatic B-cells. EMBO Journal, 1992, 11, 2877-84.	3.5	26
249	Interaction with the inositol 1,4,5-trisphosphate receptor promotes Ca2+sequestration in permeabilised insulin-secreting cells. FEBS Letters, 1991, 288, 27-29.	1.3	3
250	Measurements of cytoplasmic free Ca2+concentration in human pancreatic islets and insulinoma cells. FEBS Letters, 1991, 291, 310-314.	1.3	39
251	Regulation of glucagon release from pancreatic A-cells. Biochemical Pharmacology, 1991, 41, 1783-1790.	2.0	42
252	Separate processes mediate nucleotide-induced inhibition and stimulation of the ATP-regulated K + -channels in mouse pancreatic Î²-cells. Proceedings of the Royal Society B: Biological Sciences, 1991, 243, 139-144.	1.2	51

#	Article	IF	Citations
253	Inhibition of ATP-regulated K+-channels by a photoactivatable ATP-analogue in mouse pancreatic Î²-cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1991, 1092, 347-349.	1.9	14
254	Alpha2-adrenoreceptor stimulation does not inhibit L-type calcium channels in mouse pancreatic Î²-cells. Bioscience Reports, 1991, 11, 147-157.	1.1	25
255	Activation by adrenaline of a low-conductance G protein-dependent K+ channel in mouse pancreatic B cells. Nature, 1991, 349, 77-79.	13.7	133
256	Inositol trisphosphate-dependent periodic activation of a Ca2+-activated K+ conductance in glucose-stimulated pancreatic Î²-cells. Nature, 1991, 353, 849-852.	13.7	134
257	Neuropeptides in the Regulation of Islet Hormone Secretion â€" Localization, Effects and Mode of Action. Advances in Experimental Medicine and Biology, 1991, 291, 129-142.	0.8	11
258	Glucose-induced increase in cytoplasmic pH in pancreatic beta-cells is mediated by Na+/H+ exchange, an effect not dependent on protein kinase C.. Journal of Biological Chemistry, 1991, 266, 23537-23541.	1.6	37
259	Galanin inhibits Î²-cell electrical activity by a G-protein-regulated sulphonylurea-insensitive mechanism. , 1991, , 237-245.		0
260	Glucose-induced increase in cytoplasmic pH in pancreatic beta-cells is mediated by Na+/H+ exchange, an effect not dependent on protein kinase C. Journal of Biological Chemistry, 1991, 266, 23537-41.	1.6	29
261	Effects of external tetraethylammonium ions and quinine on delayed rectifying K+ channels in mouse pancreatic beta-cells.. Journal of Physiology, 1990, 423, 311-325.	1.3	64
262	Block of ATP-regulated and Ca2(+)-activated K+ channels in mouse pancreatic beta-cells by external tetraethylammonium and quinine.. Journal of Physiology, 1990, 423, 327-342.	1.3	87
263	Extracellular ATP increases cytoplasmic free Ca2+ concentration in clonal insulin-producing RINm5F cells. A mechanism involving direct interaction with both release and refilling of the inositol 1,4,5-trisphosphate-sensitive Ca2+ pool. Biochemical Journal, 1990, 265, 203-211.	1.7	63
264	ATP-sensitive K+ channels: a link between B-cell metabolism and insulin secretion. Biochemical Society Transactions, 1990, 18, 109-111.	1.6	129
265	Mechanisms of action of entero-insular hormones and neural input on the insulin secretory process. Biochemical Society Transactions, 1990, 18, 119-122.	1.6	7
266	Glucose in glucagon release. Nature, 1990, 344, 716-716.	13.7	3
267	Delayed rectifying and calcium-activated K+ channels and their significance for action potential repolarization in mouse pancreatic beta-cells.. Journal of General Physiology, 1990, 95, 1041-1059.	0.9	88
268	Simultaneous recordings of glucose dependent electrical activity and ATP-regulated K+ -currents in isolated mouse pancreatic Î²-cells. FEBS Letters, 1990, 261, 187-190.	1.3	159
