

Per-Olof Berggren

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

145 papers	5,910 citations	37 h-index	74 g-index
157 ext. papers	6,854 ext. citations	10.2 avg, IF	5.41 L-index

#	Paper	IF	Citations
145	Diversity of respiratory parameters and metabolic adaptation to low oxygen tension in mesenchymal stromal cells.. <i>Metabolism Open</i> , 2022 , 13, 100167	2.8	0
144	Intracameral Microimaging of Maturation of Human iPSC Derivatives into Islet Endocrine Cells.. <i>Cell Transplantation</i> , 2022 , 31, 9636897211066508	4	1
143	Destabilization of β Cell FIT2 by saturated fatty acids alter lipid droplet numbers and contribute to ER stress and diabetes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113074119	11.5	1
142	HIF-1 α inhibitor PX-478 preserves pancreatic β cell function in diabetes.. <i>Science Translational Medicine</i> , 2022 , 14, eaba9112	17.5	1
141	Fitness, Food, and Biomarkers: Characterizing Body Composition in 19,634 Early Adolescents.. <i>Nutrients</i> , 2022 , 14,	6.7	1
140	Intravital Ca imaging of pancreatic β cell function after bariatric surgery.. <i>Cell Calcium</i> , 2022 , 104, 102566	4	
139	Inositol hexakisphosphate primes syndapin I/PACSIN 1 activation in endocytosis.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 286	10.3	1
138	Local Dexamethasone Administration Delays Allogeneic Islet Graft Rejection in the Anterior Chamber of the Eye of Non-Human Primates. <i>Cell Transplantation</i> , 2022 , 31, 096368972210980	4	0
137	Expression of truncated Kir6.2 promotes insertion of functionally inverted ATP-sensitive K channels. <i>Scientific Reports</i> , 2021 , 11, 21539	4.9	
136	An integrative proteomics method identifies a regulator of translation during stem cell maintenance and differentiation. <i>Nature Communications</i> , 2021 , 12, 6558	17.4	3
135	Identification of MDM2, YTHDF2 and DDX21 as potential biomarkers and targets for treatment of type 2 diabetes. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 581, 110-117	3.4	1
134	Lowering apolipoprotein CIII protects against high-fat diet-induced metabolic derangements. <i>Science Advances</i> , 2021 , 7,	14.3	2
133	Tissue-specific expression of insulin receptor isoforms in obesity/type 2 diabetes mouse models. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 4800-4813	5.6	2
132	The Eye as a Transplantation Site to Monitor Pancreatic Islet Cell Plasticity. <i>Frontiers in Endocrinology</i> , 2021 , 12, 652853	5.7	6
131	Ectopic Leptin Production by Intraocular Pancreatic Islet Organoids Ameliorates the Metabolic Phenotype of Mice. <i>Metabolites</i> , 2021 , 11,	5.6	1
130	XPR1 Mediates the Pancreatic β Cell Phosphate Flush. <i>Diabetes</i> , 2021 , 70, 111-118	0.9	1
129	Apolipoprotein CIII Is an Important Piece in the Type-1 Diabetes Jigsaw Puzzle. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4

