Per-Olof Berggren

List of Publications by Citations

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	The unique cytoarchitecture of human pancreatic islets has implications for islet cell function. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 2334-9	11.5	888
144	Glucose-inhibition of glucagon secretion involves activation of GABAA-receptor chloride channels. *Nature*, **1989**, 341, 233-6	50.4	391
143	Impaired insulin secretion and beta-cell loss in tissue-specific knockout mice with mitochondrial diabetes. *Nature Genetics*, **2000**, 26, 336-40	36.3	371
142	Adipsin is an adipokine that improves cell function in diabetes. *Cell*, **2014**, 158, 41-53	56.2	217
141	Alpha cells secrete acetylcholine as a non-neuronal paracrine signal priming beta cell function in humans. *Nature Medicine*, **2011**, 17, 888-92	50.5	201
140	The role of voltage-gated calcium channels in pancreatic beta-cell physiology and pathophysiology. *Endocrine Reviews*, **2006**, 27, 621-76	27.2	186
139	Requirement of inositol pyrophosphates for full exocytotic capacity in pancreatic beta cells. *Science* , **2007**, 318, 1299-302	33.3	147
138	Glutamate is a positive autocrine signal for glucagon release. *Cell Metabolism*, **2008**, 7, 545-54	24.6	146
137	Inositol trisphosphate-dependent periodic activation of a Ca(2+)-activated K+ conductance in glucose-stimulated pancreatic beta-cells. *Nature*, **1991**, 353, 849-52	50.4	125
136	Activation by adrenaline of a low-conductance G protein-dependent K+ channel in mouse pancreatic B cells. *Nature*, **1991**, 349, 77-9	50.4	123
135	Temporal patterns of changes in ATP/ADP ratio, glucose 6-phosphate and cytoplasmic free Ca2+ in glucose-stimulated pancreatic beta-cells. *Biochemical Journal*, **1996**, 314 (Pt 1), 91-4	3.8	108
134	Kynurenic Acid and Gpr35 Regulate Adipose Tissue Energy Homeostasis and Inflammation. *Cell Metabolism*, **2018**, 27, 378-392.e5	24.6	106
133	Receptor-mediated inhibition of renal Na(+)-K(+)-ATPase is associated with endocytosis of its alpha- and beta-subunits. *American Journal of Physiology - Cell Physiology*, **1997**, 273, C1458-65	5.4	104
132	Characterization of pancreatic NMDA receptors as possible drug targets for diabetes treatment. *Nature Medicine*, **2015**, 21, 363-72	50.5	100
131	Removal of Ca2+ channel beta3 subunit enhances Ca2+ oscillation frequency and insulin exocytosis. *Cell*, **2004**, 119, 273-84	56.2	100
130	Control of insulin secretion by cholinergic signaling in the human pancreatic islet. *Diabetes*, **2014**, 63, 2714-26	0.9	97
129	Human Beta Cells Produce and Release Serotonin to Inhibit Glucagon Secretion from Alpha Cells. *Cell Reports*, **2016**, 17, 3281-3291	10.6	90