269	Expression of voltage-gated K+ channels in insulin-producing cells. FEBS Letters, 1990, 263, 121-126.	1.3	31
270	Demonstration of A-currents in pancreatic islet cells. Pflugers Archiv European Journal of Physiology, 1989, 413, 441-443.	1.3	19

#	Article	IF	Citations
271	Glucose-inhibition of glucagon secretion involves activation of GABAA-receptor chloride channels. Nature, 1989, 341, 233-236.	13.7	453
272	Modulation of dihydropyridine-sensitive Ca2+ channels by glucose metabolism in mouse pancreatic Î² -cells. Nature, 1989, 342, 550-553.	13.7	149
273	Does galanin inhibit insulin secretion by opening of the ATP-regulated K+ channel in the Î²-cell?. Peptides, 1989, 10, 453-457.	1.2	41
274	Calcium Currents in Insulin-Secreting ?-Cells. Annals of the New York Academy of Sciences, 1989, 560, 403-409.	1.8	19
275	Single Calcium Channel Activity in Mouse Pancreatic ?-Cells. Annals of the New York Academy of Sciences, 1989, 560, 410-412.	1.8	19
276	Electrophysiology of the pancreatic Î²-cell. Progress in Biophysics and Molecular Biology, 1989, 54, 87-143.	1.4	984
277	Failure of glucose to elicit a normal secretory response in fetal pancreatic beta cells results from glucose insensitivity of the ATP-regulated K+ channels.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4505-4509.	3.3	108
278	Suppression of Insulin Release by Galanin and Somatostatin Is Meditated by a G-protein. Journal of Biological Chemistry, 1989, 264, 973-980.	1.6	119
279	Suppression of insulin release by galanin and somatostatin is mediated by a G-protein. An effect involving repolarization and reduction in cytoplasmic free Ca2+ concentration. Journal of Biological Chemistry, 1989, 264, 973-80.	1.6	104
280	Single Ca channel currents in mouse pancreatic B-cells. Pflugers Archiv European Journal of Physiology, 1988, 412, 597-603.	1.3	101
281	Measurements of membrane potential, transmembrane 45Ca fluxes, cytoplasmic free Ca2+ concentration and insulin release by transplantable rat insulinoma cells maintained in tissue culture. British Journal of Cancer, 1988, 58, 22-29.	2.9	1
282	Expression of K channels inXenopus laevisoocytes injected with poly(A+) mRNA from the insulin-secreting Î²-cell line, HIT T15. FEBS Letters, 1988, 239, 185-189.	1.3	17
283	Galanin and the endocrine pancreas. FEBS Letters, 1988, 229, 233-237.	1.3	59
284	Two types of Ca2+ currents with different sensitivities to organic Ca2+ channel antagonists in guinea pig pancreatic alpha 2 cells.. Journal of General Physiology, 1988, 91, 243-254.	0.9	39
285	Voltage-activated currents in guinea pig pancreatic alpha 2 cells. Evidence for Ca2+-dependent action potentials.. Journal of General Physiology, 1988, 91, 223-242.	0.9	105
286	Inhibition of glucose-stimulated insulin release by alpha 2-adrenoceptor activation is parallelled by both a repolarization and a reduction in cytoplasmic free Ca2+ concentration.. Journal of Biological Chemistry, 1988, 263, 1855-1860.	1.6	62
287	Inhibition of glucose-stimulated insulin release by alpha 2-adrenoceptor activation is parallelled by both a repolarization and a reduction in cytoplasmic free Ca2+ concentration. Journal of Biological Chemistry, 1988, 263, 1855-60.	1.6	56
288	Glucose stimulates the entry of Ca²⁺ into the insulinâ€producing Î² cells but not into the glucagonâ€producing Î±₂ cells. Acta Physiologica Scandinavica, 1987, 131, 230-234.	2.3	20

