Lena Eliasson

List of Publications by Year in Descending Order

145 papers	10,690 citations	55 h-index	101 g-index
161 ext. papers	11,980 ext. citations	7 avg, IF	5.91 L-index

#	Paper	IF	Citations
145	halfMAFA and MAFB regulate exocytosis-related genes in human cells.. *Acta Physiologica*, **2022**, e13761	5.6	0
144	Pancreatic alpha cells and glucagon secretion: Novel functions and targets in glucose homeostasis.. *Current Opinion in Pharmacology*, **2022**, 63, 102199	5.1	0
143	Human pancreatic islet miRNA-mRNA networks of altered miRNAs due to glycemic status.. *IScience*, **2022**, 25, 103995	6.1	1
142	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. *Cell Reports*, **2021**, 37, 109807	10.6	5
141	Replication study reveals miR-483-5p as an important target in prevention of cardiometabolic disease. *BMC Cardiovascular Disorders*, **2021**, 21, 162	2.3	4
140	Differential DNA Methylation and Expression of miRNAs in Adipose Tissue From Twin Pairs Discordant for Type 2 Diabetes. *Diabetes*, **2021**, 70, 2402-2418	0.9	1
139	SCRT1 is a novel beta cell transcription factor with insulin regulatory properties. *Molecular and Cellular Endocrinology*, **2021**, 521, 111107	4.4	2
138	Development and validation of a quantitative electron microscopy score to assess acute cellular stress in the human exocrine pancreas. *Journal of Pathology: Clinical Research*, **2021**, 7, 173-187	5.3	2
137	Diagnostic potential of miR-483 family for IGF-II producing non-islet cell tumor hypoglycemia. *European Journal of Endocrinology*, **2021**, 184, 41-49	6.5	3
136	Islet Function in the Pathogenesis of Cystic Fibrosis-Related Diabetes Mellitus. *Clinical Medicine Insights: Endocrinology and Diabetes*, **2021**, 14, 11795514211031204	4.3	0
135	A circular RNA generated from an intron of the insulin gene controls insulin secretion. *Nature Communications*, **2020**, 11, 5611	17.4	19
134	Pancreatic cells - The unsung heroes in islet function. *Seminars in Cell and Developmental Biology*, **2020**, 103, 41-50	7.5	20
133	Somatostatin secretion by Na-dependent Ca-induced Ca release in pancreatic delta-cells. *Nature Metabolism*, **2020**, 2, 32-40	14.6	15
132	Potential Protection Against Type 2 Diabetes in Obesity Through Lower CD36 Expression and Improved Exocytosis in Cells. *Diabetes*, **2020**, 69, 1193-1205	0.9	19
131	Glucocorticoid induces human beta cell dysfunction by involving riborepressor GAS5 LincRNA. *Molecular Metabolism*, **2020**, 32, 160-167	8.8	20
130	The TCF7L2-dependent high-voltage activated calcium channel subunit 1 controls calcium signaling in rodent pancreatic beta-cells. *Molecular and Cellular Endocrinology*, **2020**, 502, 110673	4.4	5
129	Apolipoprotein A-I primes beta cells to increase glucose stimulated insulin secretion. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165613	6.9	10