128	Paracrine Interactions within the Pancreatic Islet Determine the Glycemic Set Point. *Cell Metabolism*, **2018**, 27, 549-558.e4	24.6	88
127	Donor islet endothelial cells in pancreatic islet revascularization. *Diabetes*, **2011**, 60, 2571-7	0.9	87
126	Insulin-feedback via PI3K-C2alpha activated PKBalpha/Akt1 is required for glucose-stimulated insulin secretion. *FASEB Journal*, **2010**, 24, 1824-37	0.9	85
125	Noninvasive in vivo model demonstrating the effects of autonomic innervation on pancreatic islet function. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 21456-61	11.5	75
124	Identification of a nuclear localization signal, RRMKWKK, in the homeodomain transcription factor PDX-1. *FEBS Letters*, **1999**, 461, 229-34	3.8	73
123	Ca(2+)-induced Ca2+ release in insulin-secreting cells. *FEBS Letters*, **1992**, 296, 287-91	3.8	69
122	Young capillary vessels rejuvenate aged pancreatic islets. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17612-7	11.5	68
121	Ciliary dysfunction impairs beta-cell insulin secretion and promotes development of type 2 diabetes in rodents. *Nature Communications*, **2014**, 5, 5308	17.4	66
120	Increase in cellular glutamate levels stimulates exocytosis in pancreatic beta-cells. *FEBS Letters*, **2002**, 531, 199-203	3.8	66
119	Sulfhydryl oxidation induces rapid and reversible closure of the ATP-regulated K+ channel in the pancreatic beta-cell. *FEBS Letters*, **1993**, 319, 128-32	3.8	62
118	New insights into the architecture of the islet of Langerhans: a focused cross-species assessment. *Diabetologia*, **2015**, 58, 2218-28	10.3	57
117	Ionic mechanisms in pancreatic □cell signaling. *Cellular and Molecular Life Sciences*, **2014**, 71, 4149-77	10.3	56
116	Modifications of Ca2+ signaling by inorganic mercury in PC12 cells. *FASEB Journal*, **1993**, 7, 1507-14	0.9	56
115	Apolipoprotein CIII links islet insulin resistance to □cell failure in diabetes. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2611-9	11.5	54
114	Liraglutide Compromises Pancreatic □Cell Function in a Humanized Mouse Model. *Cell Metabolism*, **2016**, 23, 541-6	24.6	49
113	Overexpression of rat neuronal calcium sensor-1 in rodent NG108-15 cells enhances synapse formation and transmission. *Journal of Physiology*, **2001**, 532, 649-59	3.9	46
112	Automated, High-Throughput Assays for Evaluation of Human Pancreatic Islet Function. *Cell Transplantation*, **2007**, 16, 1039-1048	4	42
111	Inositol hexakisphosphate increases L-type Ca2+ channel activity by stimulation of adenylyl cyclase. *FASEB Journal*, **2001**, 15, 1753-63	0.9	41

110	Agonistic aptamer to the insulin receptor leads to biased signaling and functional selectivity through allosteric modulation. *Nucleic Acids Research*, **2015**, 43, 7688-701	20.1	39
109	Structural basis for delta cell paracrine regulation in pancreatic islets. *Nature Communications*, **2019**, 10, 3700	17.4	38
108	DISC1 Modulates Neuronal Stress Responses by Gate-Keeping ER-Mitochondria Ca Transfer through the MAM. *Cell Reports*, **2017**, 21, 2748-2759	10.6	36
107	Glucose recruits K(ATP) channels via non-insulin-containing dense-core granules. *Cell Metabolism*, **2007**, 6, 217-28	24.6	33
106	Pancreatic Islet Survival and Engraftment Is Promoted by Culture on Functionalized Spider Silk Matrices. *PLoS ONE*, **2015**, 10, e0130169	3.7	31
105	New horizons in cellular regulation by inositol polyphosphates: insights from the pancreatic cell. *Pharmacological Reviews*, **2013**, 65, 641-69	22.5	30
104	Proteomic analysis of the palmitate-induced myotube secretome reveals involvement of the annexin A1-formyl peptide receptor 2 (FPR2) pathway in insulin resistance. *Molecular and Cellular Proteomics*, **2015**, 14, 882-92	7.6	28
103	Thiol oxidation by 2,2Sdithiodipyridine causes a reversible increase in cytoplasmic free Ca2+ concentration in pancreatic beta-cells. Role for inositol 1,4,5-trisphosphate-sensitive Ca2+ stores. *Biochemical Journal*, **1997**, 321 (Pt 2), 347-54	3.8	28
102	Protein kinase C activity affects glucose-induced oscillations in cytoplasmic free Ca2+ in the pancreatic B-cell. *FEBS Letters*, **1992**, 303, 85-90	3.8	28
101	Expression of voltage-gated K+ channels in insulin-producing cells. Analysis by polymerase chain reaction. *FEBS Letters*, **1990**, 263, 121-6	3.8	28
100	Defects in cell Ca2+ dynamics in age-induced diabetes. *Diabetes*, **2014**, 63, 4100-14	0.9	26
99	Pancreatic Islet Blood Flow Dynamics in Primates. *Cell Reports*, **2017**, 20, 1490-1501	10.6	26
98	Silk matrices promote formation of insulin-secreting islet-like clusters. *Biomaterials*, **2016**, 90, 50-61	15.6	25
97	Parallel changes in nuclear and cytosolic calcium in mouse pancreatic beta-cells. *Biochemical Journal*, **1997**, 325 (Pt 3), 771-8	3.8	25
96	PI3K-C2Knockdown Results in Rerouting of Insulin Signaling and Pancreatic Beta Cell Proliferation. *Cell Reports*, **2015**, 13, 15-22	10.6	24
95	Alpha 2-adrenoreceptor stimulation does not inhibit L-type calcium channels in mouse pancreatic beta-cells. *Bioscience Reports*, **1991**, 11, 147-57	4.1	24
94	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. *Nature Metabolism*, **2019**, 1, 1110-1126	14.6	23
93	Glucose-stimulated efflux of indo-1 from pancreatic beta-cells is reduced by probenecid. *FEBS Letters*, **1990**, 273, 182-4	3.8	23

