

Lena Eliasson

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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	A pancreatic islet-specific microRNA regulates insulin secretion. <i>Nature</i> , 2004 , 432, 226-30	50.4	1714
144	Genome-wide DNA methylation analysis of human pancreatic islets from type 2 diabetic and non-diabetic donors identifies candidate genes that influence insulin secretion. <i>PLoS Genetics</i> , 2014 , 10, e1004160	6	316
143	Global genomic and transcriptomic analysis of human pancreatic islets reveals novel genes influencing glucose metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13924-9	11.5	297
142	Protein kinase A-dependent and -independent stimulation of exocytosis by cAMP in mouse pancreatic B-cells. <i>Journal of Physiology</i> , 1997 , 502 (Pt 1), 105-18	3.9	228
141	SUR1 regulates PKA-independent cAMP-induced granule priming in mouse pancreatic B-cells. <i>Journal of General Physiology</i> , 2003 , 121, 181-97	3.4	222
140	Fast insulin secretion reflects exocytosis of docked granules in mouse pancreatic B-cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 444, 43-51	4.6	219
139	Overexpression of alpha2A-adrenergic receptors contributes to type 2 diabetes. <i>Science</i> , 2010 , 327, 217-20	33.3	213
138	Exocytosis elicited by action potentials and voltage-clamp calcium currents in individual mouse pancreatic B-cells. <i>Journal of Physiology</i> , 1993 , 472, 665-88	3.9	213
137	Fast exocytosis with few Ca(2+) channels in insulin-secreting mouse pancreatic B cells. <i>Biophysical Journal</i> , 2001 , 81, 3308-23	2.9	207
136	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. <i>EMBO Journal</i> , 1995 , 14, 50-57	13	207
135	GLP-1 inhibits and adrenaline stimulates glucagon release by differential modulation of N- and L-type Ca2+ channel-dependent exocytosis. <i>Cell Metabolism</i> , 2010 , 11, 543-553	24.6	194
134	MicroRNA-7a regulates pancreatic β cell function. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2722-35	15.9	193
133	Activation of protein kinases and inhibition of protein phosphatases play a central role in the regulation of exocytosis in mouse pancreatic beta cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 4343-7	11.5	184
132	Tight coupling between electrical activity and exocytosis in mouse glucagon-secreting alpha-cells. <i>Diabetes</i> , 2000 , 49, 1500-10	0.9	179
131	PKC-dependent stimulation of exocytosis by sulfonylureas in pancreatic beta cells. <i>Science</i> , 1996 , 271, 813-5	33.3	176
130	A K ATP channel-dependent pathway within alpha cells regulates glucagon release from both rodent and human islets of Langerhans. <i>PLoS Biology</i> , 2007 , 5, e143	9.7	175
129	Reduced insulin exocytosis in human pancreatic β cells with gene variants linked to type 2 diabetes. <i>Diabetes</i> , 2012 , 61, 1726-33	0.9	174

128	A subset of 50 secretory granules in close contact with L-type Ca ²⁺ channels accounts for first-phase insulin secretion in mouse beta-cells. <i>Diabetes</i> , 2002 , 51 Suppl 1, S74-82	0.9	171
127	Rapid ATP-dependent priming of secretory granules precedes Ca ²⁺ -induced exocytosis in mouse pancreatic B-cells. <i>Journal of Physiology</i> , 1997 , 503 (Pt 2), 399-412	3.9	165
126	Secreted frizzled-related protein 4 reduces insulin secretion and is overexpressed in type 2 diabetes. <i>Cell Metabolism</i> , 2012 , 16, 625-33	24.6	146
125	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. <i>Nature Communications</i> , 2016 , 7, 11089	17.4	145
124	Priming of insulin granules for exocytosis by granular Cl ⁻ uptake and acidification. <i>Journal of Cell Science</i> , 2001 , 114, 2145-2154	5.3	141
123	Novel aspects of the molecular mechanisms controlling insulin secretion. <i>Journal of Physiology</i> , 2008 , 586, 3313-24	3.9	139
122	Dynamic magnetic fields remote-control apoptosis via nanoparticle rotation. <i>ACS Nano</i> , 2014 , 8, 3192-2016.7	16.7	138