128	Exposure to maternal obesity programs sex differences in pancreatic islets of the offspring in mice. *Diabetologia*, **2020**, 63, 324-337	10.3	18
127	Micro(RNA) Management and Mismanagement of the Islet. *Journal of Molecular Biology*, **2020**, 432, 1419-1428	6.5	20
126	MicroRNA Networks in Pancreatic Islet Cells: Normal Function and Type 2 Diabetes. *Diabetes*, **2020**, 69, 804-812	0.9	15
125	Selectively Bred Diabetes Models: GK Rats, NSY Mice, and ON Mice. *Methods in Molecular Biology*, **2020**, 2128, 25-54	1.4	5
124	Glucolipotoxicity Alters Insulin Secretion via Epigenetic Changes in Human Islets. *Diabetes*, **2019**, 68, 1965-1974	0.9	15
123	In Vivo Silencing of MicroRNA-132 Reduces Blood Glucose and Improves Insulin Secretion. *Nucleic Acid Therapeutics*, **2019**, 29, 67-72	4.8	18
122	The calcium channel subunit gamma-4 is regulated by MafA and necessary for pancreatic beta-cell specification. *Communications Biology*, **2019**, 2, 106	6.7	7
121	Defective exocytosis and processing of insulin in a cystic fibrosis mouse model. *Journal of Endocrinology*, **2019**,	4.7	8
120	N-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. *Scientific Reports*, **2018**, 8, 3016	4.9	29
119	Islet microRNAs in health and type-2 diabetes. *Current Opinion in Pharmacology*, **2018**, 43, 46-52	5.1	14
118	MC1568 improves insulin secretion in islets from type 2 diabetes patients and rescues β-cell dysfunction caused by Hdac7 upregulation. *Acta Diabetologica*, **2018**, 55, 1231-1235	3.9	21
117	miR-483-5p associates with obesity and insulin resistance and independently associates with new onset diabetes mellitus and cardiovascular disease. *PLoS ONE*, **2018**, 13, e0206974	3.7	28
116	MicroRNAs in islet hormone secretion. *Diabetes, Obesity and Metabolism*, **2018**, 20 Suppl 2, 11-19	6.7	38
115	Whole-Genome Bisulfite Sequencing of Human Pancreatic Islets Reveals Novel Differentially Methylated Regions in Type 2 Diabetes Pathogenesis. *Diabetes*, **2017**, 66, 1074-1085	0.9	96
114	Neuron-enriched RNA-binding Proteins Regulate Pancreatic Beta Cell Function and Survival. *Journal of Biological Chemistry*, **2017**, 292, 3466-3480	5.4	31
113	An alpha-beta atlas of pancreatic islet microribonucleotides. *International Journal of Biochemistry and Cell Biology*, **2017**, 88, 208-219	5.6	16
112	Endogenous beta-cell CART regulates insulin secretion and transcription of beta-cell genes. *Molecular and Cellular Endocrinology*, **2017**, 447, 52-60	4.4	8
111	The small RNA miR-375 - a pancreatic islet abundant miRNA with multiple roles in endocrine beta cell function. *Molecular and Cellular Endocrinology*, **2017**, 456, 95-101	4.4	53

110	Mitochondrial transcription factor B2 is essential for mitochondrial and cellular function in pancreatic Ecells. *Molecular Metabolism*, **2017**, 6, 651-663	8.8	26
109	Sox5 regulates beta-cell phenotype and is reduced in type 2 diabetes. *Nature Communications*, **2017**, 8, 15652	17.4	22
108	Elevated miR-130a/miR130b/miR-152 expression reduces intracellular ATP levels in the pancreatic beta cell. *Scientific Reports*, **2017**, 7, 44986	4.9	43
107	CFTR is involved in the regulation of glucagon secretion in human and rodent alpha cells. *Scientific Reports*, **2017**, 7, 90	4.9	37
106	Lessons from basic pancreatic beta cell research in type-2 diabetes and vascular complications. *Diabetology International*, **2017**, 8, 139-152	2.3	4
105	Identification of islet-enriched long non-coding RNAs contributing to Ecell failure in type 2 diabetes. *Molecular Metabolism*, **2017**, 6, 1407-1418	8.8	41
104	PIWI-interacting RNAs as novel regulators of pancreatic beta cell function. *Diabetologia*, **2017**, 60, 1977-1986	10.3	26
103	MiR-335 overexpression impairs insulin secretion through defective priming of insulin vesicles. *Physiological Reports*, **2017**, 5, e13493	2.6	21
102	HDAC7 is overexpressed in human diabetic islets and impairs insulin secretion in rat islets and clonal beta cells. *Diabetologia*, **2017**, 60, 116-125	10.3	50
101	Inhibition of phosphodiesterase 3, 4, and 5 induces endolymphatic hydrops in mouse inner ear, as evaluated with repeated 9.4T MRI. *Acta Oto-Laryngologica*, **2017**, 137, 8-15	1.6	9
100	Osteopontin Affects Insulin Vesicle Localization and Ca2+ Homeostasis in Pancreatic Beta Cells from Female Mice. *PLoS ONE*, **2017**, 12, e0170498	3.7	4
99	Confluence does not affect the expression of miR-375 and its direct targets in rat and human insulin-secreting cell lines. *PeerJ*, **2017**, 5, e3503	3.1	3
98	Integrator of Stress Responses Calmodulin Binding Transcription Activator 1 (Camta1) Regulates miR-212/miR-132 Expression and Insulin Secretion. *Journal of Biological Chemistry*, **2016**, 291, 18440-52	5.4	18
97	Dual Effect of Rosuvastatin on Glucose Homeostasis Through Improved Insulin Sensitivity and Reduced Insulin Secretion. *EBioMedicine*, **2016**, 10, 185-94	8.8	15
96	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. *Nature Communications*, **2016**, 7, 11089	17.4	145
95	Transcriptional regulation of the miR-212/miR-132 cluster in insulin-secreting Ecells by cAMP-regulated transcriptional co-activator 1 and salt-inducible kinases. *Molecular and Cellular Endocrinology*, **2016**, 424, 23-33	4.4	40
94	CD46 Activation Regulates miR-150-Mediated Control of GLUT1 Expression and Cytokine Secretion in Human CD4+ T Cells. *Journal of Immunology*, **2016**, 196, 1636-45	5.3	36
93	Serotonin (5-HT) receptor 2b activation augments glucose-stimulated insulin secretion in human and mouse islets of Langerhans. *Diabetologia*, **2016**, 59, 744-54	10.3	41

