Herbert Y Gaisano

List of Publications by Citations

179 papers	5,549 citations	44 h-index	63 g-index
185 ext. papers	6,283 ext. citations	5.5 avg, IF	5.5 L-index

#	Paper	IF	Citations
179	Impaired gene and protein expression of exocytotic soluble N-ethylmaleimide attachment protein receptor complex proteins in pancreatic islets of type 2 diabetic patients. *Diabetes*, **2006**, 55, 435-40	0.9	183
178	Members of the Kv1 and Kv2 voltage-dependent K(+) channel families regulate insulin secretion. *Molecular Endocrinology*, **2001**, 15, 1423-35		165
177	Disruption of pancreatic beta-cell lipid rafts modifies Kv2.1 channel gating and insulin exocytosis. *Journal of Biological Chemistry*, **2004**, 279, 24685-91	5.4	142
176	Pancreatic GLP-1 receptor activation is sufficient for incretin control of glucose metabolism in mice. *Journal of Clinical Investigation*, **2012**, 122, 388-402	15.9	128
175	Erythropoietin protects against diabetes through direct effects on pancreatic beta cells. *Journal of Experimental Medicine*, **2010**, 207, 2831-42	16.6	112
174	Caspase-3-dependent beta-cell apoptosis in the initiation of autoimmune diabetes mellitus. *Molecular and Cellular Biology*, **2005**, 25, 3620-9	4.8	112
173	Syntaxin 1A binds to the cytoplasmic C terminus of Kv2.1 to regulate channel gating and trafficking. *Journal of Biological Chemistry*, **2003**, 278, 17532-8	5.4	108
172	Inhibition of cholesterol biosynthesis impairs insulin secretion and voltage-gated calcium channel function in pancreatic beta-cells. *Endocrinology*, **2008**, 149, 5136-45	4.8	95
171	SNAREing voltage-gated K+ and ATP-sensitive K+ channels: tuning beta-cell excitability with syntaxin-1A and other exocytotic proteins. *Endocrine Reviews*, **2007**, 28, 653-63	27.2	92
170	Regulation of insulin exocytosis by Munc13-1. *Journal of Biological Chemistry*, **2003**, 278, 27556-63	5.4	91
169	Hydrolase domain-6-accessible monoacylglycerol controls glucose-stimulated insulin secretion. *Cell Metabolism*, **2014**, 19, 993-1007	24.6	88
168	New insights into the mechanisms of pancreatitis. *Gastroenterology*, **2009**, 136, 2040-4	13.3	85
167	Munc13-1 deficiency reduces insulin secretion and causes abnormal glucose tolerance. *Diabetes*, **2006**, 55, 1421-9	0.9	85
166	Abnormal expression of pancreatic islet exocytotic soluble N-ethylmaleimide-sensitive factor attachment protein receptors in Goto-Kakizaki rats is partially restored by phlorizin treatment and accentuated by high glucose treatment. *Endocrinology*, **2002**, 143, 4218-26	4.8	84
165	Synaptosome-associated protein of 25 kilodaltons modulates Kv2.1 voltage-dependent K(+) channels in neuroendocrine islet beta-cells through an interaction with the channel N terminus. *Molecular Endocrinology*, **2002**, 16, 2452-61		74
164	Modulation of L-type Ca(2+) channels by distinct domains within SNAP-25. *Diabetes*, **2002**, 51, 1425-36	0.9	73
163	VAMP8 is the v-SNARE that mediates basolateral exocytosis in a mouse model of alcoholic pancreatitis. *Journal of Clinical Investigation*, **2008**, 118, 2535-51	15.9	71

162	Gut-associated IgA immune cells regulate obesity-related insulin resistance. *Nature Communications*, **2019**, 10, 3650	17.4	70
161	Glucagon-like peptide 1 regulates sequential and compound exocytosis in pancreatic islet beta-cells. *Diabetes*, **2005**, 54, 2734-43	0.9	67
160	Insulin regulates islet alpha-cell function by reducing KATP channel sensitivity to adenosine 5Striphosphate inhibition. *Endocrinology*, **2006**, 147, 2155-62	4.8	66