121	The Cell Physiology of Biphasic Insulin Secretion. <i>Physiology</i> , 2000 , 15, 72-77	9.8	138
120	Differential glucose-regulation of microRNAs in pancreatic islets of non-obese type 2 diabetes model Goto-Kakizaki rat. <i>PLoS ONE</i> , 2011 , 6, e18613	3.7	135
119	Sex differences in the genome-wide DNA methylation pattern and impact on gene expression, microRNA levels and insulin secretion in human pancreatic islets. <i>Genome Biology</i> , 2014 , 15, 522	18.3	130
118	Capacitance measurements of exocytosis in mouse pancreatic alpha-, beta- and delta-cells within intact islets of Langerhans. <i>Journal of Physiology</i> , 2004 , 556, 711-26	3.9	127
117	Priming of insulin granules for exocytosis by granular Cl ⁻ uptake and acidification. <i>Journal of Cell Science</i> , 2001 , 114, 2145-54	5.3	123
116	Activation of Ca ²⁺ -dependent K ⁺ channels contributes to rhythmic firing of action potentials in mouse pancreatic beta cells. <i>Journal of General Physiology</i> , 1999 , 114, 759-70	3.4	122
115	Argonaute2 mediates compensatory expansion of the pancreatic β cell. <i>Cell Metabolism</i> , 2014 , 19, 122-34	24.6	113
114	Regulated exocytosis of GABA-containing synaptic-like microvesicles in pancreatic beta-cells. <i>Journal of General Physiology</i> , 2004 , 123, 191-204	3.4	108
113	Beta-cell specific deletion of Dicer1 leads to defective insulin secretion and diabetes mellitus. <i>PLoS ONE</i> , 2011 , 6, e29166	3.7	104
112	Co-localization of L-type Ca ²⁺ channels and insulin-containing secretory granules and its significance for the initiation of exocytosis in mouse pancreatic B-cells. <i>EMBO Journal</i> , 1995 , 14, 50-7	13	103
111	A dominant mutation in Snap25 causes impaired vesicle trafficking, sensorimotor gating, and ataxia in the blind-drunk mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2431-6	11.5	100

110	Whole-Genome Bisulfite Sequencing of Human Pancreatic Islets Reveals Novel Differentially Methylated Regions in Type 2 Diabetes Pathogenesis. <i>Diabetes</i> , 2017 , 66, 1074-1085	0.9	96
109	Glucagon stimulates exocytosis in mouse and rat pancreatic alpha-cells by binding to glucagon receptors. <i>Molecular Endocrinology</i> , 2005 , 19, 198-212		94
108	Reduced insulin secretion correlates with decreased expression of exocytotic genes in pancreatic islets from patients with type 2 diabetes. <i>Molecular and Cellular Endocrinology</i> , 2012 , 364, 36-45	4.4	86
107	R-type Ca(2+)-channel-evoked CICR regulates glucose-induced somatostatin secretion. <i>Nature Cell Biology</i> , 2007 , 9, 453-60	23.4	86
106	CFTR and Anoctamin 1 (ANO1) contribute to cAMP amplified exocytosis and insulin secretion in human and murine pancreatic beta-cells. <i>BMC Medicine</i> , 2014 , 12, 87	11.4	79
105	CaM kinase II-dependent mobilization of secretory granules underlies acetylcholine-induced stimulation of exocytosis in mouse pancreatic B-cells. <i>Journal of Physiology</i> , 1999 , 518 (Pt 3), 745-59	3.9	79
104	Cooling inhibits exocytosis in single mouse pancreatic B-cells by suppression of granule mobilization. <i>Journal of Physiology</i> , 1996 , 494 (Pt 1), 41-52	3.9	78
103	Electrophysiology of pancreatic B-cells in intact mouse islets of Langerhans. <i>Progress in Biophysics and Molecular Biology</i> , 2011 , 107, 224-35	4.7	75
102	Long-term exposure to glucose and lipids inhibits glucose-induced insulin secretion downstream of granule fusion with plasma membrane. <i>Diabetes</i> , 2007 , 56, 1888-97	0.9	75
101	Differences in islet-enriched miRNAs in healthy and glucose intolerant human subjects. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 404, 16-22	3.4	74
100	Endocytosis of secretory granules in mouse pancreatic beta-cells evoked by transient elevation of cytosolic calcium. <i>Journal of Physiology</i> , 1996 , 493 (Pt 3), 755-67	3.9	73
99	Pleiotropic effects of GIP on islet function involve osteopontin. <i>Diabetes</i> , 2011 , 60, 2424-33	0.9	72