92	Rosuvastatin Treatment Affects Both Basal and Glucose-Induced Insulin Secretion in INS-1 832/13 Cells. *PLoS ONE*, **2016**, 11, e0151592	3.7	18
91	Partners for life. *ELife*, **2016**, 5,	8.9	1
90	miR-184 Regulates Pancreatic Cell Function According to Glucose Metabolism. *Journal of Biological Chemistry*, **2015**, 290, 20284-94	5.4	44
89	Bone morphogenetic protein 4 inhibits insulin secretion from rodent beta cells through regulation of calbindin1 expression and reduced voltage-dependent calcium currents. *Diabetologia*, **2015**, 58, 1282-90	10.3	15
88	Predictive models of glucose control: roles for glucose-sensing neurones. *Acta Physiologica*, **2015**, 213, 7-18	5.6	29
87	Modulation of microRNA-375 expression alters voltage-gated Na(+) channel properties and exocytosis in insulin-secreting cells. *Acta Physiologica*, **2015**, 213, 882-92	5.6	34
86	Exposure to bisphenol A, but not phthalates, increases spontaneous diabetes type 1 development in NOD mice. *Toxicology Reports*, **2015**, 2, 99-110	4.8	30
85	Dynamic magnetic fields remote-control apoptosis via nanoparticle rotation. *ACS Nano*, **2014**, 8, 3192-201	16.7	138
84	Role of non-coding RNAs in pancreatic beta-cell development and physiology. *Acta Physiologica*, **2014**, 211, 273-84	5.6	55
83	The exocytotic machinery. *Acta Physiologica*, **2014**, 210, 455-7	5.6	3
82	Global genomic and transcriptomic analysis of human pancreatic islets reveals novel genes influencing glucose metabolism. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13924-9	11.5	297
81	Loss of TFB1M results in mitochondrial dysfunction that leads to impaired insulin secretion and diabetes. *Human Molecular Genetics*, **2014**, 23, 5733-49	5.6	37
80	CFTR and Anoctamin 1 (ANO1) contribute to cAMP amplified exocytosis and insulin secretion in human and murine pancreatic beta-cells. *BMC Medicine*, **2014**, 12, 87	11.4	79
79	Argonaute2 mediates compensatory expansion of the pancreatic cell. *Cell Metabolism*, **2014**, 19, 122-34	24.6	113
78	Calcium current inactivation rather than pool depletion explains reduced exocytotic rate with prolonged stimulation in insulin-secreting INS-1 832/13 cells. *PLoS ONE*, **2014**, 9, e103874	3.7	4
77	Functional implications of long non-coding RNAs in the pancreatic islets of Langerhans. *Frontiers in Genetics*, **2014**, 5, 209	4.5	34
76	Sex differences in the genome-wide DNA methylation pattern and impact on gene expression, microRNA levels and insulin secretion in human pancreatic islets. *Genome Biology*, **2014**, 15, 522	18.3	130
75	Genome-wide DNA methylation analysis of human pancreatic islets from type 2 diabetic and non-diabetic donors identifies candidate genes that influence insulin secretion. *PLoS Genetics*, **2014**, 10, e1004160	6	316