159	Electrophysiological characterization of pancreatic islet cells in the mouse insulin promoter-green fluorescent protein mouse. *Endocrinology*, **2005**, 146, 4766-75	4.8	66
158	SUMOylation regulates insulin exocytosis downstream of secretory granule docking in rodents and humans. *Diabetes*, **2011**, 60, 838-47	0.9	65
157	Vesicle-associated membrane protein 8 (VAMP8) is a SNARE (soluble N-ethylmaleimide-sensitive factor attachment protein receptor) selectively required for sequential granule-to-granule fusion. *Journal of Biological Chemistry*, **2011**, 286, 29627-34	5.4	62
156	Truncated SNAP-25 (1-197), like botulinum neurotoxin A, can inhibit insulin secretion from HIT-T15 insulinoma cells. *Molecular Endocrinology*, **1998**, 12, 1060-70		60
155	Alcohol/cholecystokinin-evoked pancreatic acinar basolateral exocytosis is mediated by protein kinase C alpha phosphorylation of Munc18c. *Journal of Biological Chemistry*, **2007**, 282, 13047-58	5.4	58
154	Supramaximal cholecystokinin displaces Munc18c from the pancreatic acinar basal surface, redirecting apical exocytosis to the basal membrane. *Journal of Clinical Investigation*, **2001**, 108, 1597-611	15.9	58
153	Rescue of Munc18-1 and -2 double knockdown reveals the essential functions of interaction between Munc18 and closed syntaxin in PC12 cells. *Molecular Biology of the Cell*, **2009**, 20, 4962-75	3.5	57
152	Distinct in vivo roles of caspase-8 in beta-cells in physiological and diabetes models. *Diabetes*, **2007**, 56, 2302-11	0.9	57
151	Interaction between Munc13-1 and RIM is critical for glucagon-like peptide-1 mediated rescue of exocytotic defects in Munc13-1 deficient pancreatic beta-cells. *Diabetes*, **2007**, 56, 2579-88	0.9	57
150	Syntaxin-3 regulates newcomer insulin granule exocytosis and compound fusion in pancreatic beta cells. *Diabetologia*, **2013**, 56, 359-69	10.3	56
149	Dual role of VAMP8 in regulating insulin exocytosis and islet □cell growth. *Cell Metabolism*, **2012**, 16, 238-49	24.6	56
148	UCP2 regulates the glucagon response to fasting and starvation. *Diabetes*, **2013**, 62, 1623-33	0.9	56
147	Direct interaction of target SNAREs with the Kv2.1 channel. Modal regulation of channel activation and inactivation gating. *Journal of Biological Chemistry*, **2003**, 278, 34320-30	5.4	54
146	Insulin secretion from beta cells in intact mouse islets is targeted towards the vasculature. *Diabetologia*, **2014**, 57, 1655-63	10.3	53
145	Deletion of Pten in pancreatic □cells protects against deficient □cell mass and function in mouse models of type 2 diabetes. *Diabetes*, **2010**, 59, 3117-26	0.9	53

144	Syntaxin-1A binds the nucleotide-binding folds of sulphonylurea receptor 1 to regulate the KATP channel. *Journal of Biological Chemistry*, **2004**, 279, 4234-40	5.4	52
143	In vivo role of focal adhesion kinase in regulating pancreatic β-cell mass and function through insulin signaling, actin dynamics, and granule trafficking. *Diabetes*, **2012**, 61, 1708-18	0.9	51
142	Unperturbed islet α-cell function examined in mouse pancreas tissue slices. *Journal of Physiology*, **2011**, 589, 395-408	3.9	50
141	Targeting of voltage-gated K+ and Ca2+ channels and soluble N-ethylmaleimide-sensitive factor attachment protein receptor proteins to cholesterol-rich lipid rafts in pancreatic alpha-cells: effects on glucagon stimulus-secretion coupling. *Endocrinology*, **2007**, 148, 2157-67	4.8	47