92	Outer Hair Cell Lateral Wall Structure Constrains the Mobility of Plasma Membrane Proteins. *PLoS Genetics*, **2015**, 11, e1005500	6	23
91	Spatial and temporal coordination of insulin granule exocytosis in intact human pancreatic islets. *Diabetologia*, **2015**, 58, 2810-8	10.3	22
90	SNAP-25b-deficiency increases insulin secretion and changes spatiotemporal profile of Caoscillations in □cell networks. *Scientific Reports*, **2017**, 7, 7744	4.9	21
89	Intraocular imaging of pancreatic islet cell physiology/pathology. *Molecular Metabolism*, **2017**, 6, 1002-1009	8.9	21
88	Novel aspects on signal-transduction in the pancreatic beta-cell. *Nutrition, Metabolism and Cardiovascular Diseases*, **2006**, 16 Suppl 1, S7-10	4.5	20
87	Real-time detection of acetylcholine release from the human endocrine pancreas. *Nature Protocols*, **2012**, 7, 1015-23	18.8	19
86	Assembly of functionalized silk together with cells to obtain proliferative 3D cultures integrated in a network of ECM-like microfibers. *Scientific Reports*, **2019**, 9, 6291	4.9	18
85	Local release of rapamycin by microparticles delays islet rejection within the anterior chamber of the eye. *Scientific Reports*, **2019**, 9, 3918	4.9	18
84	Diet-induced □cell insulin resistance results in reversible loss of functional □cell mass. *FASEB Journal*, **2019**, 33, 204-218	0.9	18
83	In vivo imaging of kidney glomeruli transplanted into the anterior chamber of the mouse eye. *Scientific Reports*, **2014**, 4, 3872	4.9	18
82	Inositol hexakisphosphate kinase 1 is a metabolic sensor in pancreatic □cells. *Cellular Signalling*, **2018**, 46, 120-128	4.9	17
81	A key role for phosphorylated inositol compounds in pancreatic beta-cell stimulus-secretion coupling. *Advances in Enzyme Regulation*, **2008**, 48, 276-94		17
80	Changes in cytoplasmic ATP concentration parallels changes in ATP-regulated K+-channel activity in insulin-secreting cells. *FEBS Letters*, **1998**, 441, 97-102	3.8	16
79	Apolipoprotein a1 increases mitochondrial biogenesis through AMP-activated protein kinase. *Cellular Signalling*, **2015**, 27, 1873-81	4.9	15
78	Regulation of glucose homeostasis using radiogenetics and magnetogenetics in mice. *Nature Medicine*, **2015**, 21, 14-6	50.5	15
77	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. *PLoS ONE*, **2014**, 9, e98904	3.7	15
76	Regulation of cytoplasmic free Ca2+ in insulin-secreting cells. *Advances in Experimental Medicine and Biology*, **1993**, 334, 25-45	3.6	15
75	The eye as a novel imaging site in diabetes research. *Pharmacology & Therapeutics*, **2019**, 197, 103-121	13.9	14