74	Nova1 is a master regulator of alternative splicing in pancreatic beta cells. *Nucleic Acids Research*, **2014**, 42, 11818-30	20.1	53
73	MicroRNA-7a regulates pancreatic □cell function. *Journal of Clinical Investigation*, **2014**, 124, 2722-35	15.9	193
72	Regulation of Pancreatic Beta Cell Stimulus-Secretion Coupling by microRNAs. *Genes*, **2014**, 5, 1018-31	4.2	33
71	Fast surface acoustic wave-matrix-assisted laser desorption ionization mass spectrometry of cell response from islets of Langerhans. *Analytical Chemistry*, **2013**, 85, 2623-9	7.8	14
70	Multivesicular exocytosis in rat pancreatic beta cells. *Diabetologia*, **2012**, 55, 1001-12	10.3	32
69	Reduced insulin exocytosis in human pancreatic □cells with gene variants linked to type 2 diabetes. *Diabetes*, **2012**, 61, 1726-33	0.9	174
68	Secreted frizzled-related protein 4 reduces insulin secretion and is overexpressed in type 2 diabetes. *Cell Metabolism*, **2012**, 16, 625-33	24.6	146
67	Reduced insulin secretion correlates with decreased expression of exocytotic genes in pancreatic islets from patients with type 2 diabetes. *Molecular and Cellular Endocrinology*, **2012**, 364, 36-45	4.4	86
66	Synapsins I and II are not required for insulin secretion from mouse pancreatic □cells. *Endocrinology*, **2012**, 153, 2112-9	4.8	9
65	Differences in islet-enriched miRNAs in healthy and glucose intolerant human subjects. *Biochemical and Biophysical Research Communications*, **2011**, 404, 16-22	3.4	74
64	Differential glucose-regulation of microRNAs in pancreatic islets of non-obese type 2 diabetes model Goto-Kakizaki rat. *PLoS ONE*, **2011**, 6, e18613	3.7	135
63	Electrophysiology of pancreatic □cells in intact mouse islets of Langerhans. *Progress in Biophysics and Molecular Biology*, **2011**, 107, 224-35	4.7	75
62	Mathematical modeling and statistical analysis of calcium-regulated insulin granule exocytosis in □cells from mice and humans. *Progress in Biophysics and Molecular Biology*, **2011**, 107, 257-64	4.7	23
61	Glucose-dependent docking and SNARE protein-mediated exocytosis in mouse pancreatic alpha-cell. *Pflugers Archiv European Journal of Physiology*, **2011**, 462, 443-54	4.6	28
60	Pleiotropic effects of GIP on islet function involve osteopontin. *Diabetes*, **2011**, 60, 2424-33	0.9	72
59	Beta-cell specific deletion of Dicer1 leads to defective insulin secretion and diabetes mellitus. *PLoS ONE*, **2011**, 6, e29166	3.7	104
58	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	24.6	194
57	Overexpression of alpha2A-adrenergic receptors contributes to type 2 diabetes. *Science*, **2010**, 327, 217-20	33.3	213