140	Transgenic mouse overexpressing syntaxin-1A as a diabetes model. *Diabetes*, **2005**, 54, 2744-54	0.9	46
139	The neuronal Ca2+ sensor protein visinin-like protein-1 is expressed in pancreatic islets and regulates insulin secretion. *Journal of Biological Chemistry*, **2006**, 281, 21942-21953	5.4	45
138	Cell polarity defines three distinct domains in pancreatic β-cells. *Journal of Cell Science*, **2017**, 130, 143-151	5.3	44
137	Characterization of Zinc Influx Transporters (ZIPs) in Pancreatic β Cells: ROLES IN REGULATING CYTOSOLIC ZINC HOMEOSTASIS AND INSULIN SECRETION. *Journal of Biological Chemistry*, **2015**, 290, 18757-69	5.4	44
136	Glucagon secretion and signaling in the development of diabetes. *Frontiers in Physiology*, **2012**, 3, 349	4.6	44
135	TGF-β1 increases invasiveness of SW1990 cells through Rac1/ROS/NF-κB/IL-6/MMP-2. *Biochemical and Biophysical Research Communications*, **2011**, 405, 140-5	3.4	41
134	In situ electrophysiological examination of pancreatic β-cells in the streptozotocin-induced diabetes model, revealing the cellular basis of glucagon hypersecretion. *Diabetes*, **2013**, 62, 519-30	0.9	39
133	Ca2+-dependent activator protein for secretion 1 is critical for constitutive and regulated exocytosis but not for loading of transmitters into dense core vesicles. *Journal of Biological Chemistry*, **2007**, 282, 21392-403	5.4	39
132	Here come the newcomer granules, better late than never. *Trends in Endocrinology and Metabolism*, **2014**, 25, 381-8	8.8	38
131	Alcohol-induced protein kinase Calpha phosphorylation of Munc18c in carbachol-stimulated acini causes basolateral exocytosis. *Gastroenterology*, **2007**, 132, 1527-45	13.3	38
130	The 25-kDa synaptosome-associated protein (SNAP-25) binds and inhibits delayed rectifier potassium channels in secretory cells. *Journal of Biological Chemistry*, **2002**, 277, 20195-204	5.4	38
129	Cholecystokinin-regulated exocytosis in rat pancreatic acinar cells is inhibited by a C-terminus truncated mutant of SNAP-23. *Pancreas*, **2001**, 23, 125-33	2.6	38
128	Relative Handgrip Strength Is Inversely Associated with Metabolic Profile and Metabolic Disease in the General Population in China. *Frontiers in Physiology*, **2018**, 9, 59	4.6	36
127	Progesterone receptor membrane component 1 is a functional part of the glucagon-like peptide-1 (GLP-1) receptor complex in pancreatic β-cells. *Molecular and Cellular Proteomics*, **2014**, 13, 3049-62	7.6	36

126	Somatostatin receptor type 2 antagonism improves glucagon counterregulation in biobreeding diabetic rats. *Diabetes*, **2013**, 62, 2968-77	0.9	36
125	Alcohol redirects CCK-mediated apical exocytosis to the acinar basolateral membrane in alcoholic pancreatitis. *Traffic*, **2007**, 8, 605-17	5.7	36
124	Syntaxin-1A inhibits cardiac KATP channels by its actions on nucleotide binding folds 1 and 2 of sulfonylurea receptor 2A. *Journal of Biological Chemistry*, **2004**, 279, 47125-31	5.4	36
123	Palmitic acid increases invasiveness of pancreatic cancer cells AsPC-1 through TLR4/ROS/NF-B/MMP-9 signaling pathway. *Biochemical and Biophysical Research Communications*, **2017**, 484, 152-158	3.4	35
122	Glucose principally regulates insulin secretion in mouse islets by controlling the numbers of granule fusion events per cell. *Diabetologia*, **2013**, 56, 2629-37	10.3	35
121	Characterization of Erg K+ channels in alpha- and beta-cells of mouse and human islets. *Journal of Biological Chemistry*, **2009**, 284, 30441-52	5.4	35