98	Insulin secretion is highly sensitive to desorption of plasma membrane cholesterol. <i>FASEB Journal</i> , 2009 , 23, 58-67	0.9	66
97	The stimulatory action of tolbutamide on Ca ²⁺ -dependent exocytosis in pancreatic beta cells is mediated by a 65-kDa mdr-like P-glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 5539-44	11.5	65
96	Calcium increases endocytotic vesicle size and accelerates membrane fission in insulin-secreting INS-1 cells. <i>Journal of Cell Science</i> , 2005 , 118, 5911-20	5.3	60
95	Regulated exocytosis and kiss-and-run of synaptic-like microvesicles in INS-1 and primary rat beta-cells. <i>Diabetes</i> , 2005 , 54, 736-43	0.9	60
94	The first gamma-carboxyglutamic acid-containing contryphan. A selective L-type calcium ion channel blocker isolated from the venom of <i>Conus marmoreus</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 32453-63	5.4	59
93	Cell coupling in mouse pancreatic beta-cells measured in intact islets of Langerhans. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008 , 366, 3503-23	3	58

92	Ca(2+)- and GTP-dependent exocytosis in mouse pancreatic beta-cells involves both common and distinct steps. <i>Journal of Physiology</i> , 1996 , 496 (Pt 1), 255-64	3.9	58
91	Role of non-coding RNAs in pancreatic beta-cell development and physiology. <i>Acta Physiologica</i> , 2014 , 211, 273-84	5.6	55
90	The small RNA miR-375 - a pancreatic islet abundant miRNA with multiple roles in endocrine beta cell function. <i>Molecular and Cellular Endocrinology</i> , 2017 , 456, 95-101	4.4	53
89	Nova1 is a master regulator of alternative splicing in pancreatic beta cells. <i>Nucleic Acids Research</i> , 2014 , 42, 11818-30	20.1	53
88	HDAC7 is overexpressed in human diabetic islets and impairs insulin secretion in rat islets and clonal beta cells. <i>Diabetologia</i> , 2017 , 60, 116-125	10.3	50
87	miR-184 Regulates Pancreatic β Cell Function According to Glucose Metabolism. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20284-94	5.4	44
86	Adenovirus-mediated silencing of synaptotagmin 9 inhibits Ca ²⁺ -dependent insulin secretion in islets. <i>FEBS Letters</i> , 2005 , 579, 5241-6	3.8	44
85	Elevated miR-130a/miR130b/miR-152 expression reduces intracellular ATP levels in the pancreatic beta cell. <i>Scientific Reports</i> , 2017 , 7, 44986	4.9	43
84	Serotonin (5-HT) receptor 2b activation augments glucose-stimulated insulin secretion in human and mouse islets of Langerhans. <i>Diabetologia</i> , 2016 , 59, 744-54	10.3	41
83	Identification of islet-enriched long non-coding RNAs contributing to β cell failure in type 2 diabetes. <i>Molecular Metabolism</i> , 2017 , 6, 1407-1418	8.8	41
82	Transcriptional regulation of the miR-212/miR-132 cluster in insulin-secreting β cells by cAMP-regulated transcriptional co-activator 1 and salt-inducible kinases. <i>Molecular and Cellular Endocrinology</i> , 2016 , 424, 23-33	4.4	40
81	Suppression of sulfonylurea- and glucose-induced insulin secretion in vitro and in vivo in mice lacking the chloride transport protein CLC-3. <i>Cell Metabolism</i> , 2009 , 10, 309-15	24.6	38
80	MicroRNAs in islet hormone secretion. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20 Suppl 2, 11-19	6.7	38
79	CFTR is involved in the regulation of glucagon secretion in human and rodent alpha cells. <i>Scientific Reports</i> , 2017 , 7, 90	4.9	37
78	Loss of TFB1M results in mitochondrial dysfunction that leads to impaired insulin secretion and diabetes. <i>Human Molecular Genetics</i> , 2014 , 23, 5733-49	5.6	37
77	A beta cell-specific knockout of hormone-sensitive lipase in mice results in hyperglycaemia and disruption of exocytosis. <i>Diabetologia</i> , 2009 , 52, 271-80	10.3	37
76	CD46 Activation Regulates miR-150-Mediated Control of GLUT1 Expression and Cytokine Secretion in Human CD4 ⁺ T Cells. <i>Journal of Immunology</i> , 2016 , 196, 1636-45	5.3	36