56	Enhancement of glucagon secretion in mouse and human pancreatic alpha cells by protein kinase C (PKC) involves intracellular trafficking of PKCalpha and PKCdelta. *Diabetologia*, **2010**, 53, 717-29	10.3	17
55	Truncation of SNAP-25 reduces the stimulatory action of cAMP on rapid exocytosis in insulin-secreting cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E452-61	6	33
54	Insulin secretion is highly sensitive to desorption of plasma membrane cholesterol. *FASEB Journal*, **2009**, 23, 58-67	0.9	66
53	A beta cell-specific knockout of hormone-sensitive lipase in mice results in hyperglycaemia and disruption of exocytosis. *Diabetologia*, **2009**, 52, 271-80	10.3	37
52	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, 309-15	24.6	38
51	Impaired insulin exocytosis in neural cell adhesion molecule-/- mice due to defective reorganization of the submembrane F-actin network. *Endocrinology*, **2009**, 150, 3067-75	4.8	34
50	Novel aspects of the molecular mechanisms controlling insulin secretion. *Journal of Physiology*, **2008**, 586, 3313-24	3.9	139
49	Lack of cholesterol mobilization in islets of hormone-sensitive lipase deficient mice impairs insulin secretion. *Biochemical and Biophysical Research Communications*, **2008**, 376, 558-62	3.4	15
48	CaV1.2 rather than CaV1.3 is coupled to glucose-stimulated insulin secretion in INS-1 832/13 cells. *Journal of Molecular Endocrinology*, **2008**, 41, 1-11	4.5	33
47	Cell coupling in mouse pancreatic beta-cells measured in intact islets of Langerhans. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2008**, 366, 3503-23	3	58
46	Long-term exposure of mouse pancreatic islets to oleate or palmitate results in reduced glucose-induced somatostatin and oversecretion of glucagon. *Diabetologia*, **2008**, 51, 1689-93	10.3	23
45	Why treatment fails in type 2 diabetes. *PLoS Medicine*, **2008**, 5, e215	11.6	8
44	R-type Ca(2+)-channel-evoked CICR regulates glucose-induced somatostatin secretion. *Nature Cell Biology*, **2007**, 9, 453-60	23.4	86
43	Beta-cell PDE3B regulates Ca2+-stimulated exocytosis of insulin. *Cellular Signalling*, **2007**, 19, 1505-13	4.9	22
42	A K ATP channel-dependent pathway within alpha cells regulates glucagon release from both rodent and human islets of Langerhans. *PLoS Biology*, **2007**, 5, e143	9.7	175
41	Long-term exposure to glucose and lipids inhibits glucose-induced insulin secretion downstream of granule fusion with plasma membrane. *Diabetes*, **2007**, 56, 1888-97	0.9	75
40	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, 2431-6	11.5	100
39	Secretory and electrophysiological characteristics of insulin cells from gastrectomized mice: evidence for the existence of insulinotropic agents in the stomach. *Regulatory Peptides*, **2007**, 139, 31-8		1

38	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, 503-15	4.5	32
37	Adenovirus-mediated silencing of synaptotagmin 9 inhibits Ca2+-dependent insulin secretion in islets. *FEBS Letters*, **2005**, 579, 5241-6	3.8	44
36	Somatostatin, misoprostol and galanin inhibit gastrin- and PACAP-stimulated secretion of histamine and pancreastatin from ECL cells by blocking specific Ca2+ channels. *Regulatory Peptides*, **2005**, 130, 81-90		13
35	Calcium increases endocytotic vesicle size and accelerates membrane fission in insulin-secreting INS-1 cells. *Journal of Cell Science*, **2005**, 118, 5911-20	5.3	60
34	Regulated exocytosis and kiss-and-run of synaptic-like microvesicles in INS-1 and primary rat beta-cells. *Diabetes*, **2005**, 54, 736-43	0.9	60
33	Glucagon stimulates exocytosis in mouse and rat pancreatic alpha-cells by binding to glucagon receptors. *Molecular Endocrinology*, **2005**, 19, 198-212		94
32	Regulated exocytosis of GABA-containing synaptic-like microvesicles in pancreatic beta-cells. *Journal of General Physiology*, **2004**, 123, 191-204	3.4	108
31	The first gamma-carboxyglutamic acid-containing contryphan. A selective L-type calcium ion channel blocker isolated from the venom of Conus marmoreus. *Journal of Biological Chemistry*, **2004**, 279, 32453-63	5.4	59
30	A pancreatic islet-specific microRNA regulates insulin secretion. *Nature*, **2004**, 432, 226-30	50.4	1714
29	Capacitance measurements of exocytosis in mouse pancreatic alpha-, beta- and delta-cells within intact islets of Langerhans. *Journal of Physiology*, **2004**, 556, 711-26	3.9	127
28	Large dense-core vesicle exocytosis in pancreatic beta-cells monitored by capacitance measurements. *Methods*, **2004**, 33, 302-11	4.6	36
27	Requirement for N-ethylmaleimide-sensitive factor for exocytosis of insulin-containing secretory granules in pancreatic beta-cells. *Biochemical Society Transactions*, **2003**, 31, 842-7	5.1	3
26	SUR1 regulates PKA-independent cAMP-induced granule priming in mouse pancreatic B-cells. *Journal of General Physiology*, **2003**, 121, 181-97	3.4	222
25	Fast insulin secretion reflects exocytosis of docked granules in mouse pancreatic B-cells. *Pflugers Archiv European Journal of Physiology*, **2002**, 444, 43-51	4.6	219
24	A subset of 50 secretory granules in close contact with L-type Ca2+ channels accounts for first-phase insulin secretion in mouse beta-cells. *Diabetes*, **2002**, 51 Suppl 1, S74-82	0.9	171
23	Gastrin and the neuropeptide PACAP evoke secretion from rat stomach histamine-containing (ECL) cells by stimulating influx of Ca2+ through different Ca2+ channels. *Journal of Physiology*, **2001**, 535, 663-77	3.9	27
22	Fast exocytosis with few Ca(2+) channels in insulin-secreting mouse pancreatic B cells. *Biophysical Journal*, **2001**, 81, 3308-23	2.9	207
21	Priming of insulin granules for exocytosis by granular Cl⁻ uptake and acidification. *Journal of Cell Science*, **2001**, 114, 2145-2154	5.3	141