120	Mutations to the third cytoplasmic domain of the glucagon-like peptide 1 (GLP-1) receptor can functionally uncouple GLP-1-stimulated insulin secretion in HIT-T15 cells. *Molecular Endocrinology*, **1999**, 13, 1305-17		35
119	Munc18b is a major mediator of insulin exocytosis in rat pancreatic Ecells. *Diabetes*, **2013**, 62, 2416-28	0.9	34
118	Visualization of sequential exocytosis in rat pancreatic islet beta cells. *Biochemical and Biophysical Research Communications*, **2002**, 292, 980-6	3.4	34
117	human pancreatic slice preparations offer a valuable model for studying pancreatic exocrine biology. *Journal of Biological Chemistry*, **2017**, 292, 5957-5969	5.4	33
116	The secretory deficit in islets from db/db mice is mainly due to a loss of responding beta cells. *Diabetologia*, **2014**, 57, 1400-9	10.3	33
115	H3 domain of syntaxin 1A inhibits KATP channels by its actions on the sulfonylurea receptor 1 nucleotide-binding folds-1 and -2. *Journal of Biological Chemistry*, **2004**, 279, 53259-65	5.4	33
114	Recent new insights into the role of SNARE and associated proteins in insulin granule exocytosis. *Diabetes, Obesity and Metabolism*, **2017**, 19 Suppl 1, 115-123	6.7	32
113	The RalA GTPase is a central regulator of insulin exocytosis from pancreatic islet beta cells. *Journal of Biological Chemistry*, **2008**, 283, 17939-45	5.4	32
112	Dynamin is functionally coupled to insulin granule exocytosis. *Journal of Biological Chemistry*, **2007**, 282, 33530-33536	5.4	32
111	Synaptotagmin-7 Functions to Replenish Insulin Granules for Exocytosis in Human Islet Cells. *Diabetes*, **2016**, 65, 1962-76	0.9	32
110	POU homeodomain protein Oct-1 functions as a sensor for cyclic AMP. *Journal of Biological Chemistry*, **2009**, 284, 26456-65	5.4	30
109	Open form of syntaxin-1A is a more potent inhibitor than wild-type syntaxin-1A of Kv2.1 channels. *Biochemical Journal*, **2005**, 387, 195-202	3.8	29

108	Kv2.1 Clustering Contributes to Insulin Exocytosis and Rescues Human Cell Dysfunction. *Diabetes*, **2017**, 66, 1890-1900	0.9	28
107	VAMP8-mediated MUC2 mucin exocytosis from colonic goblet cells maintains innate intestinal homeostasis. *Nature Communications*, **2019**, 10, 4306	17.4	28
106	A cytosolic splice variant of Cab45 interacts with Munc18b and impacts on amylase secretion by pancreatic acini. *Molecular Biology of the Cell*, **2007**, 18, 2473-80	3.5	28
105	A hypothesis: SNARE-ing the mechanisms of regulated exocytosis and pathologic membrane fusions in the pancreatic acinar cell. *Pancreas*, **2000**, 20, 217-26	2.6	28
104	Syntaxin-4 mediates exocytosis of pre-docked and newcomer insulin granules underlying biphasic glucose-stimulated insulin secretion in human pancreatic beta cells. *Diabetologia*, **2015**, 58, 1250-9	10.3	27
103	Hypoxia-reoxygenation increase invasiveness of PANC-1 cells through Rac1/MMP-2. *Biochemical and Biophysical Research Communications*, **2010**, 393, 371-6	3.4	27
102	Syntaxin 1A regulates surface expression of beta-cell ATP-sensitive potassium channels. *American Journal of Physiology - Cell Physiology*, **2011**, 300, C506-16	5.4	27
101	Establishment of a new short, protease-resistant, affinity labeling reagent for the cholecystokinin receptor. *Biochemical and Biophysical Research Communications*, **1987**, 147, 346-53	3.4	27