128	Human Islet Microtissues as an In Vitro and an In Vivo Model System for Diabetes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
127	Challenges in stem cell-derived islet replacement therapy can be overcome. <i>Cell Transplantation</i> , 2021 , 30, 9636897211045320	4	
126	Enhanced expression of β -cell Ca _v 3.1 channels impairs insulin release and glucose homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 448-453	11.5	12
125	Islet vascularization is regulated by primary endothelial cilia via VEGF-A-dependent signaling. <i>ELife</i> , 2020 , 9,	8.9	5
124	Studying the biology of cytotoxic T lymphocytes in vivo with a fluorescent granzyme B-mTFP knock-in mouse. <i>ELife</i> , 2020 , 9,	8.9	1
123	Topologically selective islet vulnerability and self-sustained downregulation of markers for β -cell maturity in streptozotocin-induced diabetes. <i>Communications Biology</i> , 2020 , 3, 541	6.7	10
122	In vivo Ca dynamics in single pancreatic β -cells. <i>FASEB Journal</i> , 2020 , 34, 945-959	0.9	14
121	Integration of Primary Endocrine Cells and Supportive Cells Using Functionalized Silk Promotes the Formation of Prevascularized Islet-like Clusters. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1186-1195	5.5	1
120	Platelet factor 4 enhances CD4 T effector memory cell responses via Akt-PGC1 α -TFAM signaling-mediated mitochondrial biogenesis. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 2685-2700	15.4	4
119	Effectiveness of Antivirals in a Type 1 Diabetes Model and the Move Toward Human Trials. <i>Viral Immunology</i> , 2020 , 33, 594-599	1.7	0
118	Alpha cell regulation of beta cell function. <i>Diabetologia</i> , 2020 , 63, 2064-2075	10.3	14
117	Glucokinase intrinsically regulates glucose sensing and glucagon secretion in pancreatic alpha cells. <i>Scientific Reports</i> , 2020 , 10, 20145	4.9	7
116	Modelling of dysregulated glucagon secretion in type 2 diabetes by considering mitochondrial alterations in pancreatic β -cells. <i>Royal Society Open Science</i> , 2020 , 7, 191171	3.3	14
115	Islet macrophages are associated with islet vascular remodeling and compensatory hyperinsulinemia during diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E1108-E1120	6	11
114	Operational immune tolerance towards transplanted allogeneic pancreatic islets in mice and a non-human primate. <i>Diabetologia</i> , 2019 , 62, 811-821	10.3	10
113	The eye as a novel imaging site in diabetes research. <i>Pharmacology & Therapeutics</i> , 2019 , 197, 103-121	13.9	14
112	In vivo imaging of type 1 diabetes immunopathology using eye-transplanted islets in NOD mice. <i>Diabetologia</i> , 2019 , 62, 1237-1250	10.3	11
111	Assembly of functionalized silk together with cells to obtain proliferative 3D cultures integrated in a network of ECM-like microfibers. <i>Scientific Reports</i> , 2019 , 9, 6291	4.9	18

110	Local release of rapamycin by microparticles delays islet rejection within the anterior chamber of the eye. <i>Scientific Reports</i> , 2019 , 9, 3918	4.9	18
109	Inositol pyrophosphates and Akt/PKB: Is the pancreatic β cell the exception to the rule?. <i>Cellular Signalling</i> , 2019 , 58, 131-136	4.9	3
108	Diet-induced β cell insulin resistance results in reversible loss of functional β cell mass. <i>FASEB Journal</i> , 2019 , 33, 204-218	0.9	18
107	Structural basis for delta cell paracrine regulation in pancreatic islets. <i>Nature Communications</i> , 2019 , 10, 3700	17.4	38
106	Translational assessment of a genetic engineering methodology to improve islet function for transplantation. <i>EBioMedicine</i> , 2019 , 45, 529-541	8.8	7
105	Phospholipase C- η potentiates glucose-stimulated insulin secretion. <i>FASEB Journal</i> , 2019 , 33, 10668-10679	7.9	9
104	Noninvasive intravital high-resolution imaging of pancreatic neuroendocrine tumours. <i>Scientific Reports</i> , 2019 , 9, 14636	4.9	5
103	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. <i>Nature Metabolism</i> , 2019 , 1, 1110-1126	14.6	23
102	IgGs from patients with amyotrophic lateral sclerosis and diabetes target Ca ν 1 subunits impairing islet cell function and survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	9
101	miR-31 regulates energy metabolism and is suppressed in T β cells from patients with Sjögren's syndrome. <i>European Journal of Immunology</i> , 2019 , 49, 313-322	6.1	7
100	Paracrine Interactions within the Pancreatic Islet Determine the Glycemic Set Point. <i>Cell Metabolism</i> , 2018 , 27, 549-558.e4	24.6	88
99	Kynurenic Acid and Gpr35 Regulate Adipose Tissue Energy Homeostasis and Inflammation. <i>Cell Metabolism</i> , 2018 , 27, 378-392.e5	24.6	106
98	Mechanistic understanding of insulin receptor modulation: Implications for the development of anti-diabetic drugs. <i>Pharmacology & Therapeutics</i> , 2018 , 185, 86-98	13.9	2
97	Inositol hexakisphosphate kinase 1 is a metabolic sensor in pancreatic β cells. <i>Cellular Signalling</i> , 2018 , 46, 120-128	4.9	17
96	Protein kinase- and lipase inhibitors of inositide metabolism deplete IP indirectly in pancreatic β cells: Off-target effects on cellular bioenergetics and direct effects on IP6K activity. <i>Cellular Signalling</i> , 2018 , 42, 127-133	4.9	4
95	Blocking Ca Channel β Subunit Reverses Diabetes. <i>Cell Reports</i> , 2018 , 24, 922-934	10.6	12
94	Integrative microendoscopic system combined with conventional microscope for live animal tissue imaging. <i>Journal of Biophotonics</i> , 2018 , 11, e201800206	3.1	3
93	Neither polyphenol-rich red wine nor fenofibrate affects the onset of type-1 diabetes mellitus in the BB rat. <i>Laboratory Animal Research</i> , 2018 , 34, 126-131	1.9	