20	Priming of insulin granules for exocytosis by granular Cl(-) uptake and acidification. *Journal of Cell Science*, **2001**, 114, 2145-54	5.3	123
19	The Cell Physiology of Biphasic Insulin Secretion. *Physiology*, **2000**, 15, 72-77	9.8	138
18	Tight coupling between electrical activity and exocytosis in mouse glucagon-secreting alpha-cells. *Diabetes*, **2000**, 49, 1500-10	0.9	179
17	The stimulatory action of tolbutamide on Ca2+-dependent exocytosis in pancreatic beta 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, 5539-44	11.5	65
16	Activation of Ca(2+)-dependent K(+) channels contributes to rhythmic firing of action potentials in mouse pancreatic beta cells. *Journal of General Physiology*, **1999**, 114, 759-70	3.4	122
15	CaM kinase II-dependent mobilization of secretory granules underlies acetylcholine-induced stimulation of exocytosis in mouse pancreatic B-cells. *Journal of Physiology*, **1999**, 518 (Pt 3), 745-59	3.9	79
14	Protein kinase A-dependent and -independent stimulation of exocytosis by cAMP in mouse pancreatic B-cells. *Journal of Physiology*, **1997**, 502 (Pt 1), 105-18	3.9	228
13	Rapid ATP-dependent priming of secretory granules precedes Ca(2+)-induced exocytosis in mouse pancreatic B-cells. *Journal of Physiology*, **1997**, 503 (Pt 2), 399-412	3.9	165
12	Components of insulin secretion: lessons to be learnt from capacitance. *The Japanese Journal of Physiology*, **1997**, 47 Suppl 1, S21		
11	Endocytosis of secretory granules in mouse pancreatic beta-cells evoked by transient elevation of cytosolic calcium. *Journal of Physiology*, **1996**, 493 (Pt 3), 755-67	3.9	73
10	PKC-dependent stimulation of exocytosis by sulfonylureas in pancreatic beta cells. *Science*, **1996**, 271, 813-5	33.3	176
9	Cooling inhibits exocytosis in single mouse pancreatic B-cells by suppression of granule mobilization. *Journal of Physiology*, **1996**, 494 (Pt 1), 41-52	3.9	78
8	Ca(2+)- and GTP-dependent exocytosis in mouse pancreatic beta-cells involves both common and distinct steps. *Journal of Physiology*, **1996**, 496 (Pt 1), 255-64	3.9	58
7	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	13	207
6	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	13	103
5	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, 4343-7	11.5	184
4	Ion channels, electrical activity and insulin secretion. *Diabète & Métabolisme*, **1994**, 20, 138-45		13
3	Exocytosis elicited by action potentials and voltage-clamp calcium currents in individual mouse pancreatic B-cells. *Journal of Physiology*, **1993**, 472, 665-88	3.9	213

2	Exposure to maternal obesityper seprograms sex-differences in pancreatic islets of the offspring		1
1	Secretory granule exocytosis and its amplification by cAMP in pancreatic Ecells. *Diabetology International*,1	2.3	0