74	Cell Ca(2+) dynamics and function are compromised in aging. *Advances in Biological Regulation*, **2015**, 57, 112-9	6.2	14
73	Mitochondrial GTP insensitivity contributes to hypoglycemia in hyperinsulinemia hyperammonemia by inhibiting glucagon release. *Diabetes*, **2014**, 63, 4218-29	0.9	14
72	In vivo Ca dynamics in single pancreatic cells. *FASEB Journal*, **2020**, 34, 945-959	0.9	14
71	Alpha cell regulation of beta cell function. *Diabetologia*, **2020**, 63, 2064-2075	10.3	14
70	Modelling of dysregulated glucagon secretion in type 2 diabetes by considering mitochondrial alterations in pancreatic cells. *Royal Society Open Science*, **2020**, 7, 191171	3.3	14
69	Nephrin Contributes to Insulin Secretion and Affects Mammalian Target of Rapamycin Signaling Independently of Insulin Receptor. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 1029-41	12.7	13
68	Enhanced expression of cell Ca3.1 channels impairs insulin release and glucose homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 448-453	11.5	12
67	Blocking Ca Channel Subunit Reverses Diabetes. *Cell Reports*, **2018**, 24, 922-934	10.6	12
66	TLR3-/4-Priming Differentially Promotes Ca(2+) Signaling and Cytokine Expression and Ca(2+)-Dependently Augments Cytokine Release in hMSCs. *Scientific Reports*, **2016**, 6, 23103	4.9	12
65	Islet macrophages are associated with islet vascular remodeling and compensatory hyperinsulinemia during diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E1108-E1120	6	11
64	In vivo imaging of type 1 diabetes immunopathology using eye-transplanted islets in NOD mice. *Diabetologia*, **2019**, 62, 1237-1250	10.3	11
63	Non-invasive cell type selective in vivo monitoring of insulin resistance dynamics. *Scientific Reports*, **2016**, 6, 21448	4.9	11
62	aP2-Cre-mediated inactivation of estrogen receptor alpha causes hydrometra. *PLoS ONE*, **2014**, 9, e85581	3.7	11
61	Phase modulation of insulin pulses enhances glucose regulation and enables inter-islet synchronization. *PLoS ONE*, **2017**, 12, e0172901	3.7	11
60	The anterior chamber of the eye is a transplantation site that supports and enables visualisation of beta cell development in mice. *Diabetologia*, **2016**, 59, 1007-11	10.3	11
59	A novel toolbox to investigate tissue spatial organization applied to the study of the islets of Langerhans. *Scientific Reports*, **2017**, 7, 44261	4.9	10
58	Operational immune tolerance towards transplanted allogeneic pancreatic islets in mice and a non-human primate. *Diabetologia*, **2019**, 62, 811-821	10.3	10
57	Polyamines in pancreatic islets of obese-hyperglycemic (ob/ob) mice of different ages. *American Journal of Physiology - Cell Physiology*, **2001**, 280, C317-23	5.4	10