92	Preservation of Anticancer and Immunosuppressive Properties of Rapamycin Achieved Through Controlled Releasing Particles. <i>AAPS PharmSciTech</i> , 2017 , 18, 2648-2657	3.9	9
91	A novel toolbox to investigate tissue spatial organization applied to the study of the islets of Langerhans. <i>Scientific Reports</i> , 2017 , 7, 44261	4.9	10
90	Kinetics of functional beta cell mass decay in a diphtheria toxin receptor mouse model of diabetes. <i>Scientific Reports</i> , 2017 , 7, 12440	4.9	7
89	SNAP-25b-deficiency increases insulin secretion and changes spatiotemporal profile of Caoscillations in β cell networks. <i>Scientific Reports</i> , 2017 , 7, 7744	4.9	21
88	Intraocular imaging of pancreatic islet cell physiology/pathology. <i>Molecular Metabolism</i> , 2017 , 6, 1002-1009	10.6	21
87	Biochemical profiling of diabetes disease progression by multivariate vibrational microspectroscopy of the pancreas. <i>Scientific Reports</i> , 2017 , 7, 6646	4.9	7
86	Pancreatic Islet Blood Flow Dynamics in Primates. <i>Cell Reports</i> , 2017 , 20, 1490-1501	10.6	26
85	DISC1 Modulates Neuronal Stress Responses by Gate-Keeping ER-Mitochondria Ca Transfer through the MAM. <i>Cell Reports</i> , 2017 , 21, 2748-2759	10.6	36
84	Phase modulation of insulin pulses enhances glucose regulation and enables inter-islet synchronization. <i>PLoS ONE</i> , 2017 , 12, e0172901	3.7	11
83	Insulin modulates the frequency of Ca ²⁺ oscillations in mouse pancreatic islets. <i>PLoS ONE</i> , 2017 , 12, e0183569	3.7	3
82	Diabetes Prevention Through Antiviral Treatment in Biobreeding Rats. <i>Viral Immunology</i> , 2016 , 29, 452-458	12.7	4
81	Non-invasive cell type selective in vivo monitoring of insulin resistance dynamics. <i>Scientific Reports</i> , 2016 , 6, 21448	4.9	11
80	Liraglutide Compromises Pancreatic β Cell Function in a Humanized Mouse Model. <i>Cell Metabolism</i> , 2016 , 23, 541-6	24.6	49
79	Silk matrices promote formation of insulin-secreting islet-like clusters. <i>Biomaterials</i> , 2016 , 90, 50-61	15.6	25
78	Insulinotropic compounds decrease endothelial cell survival. <i>Toxicology in Vitro</i> , 2016 , 33, 1-8	3.6	1
77	Nephrin Contributes to Insulin Secretion and Affects Mammalian Target of Rapamycin Signaling Independently of Insulin Receptor. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 1029-41	12.7	13
76	ARA290 Improves Insulin Release and Glucose Tolerance in Type 2 Diabetic Goto-Kakizaki Rats. <i>Molecular Medicine</i> , 2016 , 21, 969-978	6.2	7
75	Human Beta Cells Produce and Release Serotonin to Inhibit Glucagon Secretion from Alpha Cells. <i>Cell Reports</i> , 2016 , 17, 3281-3291	10.6	90