75	Large dense-core vesicle exocytosis in pancreatic beta-cells monitored by capacitance measurements. <i>Methods</i> , 2004 , 33, 302-11	4.6	36

74	Modulation of microRNA-375 expression alters voltage-gated Na(+) channel properties and exocytosis in insulin-secreting cells. <i>Acta Physiologica</i> , 2015 , 213, 882-92	5.6	34
73	Functional implications of long non-coding RNAs in the pancreatic islets of Langerhans. <i>Frontiers in Genetics</i> , 2014 , 5, 209	4.5	34
72	Impaired insulin exocytosis in neural cell adhesion molecule-/- mice due to defective reorganization of the submembrane F-actin network. <i>Endocrinology</i> , 2009 , 150, 3067-75	4.8	34
71	Truncation of SNAP-25 reduces the stimulatory action of cAMP on rapid exocytosis in insulin-secreting cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E452-61	6	33
70	CaV1.2 rather than CaV1.3 is coupled to glucose-stimulated insulin secretion in INS-1 832/13 cells. <i>Journal of Molecular Endocrinology</i> , 2008 , 41, 1-11	4.5	33
69	Regulation of Pancreatic Beta Cell Stimulus-Secretion Coupling by microRNAs. <i>Genes</i> , 2014 , 5, 1018-31	4.2	33
68	Multivesicular exocytosis in rat pancreatic beta cells. <i>Diabetologia</i> , 2012 , 55, 1001-12	10.3	32
67	Antibody inhibition of synaptosomal protein of 25 kDa (SNAP-25) and syntaxin 1 reduces rapid exocytosis in insulin-secreting cells. <i>Journal of Molecular Endocrinology</i> , 2006 , 36, 503-15	4.5	32
66	Neuron-enriched RNA-binding Proteins Regulate Pancreatic Beta Cell Function and Survival. <i>Journal of Biological Chemistry</i> , 2017 , 292, 3466-3480	5.4	31
65	Exposure to bisphenol A, but not phthalates, increases spontaneous diabetes type 1 development in NOD mice. <i>Toxicology Reports</i> , 2015 , 2, 99-110	4.8	30
64	Predictive models of glucose control: roles for glucose-sensing neurones. <i>Acta Physiologica</i> , 2015 , 213, 7-18	5.6	29
63	N-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. <i>Scientific Reports</i> , 2018 , 8, 3016	4.9	29
62	Glucose-dependent docking and SNARE protein-mediated exocytosis in mouse pancreatic alpha-cell. <i>Pflugers Archiv European Journal of Physiology</i> , 2011 , 462, 443-54	4.6	28
61	miR-483-5p associates with obesity and insulin resistance and independently associates with new onset diabetes mellitus and cardiovascular disease. <i>PLoS ONE</i> , 2018 , 13, e0206974	3.7	28
60	Gastrin and the neuropeptide PACAP evoke secretion from rat stomach histamine-containing (ECL) cells by stimulating influx of Ca ²⁺ through different Ca ²⁺ channels. <i>Journal of Physiology</i> , 2001 , 535, 663-77	3.9	27
59	Mitochondrial transcription factor B2 is essential for mitochondrial and cellular function in pancreatic β cells. <i>Molecular Metabolism</i> , 2017 , 6, 651-663	8.8	26
58	PIWI-interacting RNAs as novel regulators of pancreatic beta cell function. <i>Diabetologia</i> , 2017 , 60, 1977-1986	10.5	26
57	Mathematical modeling and statistical analysis of calcium-regulated insulin granule exocytosis in β cells from mice and humans. <i>Progress in Biophysics and Molecular Biology</i> , 2011 , 107, 257-64	4.7	23

56	Long-term exposure of mouse pancreatic islets to oleate or palmitate results in reduced glucose-induced somatostatin and oversecretion of glucagon. <i>Diabetologia</i> , 2008 , 51, 1689-93	10.3	23
55	Sox5 regulates beta-cell phenotype and is reduced in type 2 diabetes. <i>Nature Communications</i> , 2017 , 8, 15652	17.4	22
54	Beta-cell PDE3B regulates Ca ²⁺ -stimulated exocytosis of insulin. <i>Cellular Signalling</i> , 2007 , 19, 1505-13	4.9	22
53	MC1568 improves insulin secretion in islets from type 2 diabetes patients and rescues β cell dysfunction caused by Hdac7 upregulation. <i>Acta Diabetologica</i> , 2018 , 55, 1231-1235	3.9	21
52	MiR-335 overexpression impairs insulin secretion through defective priming of insulin vesicles. <i>Physiological Reports</i> , 2017 , 5, e13493	2.6	21