100	Changes in beta cell function occur in prediabetes and early disease in the Lepr (db) mouse model of diabetes. *Diabetologia*, **2016**, 59, 1222-30	10.3	25
99	Role of mammalian homologue of Caenorhabditis elegans unc-13-1 (Munc13-1) in the recruitment of newcomer insulin granules in both first and second phases of glucose-stimulated insulin secretion in mouse islets. *Diabetologia*, **2012**, 55, 2693-2702	10.3	25
98	Inhibition of Rac1 decreases the severity of pancreatitis and pancreatitis-associated lung injury in mice. *Experimental Physiology*, **2008**, 93, 1091-103	2.4	25
97	Pancreatitis-Induced Depletion of Syntaxin 2 Promotes Autophagy and Increases Basolateral Exocytosis. *Gastroenterology*, **2018**, 154, 1805-1821.e5	13.3	24
96	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. *Nature Metabolism*, **2019**, 1, 1110-1126	14.6	23
95	Role of vesicle-associated membrane protein 2 in exocytosis of glucagon-like peptide-1 from the murine intestinal L cell. *Diabetologia*, **2014**, 57, 809-18	10.3	23
94	Live pancreatic acinar imaging of exocytosis using syncollin-pHluorin. *American Journal of Physiology - Cell Physiology*, **2011**, 300, C1513-23	5.4	23
93	Recent insights into the cellular mechanisms of acute pancreatitis. *Canadian Journal of Gastroenterology & Hepatology*, **2007**, 21, 19-24		23
92	Activation of exchange protein directly activated by cyclic adenosine monophosphate and protein kinase A regulate common and distinct steps in promoting plasma membrane exocytic and granule-to-granule fusions in rat islet beta cells. *Pancreas*, **2007**, 35, e45-54	2.6	23
91	-Induced Mucin Exocytosis Is Mediated by VAMP8 and Is Critical in Mucosal Innate Host Defense. *MBio*, **2017**, 8,	7.8	22

90	Spatial and temporal coordination of insulin granule exocytosis in intact human pancreatic islets. *Diabetologia*, **2015**, 58, 2810-8	10.3	22
89	New Roles of Syntaxin-1A in Insulin Granule Exocytosis and Replenishment. *Journal of Biological Chemistry*, **2017**, 292, 2203-2216	5.4	21
88	The SNARE Protein Syntaxin-1a Plays an Essential Role in Biphasic Exocytosis of the Incretin Hormone Glucagon-Like Peptide 1. *Diabetes*, **2017**, 66, 2327-2338	0.9	21
87	Insulin treatment and high-fat diet feeding reduces the expression of three Tcf genes in rodent pancreas. *Journal of Endocrinology*, **2010**, 207, 77-86	4.7	21
86	Ca(2+) influx and cAMP elevation overcame botulinum toxin A but not tetanus toxin inhibition of insulin exocytosis. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C740-50	5.4	21
85	The expression of dominant negative TCF7L2 in pancreatic beta cells during the embryonic stage causes impaired glucose homeostasis. *Molecular Metabolism*, **2015**, 4, 344-52	8.8	20
84	Effects of ethanol metabolites on exocytosis of pancreatic acinar cells in rats. *Gastroenterology*, **2012**, 143, 832-843.e7	13.3	20
83	A Novel GLP1 Receptor Interacting Protein ATP6ap2 Regulates Insulin Secretion in Pancreatic Beta Cells. *Journal of Biological Chemistry*, **2015**, 290, 25045-61	5.4	19
82	Munc18c mediates exocytosis of pre-docked and newcomer insulin granules underlying biphasic glucose stimulated insulin secretion in human pancreatic beta-cells. *Molecular Metabolism*, **2015**, 4, 418-26	8.8	18
81	Vesicle associated membrane protein 8 (VAMP8)-mediated zymogen granule exocytosis is dependent on endosomal trafficking via the constitutive-like secretory pathway. *Journal of Biological Chemistry*, **2014**, 289, 28040-53	5.4	18