74	TLR3-/4-Priming Differentially Promotes Ca(2+) Signaling and Cytokine Expression and Ca(2+)-Dependently Augments Cytokine Release in hMSCs. <i>Scientific Reports</i> , 2016 , 6, 23103	4.9	12
73	The imidazoline compound RX871024 promotes insulinoma cell death independent of AMP-activated protein kinase inhibition. <i>Investigational New Drugs</i> , 2016 , 34, 522-9	4.3	3
72	The anterior chamber of the eye is a transplantation site that supports and enables visualisation of beta cell development in mice. <i>Diabetologia</i> , 2016 , 59, 1007-11	10.3	11
71	Characterization of pancreatic NMDA receptors as possible drug targets for diabetes treatment. <i>Nature Medicine</i> , 2015 , 21, 363-72	50.5	100
70	New insights into the architecture of the islet of Langerhans: a focused cross-species assessment. <i>Diabetologia</i> , 2015 , 58, 2218-28	10.3	57
69	Apolipoprotein CIII links islet insulin resistance to β cell failure in diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2611-9	11.5	54
68	PI3K-C2 β Knockdown Results in Rerouting of Insulin Signaling and Pancreatic Beta Cell Proliferation. <i>Cell Reports</i> , 2015 , 13, 15-22	10.6	24
67	Agonistic aptamer to the insulin receptor leads to biased signaling and functional selectivity through allosteric modulation. <i>Nucleic Acids Research</i> , 2015 , 43, 7688-701	20.1	39
66	Apolipoprotein a1 increases mitochondrial biogenesis through AMP-activated protein kinase. <i>Cellular Signalling</i> , 2015 , 27, 1873-81	4.9	15
65	Spatial and temporal coordination of insulin granule exocytosis in intact human pancreatic islets. <i>Diabetologia</i> , 2015 , 58, 2810-8	10.3	22
64	β Cell Ca(2+) dynamics and function are compromised in aging. <i>Advances in Biological Regulation</i> , 2015 , 57, 112-9	6.2	14
63	Pancreatic Islet Survival and Engraftment Is Promoted by Culture on Functionalized Spider Silk Matrices. <i>PLoS ONE</i> , 2015 , 10, e0130169	3.7	31
62	Secretome protein signature of human gastrointestinal stromal tumor cells. <i>Experimental Cell Research</i> , 2015 , 336, 158-70	4.2	6
61	Glucose intolerance and pancreatic β cell dysfunction in the anorectic anx/anx mouse. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E418-27	6	9
60	Proteomic analysis of the palmitate-induced myotube secretome reveals involvement of the annexin A1-formyl peptide receptor 2 (FPR2) pathway in insulin resistance. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 882-92	7.6	28
59	Regulation of glucose homeostasis using radiogenetics and magnetogenetics in mice. <i>Nature Medicine</i> , 2015 , 21, 14-6	50.5	15
58	Outer Hair Cell Lateral Wall Structure Constrains the Mobility of Plasma Membrane Proteins. <i>PLoS Genetics</i> , 2015 , 11, e1005500	6	23
57	Ciliary dysfunction impairs beta-cell insulin secretion and promotes development of type 2 diabetes in rodents. <i>Nature Communications</i> , 2014 , 5, 5308	17.4	66

56	Defects in β cell Ca^{2+} dynamics in age-induced diabetes. <i>Diabetes</i> , 2014 , 63, 4100-14	0.9	26
55	Young capillary vessels rejuvenate aged pancreatic islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17612-7	11.5	68
54	Ionic mechanisms in pancreatic β cell signaling. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 4149-77	10.3	56
53	Adipsin is an adipokine that improves β cell function in diabetes. <i>Cell</i> , 2014 , 158, 41-53	56.2	217
52	Control of insulin secretion by cholinergic signaling in the human pancreatic islet. <i>Diabetes</i> , 2014 , 63, 2714-26	0.9	97
51	In vivo imaging of kidney glomeruli transplanted into the anterior chamber of the mouse eye. <i>Scientific Reports</i> , 2014 , 4, 3872	4.9	18
50	Contribution of endothelial injury and inflammation in early phase to vein graft failure: the causal factors impact on the development of intimal hyperplasia in murine models. <i>PLoS ONE</i> , 2014 , 9, e98904	3.7	15
49	Mitochondrial GTP insensitivity contributes to hypoglycemia in hyperinsulinemia hyperammonemia by inhibiting glucagon release. <i>Diabetes</i> , 2014 , 63, 4218-29	0.9	14
48	aP2-Cre-mediated inactivation of estrogen receptor alpha causes hydrometra. <i>PLoS ONE</i> , 2014 , 9, e85581	3.7	11
47	New horizons in cellular regulation by inositol polyphosphates: insights from the pancreatic β cell. <i>Pharmacological Reviews</i> , 2013 , 65, 641-69	22.5	30
46	Noninvasive in vivo model demonstrating the effects of autonomic innervation on pancreatic islet function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 21456-61	11.5	75
45	Real-time detection of acetylcholine release from the human endocrine pancreas. <i>Nature Protocols</i> , 2012 , 7, 1015-23	18.8	19
44	Alpha cells secrete acetylcholine as a non-neuronal paracrine signal priming beta cell function in humans. <i>Nature Medicine</i> , 2011 , 17, 888-92	50.5	201
43	Donor islet endothelial cells in pancreatic islet revascularization. <i>Diabetes</i> , 2011 , 60, 2571-7	0.9	87
42	Insulin-feedback via PI3K-C2alpha activated PKBalpha/Akt1 is required for glucose-stimulated insulin secretion. <i>FASEB Journal</i> , 2010 , 24, 1824-37	0.9	85
41	Glutamate is a positive autocrine signal for glucagon release. <i>Cell Metabolism</i> , 2008 , 7, 545-54	24.6	146
40	A key role for phosphorylated inositol compounds in pancreatic beta-cell stimulus-secretion coupling. <i>Advances in Enzyme Regulation</i> , 2008 , 48, 276-94		17
39	Requirement of inositol pyrophosphates for full exocytotic capacity in pancreatic beta cells. <i>Science</i> , 2007 , 318, 1299-302	33.3	147