51	Pancreatic β cells - The unsung heroes in islet function. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 103, 41-50	7.5	20
50	Glucocorticoid induces human beta cell dysfunction by involving riborepressor GAS5 LincRNA. <i>Molecular Metabolism</i> , 2020 , 32, 160-167	8.8	20
49	Micro(RNA) Management and Mismanagement of the Islet. <i>Journal of Molecular Biology</i> , 2020 , 432, 141961-1428	14.28	20
48	A circular RNA generated from an intron of the insulin gene controls insulin secretion. <i>Nature Communications</i> , 2020 , 11, 5611	17.4	19
47	Potential Protection Against Type 2 Diabetes in Obesity Through Lower CD36 Expression and Improved Exocytosis in β Cells. <i>Diabetes</i> , 2020 , 69, 1193-1205	0.9	19
46	In Vivo Silencing of MicroRNA-132 Reduces Blood Glucose and Improves Insulin Secretion. <i>Nucleic Acid Therapeutics</i> , 2019 , 29, 67-72	4.8	18
45	Integrator of Stress Responses Calmodulin Binding Transcription Activator 1 (Camta1) Regulates miR-212/miR-132 Expression and Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2016 , 291, 18440-52	5.4	18
44	Rosuvastatin Treatment Affects Both Basal and Glucose-Induced Insulin Secretion in INS-1 832/13 Cells. <i>PLoS ONE</i> , 2016 , 11, e0151592	3.7	18
43	Exposure to maternal obesity programs sex differences in pancreatic islets of the offspring in mice. <i>Diabetologia</i> , 2020 , 63, 324-337	10.3	18
42	Enhancement of glucagon secretion in mouse and human pancreatic alpha cells by protein kinase C (PKC) involves intracellular trafficking of PKC α and PKC δ . <i>Diabetologia</i> , 2010 , 53, 717-29	10.3	17
41	An α -beta β pancreatic islet microribonucleotides. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 88, 208-219	5.6	16
40	Glucolipototoxicity Alters Insulin Secretion via Epigenetic Changes in Human Islets. <i>Diabetes</i> , 2019 , 68, 1965-1974	0.9	15
39	Bone morphogenetic protein 4 inhibits insulin secretion from rodent beta cells through regulation of calbindin1 expression and reduced voltage-dependent calcium currents. <i>Diabetologia</i> , 2015 , 58, 1282-90	10.3	15

38	Somatostatin secretion by Na-dependent Ca-induced Ca release in pancreatic delta-cells. <i>Nature Metabolism</i> , 2020 , 2, 32-40	14.6	15
37	Dual Effect of Rosuvastatin on Glucose Homeostasis Through Improved Insulin Sensitivity and Reduced Insulin Secretion. <i>EBioMedicine</i> , 2016 , 10, 185-94	8.8	15
36	Lack of cholesterol mobilization in islets of hormone-sensitive lipase deficient mice impairs insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 558-62	3.4	15
35	MicroRNA Networks in Pancreatic Islet Cells: Normal Function and Type 2 Diabetes. <i>Diabetes</i> , 2020 , 69, 804-812	0.9	15
34	Islet microRNAs in health and type-2 diabetes. <i>Current Opinion in Pharmacology</i> , 2018 , 43, 46-52	5.1	14
33	Fast surface acoustic wave-matrix-assisted laser desorption ionization mass spectrometry of cell response from islets of Langerhans. <i>Analytical Chemistry</i> , 2013 , 85, 2623-9	7.8	14
32	Somatostatin, misoprostol and galanin inhibit gastrin- and PACAP-stimulated secretion of histamine and pancreastatin from ECL cells by blocking specific Ca ²⁺ channels. <i>Regulatory Peptides</i> , 2005 , 130, 81-90		13
31	Ion channels, electrical activity and insulin secretion. <i>Diabète & Métabolisme</i> , 1994 , 20, 138-45		13
30	Apolipoprotein A-I primes beta cells to increase glucose stimulated insulin secretion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165613	6.9	10
29	Inhibition of phosphodiesterase 3, 4, and 5 induces endolymphatic hydrops in mouse inner ear, as evaluated with repeated 9.4T MRI. <i>Acta Oto-Laryngologica</i> , 2017 , 137, 8-15	1.6	9
28	Synapsins I and II are not required for insulin secretion from mouse pancreatic β cells. <i>Endocrinology</i> , 2012 , 153, 2112-9	4.8	9
27	Endogenous beta-cell CART regulates insulin secretion and transcription of beta-cell genes. <i>Molecular and Cellular Endocrinology</i> , 2017 , 447, 52-60	4.4	8