56	Topologically selective islet vulnerability and self-sustained downregulation of markers for β-cell maturity in streptozotocin-induced diabetes. *Communications Biology*, **2020**, 3, 541	6.7	10
55	Preservation of Anticancer and Immunosuppressive Properties of Rapamycin Achieved Through Controlled Releasing Particles. *AAPS PharmSciTech*, **2017**, 18, 2648-2657	3.9	9
54	Phospholipase C-ε potentiates glucose-stimulated insulin secretion. *FASEB Journal*, **2019**, 33, 10668-10679	4.9	9
53	Glucose intolerance and pancreatic β-cell dysfunction in the anorectic anx/anx mouse. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E418-27	6	9
52	IgGs from patients with amyotrophic lateral sclerosis and diabetes target CaV1 subunits impairing islet cell function and survival. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**,	11.5	9
51	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. *FEBS Letters*, **1997**, 411, 301-7	3.8	8
50	Dissociation between exocytosis and Ca(2+)-channel activity in mouse pancreatic beta-cells stimulated with calmidazolium (compound R24571). *FEBS Letters*, **1995**, 369, 315-20	3.8	8
49	Kinetics of functional beta cell mass decay in a diphtheria toxin receptor mouse model of diabetes. *Scientific Reports*, **2017**, 7, 12440	4.9	7
48	Translational assessment of a genetic engineering methodology to improve islet function for transplantation. *EBioMedicine*, **2019**, 45, 529-541	8.8	7
47	Biochemical profiling of diabetes disease progression by multivariate vibrational microspectroscopy of the pancreas. *Scientific Reports*, **2017**, 7, 6646	4.9	7
46	ARA290 Improves Insulin Release and Glucose Tolerance in Type 2 Diabetic Goto-Kakizaki Rats. *Molecular Medicine*, **2016**, 21, 969-978	6.2	7
45	Glucokinase intrinsically regulates glucose sensing and glucagon secretion in pancreatic alpha cells. *Scientific Reports*, **2020**, 10, 20145	4.9	7
44	miR-31 regulates energy metabolism and is suppressed in T cells from patients with Sjögren's syndrome. *European Journal of Immunology*, **2019**, 49, 313-322	6.1	7
43	Secretome protein signature of human gastrointestinal stromal tumor cells. *Experimental Cell Research*, **2015**, 336, 158-70	4.2	6
42	Signaling and sites of interaction for RX-871024 and sulfonylurea in the stimulation of insulin release. *American Journal of Physiology - Endocrinology and Metabolism*, **1998**, 274, E751-7	6	6
41	Influence of phenytoin on cytoplasmic free Ca2+ level in human gingival fibroblasts. *European Journal of Oral Sciences*, **1991**, 99, 310-5	2.3	6
40	The Eye as a Transplantation Site to Monitor Pancreatic Islet Cell Plasticity. *Frontiers in Endocrinology*, **2021**, 12, 652853	5.7	6
39	Noninvasive intravital high-resolution imaging of pancreatic neuroendocrine tumours. *Scientific Reports*, **2019**, 9, 14636	4.9	5

38	Mechanisms of action of entero-insular hormones and neural input on the insulin secretory process. *Biochemical Society Transactions*, **1990**, 18, 119-22	5.1	5
37	Islet vascularization is regulated by primary endothelial cilia via VEGF-A-dependent signaling. *ELife*, **2020**, 9,	8.9	5
36	Human Islet Microtissues as an In Vitro and an In Vivo Model System for Diabetes. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
35	Protein kinase- and lipase inhibitors of inositide metabolism deplete IP indirectly in pancreatic cells: Off-target effects on cellular bioenergetics and direct effects on IP6K activity. *Cellular Signalling*, **2018**, 42, 127-133	4.9	4
34	Diabetes Prevention Through Antiviral Treatment in Biobreeding Rats. *Viral Immunology*, **2016**, 29, 452-458	1.7	4
33	An endogenous peptide isolated from the gut, NK-lysin, stimulates insulin secretion without changes in cytosolic free Ca2+ concentration. *FEBS Letters*, **1998**, 439, 267-70	3.8	4
32	Platelet factor 4 enhances CD4 T effector memory cell responses via Akt-PGC1TFAM signaling-mediated mitochondrial biogenesis. *Journal of Thrombosis and Haemostasis*, **2020**, 18, 2685-2700	15.4	4
31	Apolipoprotein CIII Is an Important Piece in the Type-1 Diabetes Jigsaw Puzzle. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
30	Inositol pyrophosphates and Akt/PKB: Is the pancreatic cell the exception to the rule?. *Cellular Signalling*, **2019**, 58, 131-136	4.9	3
29	Integrative microendoscopic system combined with conventional microscope for live animal tissue imaging. *Journal of Biophotonics*, **2018**, 11, e201800206	3.1	3
28	Effects of K(+)-induced depolarization and purinergic receptor activation on elemental content in insulin-producing RINm5F-cells. *Cell Biology International*, **1995**, 19, 25-34	4.5	3
27	Somatostatin promotes accumulation of phospholipids in regenerating liver tissue of rats. *Bioscience Reports*, **1991**, 11, 1-6	4.1	3
26	Interaction with the inositol 1,4,5-trisphosphate receptor promotes Ca2+ sequestration in permeabilised insulin-secreting cells. *FEBS Letters*, **1991**, 288, 27-9	3.8	3
25	Insulin modulates the frequency of Ca2+ oscillations in mouse pancreatic islets. *PLoS ONE*, **2017**, 12, e0183569	3.7	3
24	An integrative proteomics method identifies a regulator of translation during stem cell maintenance and differentiation. *Nature Communications*, **2021**, 12, 6558	17.4	3
23	The imidazoline compound RX871024 promotes insulinoma cell death independent of AMP-activated protein kinase inhibition. *Investigational New Drugs*, **2016**, 34, 522-9	4.3	3
22	Mechanistic understanding of insulin receptor modulation: Implications for the development of anti-diabetic drugs. *Pharmacology & Therapeutics*, **2018**, 185, 86-98	13.9	2
21	Lowering apolipoprotein CIII protects against high-fat diet-induced metabolic derangements. *Science Advances*, **2021**, 7,	14.3	2