38	Automated, High-Throughput Assays for Evaluation of Human Pancreatic Islet Function. <i>Cell Transplantation</i> , 2007 , 16, 1039-1048	4	42
37	Glucose recruits K(ATP) channels via non-insulin-containing dense-core granules. <i>Cell Metabolism</i> , 2007 , 6, 217-28	24.6	33
36	The role of voltage-gated calcium channels in pancreatic beta-cell physiology and pathophysiology. <i>Endocrine Reviews</i> , 2006 , 27, 621-76	27.2	186
35	The unique cytoarchitecture of human pancreatic islets has implications for islet cell function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2334-9	11.5	888
34	Novel aspects on signal-transduction in the pancreatic beta-cell. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2006 , 16 Suppl 1, S7-10	4.5	20
33	Removal of Ca ²⁺ channel beta3 subunit enhances Ca ²⁺ oscillation frequency and insulin exocytosis. <i>Cell</i> , 2004 , 119, 273-84	56.2	100
32	Increase in cellular glutamate levels stimulates exocytosis in pancreatic beta-cells. <i>FEBS Letters</i> , 2002 , 531, 199-203	3.8	66
31	Overexpression of rat neuronal calcium sensor-1 in rodent NG108-15 cells enhances synapse formation and transmission. <i>Journal of Physiology</i> , 2001 , 532, 649-59	3.9	46
30	Inositol hexakisphosphate increases L-type Ca ²⁺ channel activity by stimulation of adenylyl cyclase. <i>FASEB Journal</i> , 2001 , 15, 1753-63	0.9	41
29	Polyamines in pancreatic islets of obese-hyperglycemic (ob/ob) mice of different ages. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 280, C317-23	5.4	10
28	Impaired insulin secretion and beta-cell loss in tissue-specific knockout mice with mitochondrial diabetes. <i>Nature Genetics</i> , 2000 , 26, 336-40	36.3	371
27	Identification of a nuclear localization signal, RRMKWKK, in the homeodomain transcription factor PDX-1. <i>FEBS Letters</i> , 1999 , 461, 229-34	3.8	73
26	An endogenous peptide isolated from the gut, NK-lysin, stimulates insulin secretion without changes in cytosolic free Ca ²⁺ concentration. <i>FEBS Letters</i> , 1998 , 439, 267-70	3.8	4
25	Changes in cytoplasmic ATP concentration parallels changes in ATP-regulated K ⁺ -channel activity in insulin-secreting cells. <i>FEBS Letters</i> , 1998 , 441, 97-102	3.8	16
24	Signaling and sites of interaction for RX-871024 and sulfonylurea in the stimulation of insulin release. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E751-7	6	6
23	Thiol oxidation by 2,2Sdithiodipyridine causes a reversible increase in cytoplasmic free Ca ²⁺ concentration in pancreatic beta-cells. Role for inositol 1,4,5-trisphosphate-sensitive Ca ²⁺ stores. <i>Biochemical Journal</i> , 1997 , 321 (Pt 2), 347-54	3.8	28
22	Parallel changes in nuclear and cytosolic calcium in mouse pancreatic beta-cells. <i>Biochemical Journal</i> , 1997 , 325 (Pt 3), 771-8	3.8	25
21	RIN14B: a pancreatic delta-cell line that maintains functional ATP-dependent K ⁺ channels and capability to secrete insulin under conditions where it no longer secretes somatostatin. <i>FEBS Letters</i> , 1997 , 411, 301-7	3.8	8