26	Why treatment fails in type 2 diabetes. <i>PLoS Medicine</i> , 2008 , 5, e215	11.6	8
25	Defective exocytosis and processing of insulin in a cystic fibrosis mouse model. <i>Journal of Endocrinology</i> , 2019 ,	4.7	8
24	The calcium channel subunit gamma-4 is regulated by MafA and necessary for pancreatic beta-cell specification. <i>Communications Biology</i> , 2019 , 2, 106	6.7	7
23	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. <i>Cell Reports</i> , 2021 , 37, 109807	10.6	5
22	The TCF7L2-dependent high-voltage activated calcium channel subunit α_1 controls calcium signaling in rodent pancreatic beta-cells. <i>Molecular and Cellular Endocrinology</i> , 2020 , 502, 110673	4.4	5
21	Selectively Bred Diabetes Models: GK Rats, NSY Mice, and ON Mice. <i>Methods in Molecular Biology</i> , 2020 , 2128, 25-54	1.4	5

20	Lessons from basic pancreatic beta cell research in type-2 diabetes and vascular complications. <i>Diabetology International</i> , 2017 , 8, 139-152	2.3	4
19	Calcium current inactivation rather than pool depletion explains reduced exocytotic rate with prolonged stimulation in insulin-secreting INS-1 832/13 cells. <i>PLoS ONE</i> , 2014 , 9, e103874	3.7	4
18	Osteopontin Affects Insulin Vesicle Localization and Ca ²⁺ Homeostasis in Pancreatic Beta Cells from Female Mice. <i>PLoS ONE</i> , 2017 , 12, e0170498	3.7	4
17	Replication study reveals miR-483-5p as an important target in prevention of cardiometabolic disease. <i>BMC Cardiovascular Disorders</i> , 2021 , 21, 162	2.3	4
16	The exocytotic machinery. <i>Acta Physiologica</i> , 2014 , 210, 455-7	5.6	3
15	Requirement for N-ethylmaleimide-sensitive factor for exocytosis of insulin-containing secretory granules in pancreatic beta-cells. <i>Biochemical Society Transactions</i> , 2003 , 31, 842-7	5.1	3
14	Confluence does not affect the expression of miR-375 and its direct targets in rat and human insulin-secreting cell lines. <i>PeerJ</i> , 2017 , 5, e3503	3.1	3
13	Diagnostic potential of miR-483 family for IGF-II producing non-islet cell tumor hypoglycemia. <i>European Journal of Endocrinology</i> , 2021 , 184, 41-49	6.5	3
12	SCRT1 is a novel beta cell transcription factor with insulin regulatory properties. <i>Molecular and Cellular Endocrinology</i> , 2021 , 521, 111107	4.4	2
11	Development and validation of a quantitative electron microscopy score to assess acute cellular stress in the human exocrine pancreas. <i>Journal of Pathology: Clinical Research</i> , 2021 , 7, 173-187	5.3	2
10	Secretory and electrophysiological characteristics of insulin cells from gastrectomized mice: evidence for the existence of insulinotropic agents in the stomach. <i>Regulatory Peptides</i> , 2007 , 139, 31-8		1
9	Partners for life. <i>ELife</i> , 2016 , 5,	8.9	1
8	Exposure to maternal obesity per se programs sex-differences in pancreatic islets of the offspring		1
7	Differential DNA Methylation and Expression of miRNAs in Adipose Tissue From Twin Pairs Discordant for Type 2 Diabetes. <i>Diabetes</i> , 2021 , 70, 2402-2418	0.9	1
6	Human pancreatic islet miRNA-mRNA networks of altered miRNAs due to glycemic status.. <i>IScience</i> , 2022 , 25, 103995	6.1	1
5	halfMAFA and MAFB regulate exocytosis-related genes in human β cells.. <i>Acta Physiologica</i> , 2022 , e13761	5.6	0
4	Islet Function in the Pathogenesis of Cystic Fibrosis-Related Diabetes Mellitus. <i>Clinical Medicine Insights: Endocrinology and Diabetes</i> , 2021 , 14, 11795514211031204	4.3	0
3	Secretory granule exocytosis and its amplification by cAMP in pancreatic β cells. <i>Diabetology International</i> , 1	2.3	0

- 2 Pancreatic alpha cells and glucagon secretion: Novel functions and targets in glucose homeostasis.. *Current Opinion in Pharmacology*, **2022**, 63, 102199 5.1 0
- 1 Components of insulin secretion: lessons to be learnt from capacitance. *The Japanese Journal of Physiology*, **1997**, 47 Suppl 1, S21