20	Tissue-specific expression of insulin receptor isoforms in obesity/type 2 diabetes mouse models. *Journal of Cellular and Molecular Medicine*, **2021**, 25, 4800-4813	5.6	2
19	Insulinotropic compounds decrease endothelial cell survival. *Toxicology in Vitro*, **2016**, 33, 1-8	3.6	1
18	Electrical bursting in islet cells. *Nature*, **1992**, 357, 28-28	50.4	1
17	Studying the biology of cytotoxic T lymphocytes in vivo with a fluorescent granzyme B-mTFP knock-in mouse. *ELife*, **2020**, 9,	8.9	1
16	Identification of MDM2, YTHDF2 and DDX21 as potential biomarkers and targets for treatment of type 2 diabetes. *Biochemical and Biophysical Research Communications*, **2021**, 581, 110-117	3.4	1
15	Integration of Primary Endocrine Cells and Supportive Cells Using Functionalized Silk Promotes the Formation of Prevascularized Islet-like Clusters. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1186-1195	5.5	1
14	Ectopic Leptin Production by Intraocular Pancreatic Islet Organoids Ameliorates the Metabolic Phenotype of Mice. *Metabolites*, **2021**, 11,	5.6	1
13	XPR1 Mediates the Pancreatic Cell Phosphate Flush. *Diabetes*, **2021**, 70, 111-118	0.9	1
12	Intracameral Microimaging of Maturation of Human iPSC Derivatives into Islet Endocrine Cells.. *Cell Transplantation*, **2022**, 31, 9636897211066508	4	1
11	Destabilization of Cell FIT2 by saturated fatty acids alter lipid droplet numbers and contribute to ER stress and diabetes.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2113074119	11.5	1
10	HIF-1 inhibitor PX-478 preserves pancreatic cell function in diabetes.. *Science Translational Medicine*, **2022**, 14, eaba9112	17.5	1
9	Fitness, Food, and Biomarkers: Characterizing Body Composition in 19,634 Early Adolescents.. *Nutrients*, **2022**, 14,	6.7	1
8	Inositol hexakisphosphate primes syndapin I/PACSIN 1 activation in endocytosis.. *Cellular and Molecular Life Sciences*, **2022**, 79, 286	10.3	1
7	Diversity of respiratory parameters and metabolic adaptation to low oxygen tension in mesenchymal stromal cells.. *Metabolism Open*, **2022**, 13, 100167	2.8	0
6	Effectiveness of Antivirals in a Type 1 Diabetes Model and the Move Toward Human Trials. *Viral Immunology*, **2020**, 33, 594-599	1.7	0
5	Local Dexamethasone Administration Delays Allogeneic Islet Graft Rejection in the Anterior Chamber of the Eye of Non-Human Primates. *Cell Transplantation*, **2022**, 31, 096368972210980	4	0
4	Expression of truncated Kir6.2 promotes insertion of functionally inverted ATP-sensitive K channels. *Scientific Reports*, **2021**, 11, 21539	4.9	
3	Neither polyphenol-rich red wine nor fenofibrate affects the onset of type-1 diabetes mellitus in the BB rat. *Laboratory Animal Research*, **2018**, 34, 126-131	1.9	

2 Challenges in stem cell-derived islet replacement therapy can be overcome. *Cell Transplantation*, **2021**, 30, 9636897211045320 4

1 Intravital Ca imaging of pancreatic cell function after bariatric surgery.. *Cell Calcium*, **2022**, 104, 102566 4