#	Article	IF	Citations
289	Inhibition of ATP-regulated K+ channels precedes depolarization-induced increase in cytoplasmic free Ca2+ concentration in pancreatic beta-cells.. Journal of Biological Chemistry, 1987, 262, 5448-5454.	1.6	165
290	EFFECTS OF CATIONIC MODIFICATION ON SUPERFICIAL BINDING AND INTRACELLULAR ⁴⁵Ca UPTAKE BY DECAPSULATED OB/OB MOUSE PANCREATIC ISLETS . Biomedical Research, 1987, 8, 153-159.	0.3	5
291	Inhibition of ATP-regulated K+ channels precedes depolarization-induced increase in cytoplasmic free Ca2+ concentration in pancreatic beta-cells. Journal of Biological Chemistry, 1987, 262, 5448-54.	1.6	135
292	Voltage-activated Na+ currents and their suppression by phorbol ester in clonal insulin-producing RINm5F cells. American Journal of Physiology - Cell Physiology, 1986, 251, C912-C919.	2.1	51
293	MEASUREMENTS OF CYTOPLASMIC pH IN INSULIN-RELEASING CELLS WITH INTRACELLULARLY TRAPPED PHENOL RED . Biomedical Research, 1986, 7, 139-144.	0.3	1
294	Calcium and delayed potassium currents in mouse pancreatic betaâ€cells under voltageâ€clamp conditions.. Journal of Physiology, 1986, 374, 531-550.	1.3	344
295	Opposite effects of tolbutamide and diazoxide on the ATP-dependent K+ channel in mouse pancreatic ?-cells. Pflugers Archiv European Journal of Physiology, 1986, 407, 493-499.	1.3	545
296	Direct evidence for opposite effects of D-glucose and D-glyceraldehyde on cytoplasmic pH of mouse pancreatic Î²-cells. Bioscience Reports, 1986, 6, 355-361.	1.1	25
297	Calcium and Potassium Currents Recorded from Pancreatic Î²-Cells Under Voltage Clamp Control. Advances in Experimental Medicine and Biology, 1986, 211, 167-175.	0.8	8
298	Glucose dependent K+-channels in pancreatic?-cells are regulated by intracellular ATP. Pflugers Archiv European Journal of Physiology, 1985, 405, 305-309.	1.3	357
299	Cyclic AMP potentiates glucoseâ€induced insulin release from mouse pancreatic islets without increasing cytosolic free Ca2. Acta Physiologica Scandinavica, 1985, 125, 639-647.	2.3	51
300	Direct measurements of increased free cytoplasmic Ca2+in mouse pancreatic Î²-cells following stimulation by hypoglycemie sulfonylureas. FEBS Letters, 1985, 190, 21-24.	1.3	33
301	Defective regulation of the cytosolic Ca2+ activity in parathyroid cells from patients with hyperparathyroidism. Bioscience Reports, 1984, 4, 909-915.	1.1	64
302	Dual effects of glucose on the cytosolic Ca2+ activity of mouse pancreatic Î²-cells. FEBS Letters, 1984, 170, 196-200.	1.3	118
303	Depolarization-independent net uptake of calcium into clonal insulin-releasing cells exposed to glucose. Bioscience Reports, 1983, 3, 927-937.	1.1	42
304	Reduction of the cytosolic calcium activity in clonal insulin-releasing cells exposed to glucose. Bioscience Reports, 1983, 3, 939-946.	1.1	51
305	The interaction between manganese and calcium fluxes in pancreatic Î²-cells. Biochemical Journal, 1983, 210, 307-314.	3.2	21
306	Manganese accumulation in pancreatic Î²-cells and its stimulation by glucose. Biochemical Journal, 1982, 202, 435-444.	3.2	30

#	Article	IF	Citations
307	Direct determination of manganese in microgram amounts of pancreatic tissue by electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 1982, 140, 325-329.	2.6	9
308	Ca2+Transport in Pancreatic Î²-Cells during Glucose Stimulation of Insulin Secretion. Upsala Journal of Medical Sciences, 1980, 85, 321-329.	0.4	9
309	Calcium and pancreatic Î²-cell function XI. Modification of 45Ca fluxes by Na+ removal. Biochemical Medicine, 1980, 24, 143-152.	0.5	33