80	Snare protein expression and adenoviral transfection of amphicrine AR42J. *Biochemical and Biophysical Research Communications*, **1999**, 260, 781-4	3.4	18
79	Association between Indices of Body Composition and Abnormal Metabolic Phenotype in Normal-Weight Chinese Adults. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	17
78	Exocyst sec5 regulates exocytosis of newcomer insulin granules underlying biphasic insulin secretion. *PLoS ONE*, **2013**, 8, e67561	3.7	17
77	Target soluble N-ethylmaleimide-sensitive factor attachment protein receptors (t-SNAREs) differently regulate activation and inactivation gating of Kv2.2 and Kv2.1: Implications on pancreatic islet cell Kv channels. *Molecular Pharmacology*, **2006**, 70, 818-28	4.3	17
76	Two populations of pancreatic islet alpha-cells displaying distinct Ca2+ channel properties. *Biochemical and Biophysical Research Communications*, **2006**, 345, 340-4	3.4	17
75	Post-Glucose Load Measures of Insulin Resistance and Prognosis of Nondiabetic Patients With Ischemic Stroke. *Journal of the American Heart Association*, **2017**, 6,	6	16
74	Rescuing the subprime meltdown in insulin exocytosis in diabetes. *Annals of the New York Academy of Sciences*, **2009**, 1152, 154-64	6.5	16
73	Alcoholic chronic pancreatitis involves displacement of Munc18c from the pancreatic acinar basal membrane surface. *Pancreas*, **2004**, 28, 395-400	2.6	16

72	Syntaxin 2 Acts as Inhibitory SNARE for Insulin Granule Exocytosis. *Diabetes*, **2017**, 66, 948-959	0.9	15
71	PTEN deletion in pancreatic β-cells protects against high-fat diet-induced hyperglucagonemia and insulin resistance. *Diabetes*, **2015**, 64, 147-57	0.9	15
70	Complex role of protein kinase C in mediating the supramaximal inhibition of pancreatic secretion observed with cholecystokinin. *Biochemical and Biophysical Research Communications*, **1992**, 187, 498-506	3.4	15
69	Syntaxin-1A interacts with distinct domains within nucleotide-binding folds of sulfonylurea receptor 1 to inhibit beta-cell ATP-sensitive potassium channels. *Journal of Biological Chemistry*, **2011**, 286, 23308-18	5.4	14
68	Molecular control of compound Exocytosis: A key role for VAMP8. *Communicative and Integrative Biology*, **2012**, 5, 61-3	1.7	14
67	Association of Diabetes and Prognosis of Minor Stroke and Its Subtypes: A Prospective Observational Study. *PLoS ONE*, **2016**, 11, e0153178	3.7	14
66	Deploying insulin granule-granule fusion to rescue deficient insulin secretion in diabetes. *Diabetologia*, **2012**, 55, 877-80	10.3	13
65	ATP modulates interaction of syntaxin-1A with sulfonylurea receptor 1 to regulate pancreatic beta-cell KATP channels. *Journal of Biological Chemistry*, **2011**, 286, 5876-83	5.4	13
64	Effects of palmitate on insulin secretion and exocytotic proteins in islets of diabetic Goto-Kakizaki rats. *Pancreas*, **2007**, 34, 359-63	2.6	13
63	Recent Insights into Beta-cell Exocytosis in Type 2 Diabetes. *Journal of Molecular Biology*, **2020**, 432, 1310-1325	6.5	13
62	Munc18b Increases Insulin Granule Fusion, Restoring Deficient Insulin Secretion in Type-2 Diabetes Human and Goto-Kakizaki Rat Islets with Improvement in Glucose Homeostasis. *EBioMedicine*, **2017**, 16, 262-274	8.8	12
61	K2.1 clusters on β-cell plasma membrane act as reservoirs that replenish pools of newcomer insulin granule through their interaction with syntaxin-3. *Journal of Biological Chemistry*, **2018**, 293, 6893-6904	5.4	12