20	Receptor-mediated inhibition of renal Na(+)-K(+)-ATPase is associated with endocytosis of its alpha- and beta-subunits. <i>American Journal of Physiology - Cell Physiology</i> , 1997 , 273, C1458-65	5.4	104
19	Temporal patterns of changes in ATP/ADP ratio, glucose 6-phosphate and cytoplasmic free Ca ²⁺ in glucose-stimulated pancreatic beta-cells. <i>Biochemical Journal</i> , 1996 , 314 (Pt 1), 91-4	3.8	108
18	Dissociation between exocytosis and Ca(2+)-channel activity in mouse pancreatic beta-cells stimulated with calmidazolium (compound R24571). <i>FEBS Letters</i> , 1995 , 369, 315-20	3.8	8
17	Effects of K(+)-induced depolarization and purinergic receptor activation on elemental content in insulin-producing RINm5F-cells. <i>Cell Biology International</i> , 1995 , 19, 25-34	4.5	3
16	Modifications of Ca ²⁺ signaling by inorganic mercury in PC12 cells. <i>FASEB Journal</i> , 1993 , 7, 1507-14	0.9	56
15	Sulfhydryl oxidation induces rapid and reversible closure of the ATP-regulated K ⁺ channel in the pancreatic beta-cell. <i>FEBS Letters</i> , 1993 , 319, 128-32	3.8	62
14	Regulation of cytoplasmic free Ca ²⁺ in insulin-secreting cells. <i>Advances in Experimental Medicine and Biology</i> , 1993 , 334, 25-45	3.6	15
13	Ca(2+)-induced Ca ²⁺ release in insulin-secreting cells. <i>FEBS Letters</i> , 1992 , 296, 287-91	3.8	69
12	Protein kinase C activity affects glucose-induced oscillations in cytoplasmic free Ca ²⁺ in the pancreatic B-cell. <i>FEBS Letters</i> , 1992 , 303, 85-90	3.8	28
11	Electrical bursting in islet β cells. <i>Nature</i> , 1992 , 357, 28-28	50.4	1
10	Influence of phenytoin on cytoplasmic free Ca ²⁺ level in human gingival fibroblasts. <i>European Journal of Oral Sciences</i> , 1991 , 99, 310-5	2.3	6
9	Somatostatin promotes accumulation of phospholipids in regenerating liver tissue of rats. <i>Bioscience Reports</i> , 1991 , 11, 1-6	4.1	3
8	Alpha 2-adrenoreceptor stimulation does not inhibit L-type calcium channels in mouse pancreatic beta-cells. <i>Bioscience Reports</i> , 1991 , 11, 147-57	4.1	24
7	Activation by adrenaline of a low-conductance G protein-dependent K ⁺ channel in mouse pancreatic B cells. <i>Nature</i> , 1991 , 349, 77-9	50.4	123
6	Inositol trisphosphate-dependent periodic activation of a Ca(2+)-activated K ⁺ conductance in glucose-stimulated pancreatic beta-cells. <i>Nature</i> , 1991 , 353, 849-52	50.4	125
5	Interaction with the inositol 1,4,5-trisphosphate receptor promotes Ca ²⁺ sequestration in permeabilised insulin-secreting cells. <i>FEBS Letters</i> , 1991 , 288, 27-9	3.8	3
4	Mechanisms of action of entero-insular hormones and neural input on the insulin secretory process. <i>Biochemical Society Transactions</i> , 1990 , 18, 119-22	5.1	5
3	Expression of voltage-gated K ⁺ channels in insulin-producing cells. Analysis by polymerase chain reaction. <i>FEBS Letters</i> , 1990 , 263, 121-6	3.8	28

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| 2 | Glucose-stimulated efflux of indo-1 from pancreatic beta-cells is reduced by probenecid. <i>FEBS Letters</i> , 1990 , 273, 182-4 | 3.8 | 23 |
| 1 | Glucose-inhibition of glucagon secretion involves activation of GABAA-receptor chloride channels. <i>Nature</i> , 1989 , 341, 233-6 | 50.4 | 391 |