60	C2 Domains of Munc13-4 Are Crucial for Ca-Dependent Degranulation and Cytotoxicity in NK Cells. *Journal of Immunology*, **2018**, 201, 700-713	5.3	12
59	Simvastatin induces autophagic flux to restore cerulein-impaired phagosome-lysosome fusion in acute pancreatitis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 165530	6.9	12
58	Dichotomous role of pancreatic HUWE1/MULE/ARF-BP1 in modulating beta cell apoptosis in mice under physiological and genotoxic conditions. *Diabetologia*, **2014**, 57, 1889-98	10.3	12
57	RalA GTPase tethers insulin granules to L- and R-type calcium channels through binding β1 subunit. *Traffic*, **2013**, 14, 428-39	5.7	12
56	Neck Circumference, a Novel Indicator for Hyperuricemia. *Frontiers in Physiology*, **2017**, 8, 965	4.6	12
55	SNARE protein regulation of cardiac potassium channels and atrial natriuretic factor secretion. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 401-7	5.8	12

54	Syntaxin-1A inhibits KATP channels by interacting with specific conserved motifs within sulfonylurea receptor 2A. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 790-802	5.8	12
53	Electrophysiological identification of mouse islet □cells: from isolated single □cells to in situ assessment within pancreas slices. *Islets*, **2011**, 3, 139-43	2	12
52	Botulinum neurotoxin A and neurotoxin E cleavage products of synaptosome-associated protein of 25 kd exhibit distinct actions on pancreatic islet beta-cell Kv2.1 channel gating. *Pancreas*, **2008**, 36, 10-7	2.6	12
51	The actions of a novel potent islet beta-cell specific ATP-sensitive K+ channel opener can be modulated by syntaxin-1A acting on sulfonylurea receptor 1. *Diabetes*, **2007**, 56, 2124-34	0.9	12
50	Binding of a phenethyl ester analogue of cholecystokinin to the solubilized pancreatic cholecystokinin receptor: use in ligand-affinity chromatography. *Biochemical and Biophysical Research Communications*, **1992**, 183, 396-404	3.4	12
49	Elevated triglyceride-glucose (TyG) index predicts incidence of Prediabetes: a prospective cohort study in China. *Lipids in Health and Disease*, **2020**, 19, 226	4.4	12
48	Involvement of VAMP-2 in exocytosis of IL-1 beta in turbot (Scophthalmus maximus) leukocytes after Vibrio anguillarum infection. *Biochemical and Biophysical Research Communications*, **2006**, 342, 509-13	3.4	11
47	Syntaxin-1A inhibition of P-1075, cromakalim, and diazoxide actions on mouse cardiac ATP-sensitive potassium channel. *Cardiovascular Research*, **2008**, 80, 365-74	9.9	10
46	Syntaxin-1A actions on sulfonylurea receptor 2A can block acidic pH-induced cardiac K(ATP) channel activation. *Journal of Biological Chemistry*, **2006**, 281, 19019-28	5.4	10
45	Syntaxin-3 Binds and Regulates Both R- and L-Type Calcium Channels in Insulin-Secreting INS-1 832/13 Cells. *PLoS ONE*, **2016**, 11, e0147862	3.7	10
44	Association Between Age at Natural Menopause and Risk of Type 2 Diabetes in Postmenopausal Women With and Without Obesity. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 3039-3048	5.6	9
43	ER stress-associated CTRC mutants decrease stimulated pancreatic zymogen secretion through SIRT2-mediated microtubule dysregulation. *Biochemical and Biophysical Research Communications*, **2015**, 463, 329-35	3.4	9
42	Relationship of obesity to adipose tissue insulin resistance. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	9
41	Cab45b, a Munc18b-interacting partner, regulates exocytosis in pancreatic beta-cells. *Journal of Biological Chemistry*, **2009**, 284, 20840-7	5.4	8
40	Suppression of Ca2+ oscillations induced by cholecystokinin (CCK) and its analog OPE in rat pancreatic acinar cells by low-level protein kinase C activation without transition of the CCK receptor from a high- to low-affinity state. *Pflugers Archiv European Journal of Physiology*, **1994**, 427, 455-62	4.6	8
39	A glucose-dependent spatial patterning of exocytosis in human □cells is disrupted in type 2 diabetes. *JCI Insight*, **2019**, 5,	9.9	8
38	Munc18/SNARE proteinsSregulation of exocytosis in guinea pig duodenal BrunnerSs gland acini. *World Journal of Gastroenterology*, **2008**, 14, 2314-22	5.6	8
37	Chaperoning of closed syntaxin-3 through Lys46 and Glu59 in domain 1 of Munc18 proteins is indispensable for mast cell exocytosis. *Journal of Cell Science*, **2015**, 128, 1946-60	5.3	7

36	Depletion of the membrane-fusion regulator Munc18c attenuates caerulein hyperstimulation-induced pancreatitis. *Journal of Biological Chemistry*, **2018**, 293, 2510-2522	5.4	7
35	Phosphatidylinositol 4,5-biphosphate (PIP2) modulates interaction of syntaxin-1A with sulfonylurea receptor 1 to regulate pancreatic Ecell ATP-sensitive potassium channels. *Journal of Biological Chemistry*, **2014**, 289, 6028-40	5.4	7
34	An exploratory study of the association between KCNB1 rs1051295 and type 2 diabetes and its related traits in Chinese Han population. *PLoS ONE*, **2013**, 8, e56365	3.7	7
33	Large molecular forms of cholecystokinin circulating in humans. *Pancreas*, **1986**, 1, 148-53	2.6	7
32	Distinct modulation of Kv1.2 channel gating by wild type, but not open form, of syntaxin-1A. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G1233-42	5.1	6
31	SNAP23 depletion enables more SNAP25/calcium channel excitosome formation to increase insulin exocytosis in type 2 diabetes. *JCI Insight*, **2020**, 5,	9.9	6
30	Association Between Triglyceride Level and Glycemic Control Among Insulin-Treated Patients With Type 2 Diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 1211-1220	5.6	6
29	Confocal Imaging of Neuropeptide Y-pHluorin: A Technique to Visualize Insulin Granule Exocytosis in Intact Murine and Human Islets. *Journal of Visualized Experiments*, **2017**,	1.6	5
28	Pancreatic islet alpha cell commands itself: secrete more glucagon!. *Cell Metabolism*, **2008**, 7, 474-5	24.6	5
27	Nitric oxide activation of a potassium channel (BK(Ca)) in feline lower esophageal sphincter. *World Journal of Gastroenterology*, **2010**, 16, 5852-60	5.6	5
26	Comparison of the Effect of Glycemic Control in Type 2 Diabetes Outpatients Treated With Premixed and Basal Insulin Monotherapy in China. *Frontiers in Endocrinology*, **2018**, 9, 639	5.7	5
25	Phosphatidylinositol 4,5-biphosphate (PIP2) modulates syntaxin-1A binding to sulfonylurea receptor 2A to regulate cardiac ATP-sensitive potassium (KATP) channels. *Journal of Molecular and Cellular Cardiology*, **2014**, 75, 100-10	5.8	4
24	Effects of selective endocrine or exocrine induction of AR42J on SNARE and Munc18 protein expression. *Pancreas*, **2002**, 25, e56-63	2.6	4
23	VAMP8 mucin exocytosis attenuates intestinal pathogenesis by. *Microbial Cell*, **2017**, 4, 426-427	3.9	4
22	Relation of adipose tissue insulin resistance to prediabetes. *Endocrine*, **2020**, 68, 93-102	4	4
21	The endocytosis of oxidized LDL via the activation of the angiotensin II type 1 receptor. *IScience*, **2021**, 24, 102076	6.1	4
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