

Herbert Y Gaisano

List of Publications by Year in Descending Order

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

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	Association between changes in lipid indexes and early progression of kidney dysfunction in participants with normal estimated glomerular filtration rate: a prospective cohort study.. <i>Endocrine</i> , 2022 , 1	4	0
178	A live-imaging protocol for tracking receptor dynamics in single cells.. <i>STAR Protocols</i> , 2022 , 3, 101347	1.4	0
177	Imaging Insulin Granule Dynamics in Human Pancreatic β Cells Using Total Internal Reflection Fluorescence (TIRF) Microscopy. <i>Methods in Molecular Biology</i> , 2022 , 79-88	1.4	0
176	Glomerular Hyperfiltration Interacts With Abnormal Metabolism to Enhance Arterial Stiffness in Middle-Aged and Elderly People. <i>Frontiers in Medicine</i> , 2021 , 8, 732413	4.9	0
175	Pancreas-specific SNAP23 depletion prevents pancreatitis by attenuating pathological basolateral exocytosis and formation of trypsin-activating autolysosomes. <i>Autophagy</i> , 2021 , 17, 3068-3081	10.2	3
174	The endocytosis of oxidized LDL via the activation of the angiotensin II type 1 receptor. <i>IScience</i> , 2021 , 24, 102076	6.1	4
173	Dysregulation of mannose-6-phosphate-dependent cholesterol homeostasis in acinar cells mediates pancreatitis. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	2
172	Baseline and Cumulative Blood Pressure in Predicting the Occurrence of Cardiovascular Events. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 735679	5.4	0
171	Clinical Characteristics and Long-term Outcomes of Children With Fibrosing Pancreatitis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020 , 70, 801-807	2.8	3
170	Relationship of obesity to adipose tissue insulin resistance. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	9
169	Susceptibility Factors and Cellular Mechanisms Underlying Alcoholic Pancreatitis. <i>Alcoholism: Clinical and Experimental Research</i> , 2020 , 44, 777-789	3.7	3
168	Risk of chronic kidney disease defined by decreased estimated glomerular filtration rate in individuals with different prediabetic phenotypes: results from a prospective cohort study in China. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	2
167	SNAP23 depletion enables more SNAP25/calcium channel excitosome formation to increase insulin exocytosis in type 2 diabetes. <i>JCI Insight</i> , 2020 , 5,	9.9	6
166	Relation of adipose tissue insulin resistance to prediabetes. <i>Endocrine</i> , 2020 , 68, 93-102	4	4
165	Recent Insights into Beta-cell Exocytosis in Type 2 Diabetes. <i>Journal of Molecular Biology</i> , 2020 , 432, 1310-1325	6.5	13
164	Elevated triglyceride-glucose (TyG) index predicts incidence of Prediabetes: a prospective cohort study in China. <i>Lipids in Health and Disease</i> , 2020 , 19, 226	4.4	12
163	VAMP8-mediated MUC2 mucin exocytosis from colonic goblet cells maintains innate intestinal homeostasis. <i>Nature Communications</i> , 2019 , 10, 4306	17.4	28

162	Association Between Age at Natural Menopause and Risk of Type 2 Diabetes in Postmenopausal Women With and Without Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 3039-3048	5.6	9
161	Simvastatin induces autophagic flux to restore cerulein-impaired phagosome-lysosome fusion in acute pancreatitis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 165530	6.9	12
160	Gut-associated IgA immune cells regulate obesity-related insulin resistance. <i>Nature Communications</i> , 2019 , 10, 3650	17.4	70
159	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. <i>Nature Metabolism</i> , 2019 , 1, 1110-1126	14.6	23
158	A glucose-dependent spatial patterning of exocytosis in human β cells is disrupted in type 2 diabetes. <i>JCI Insight</i> , 2019 , 5,	9.9	8
157	Association Between Triglyceride Level and Glycemic Control Among Insulin-Treated Patients With Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 1211-1220	5.6	6
156	Pancreatitis-Induced Depletion of Syntaxin 2 Promotes Autophagy and Increases Basolateral Exocytosis. <i>Gastroenterology</i> , 2018 , 154, 1805-1821.e5	13.3	24
155	Depletion of the membrane-fusion regulator Munc18c attenuates caerulein hyperstimulation-induced pancreatitis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 2510-2522	5.4	7
154	K2.1 clusters on β cell plasma membrane act as reservoirs that replenish pools of newcomer insulin granule through their interaction with syntaxin-3. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6893-6904	5.4	12
153	Relative Handgrip Strength Is Inversely Associated with Metabolic Profile and Metabolic Disease in the General Population in China. <i>Frontiers in Physiology</i> , 2018 , 9, 59	4.6	36
152	C2 Domains of Munc13-4 Are Crucial for Ca-Dependent Degranulation and Cytotoxicity in NK Cells. <i>Journal of Immunology</i> , 2018 , 201, 700-713	5.3	12
151	Reply. <i>Gastroenterology</i> , 2018 , 155, 1274	13.3	
150	Comparison of the Effect of Glycemic Control in Type 2 Diabetes Outpatients Treated With Premixed and Basal Insulin Monotherapy in China. <i>Frontiers in Endocrinology</i> , 2018 , 9, 639	5.7	5
149	New Roles of Syntaxin-1A in Insulin Granule Exocytosis and Replenishment. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2203-2216	5.4	21
148	Palmitic acid increases invasiveness of pancreatic cancer cells AsPC-1 through TLR4/ROS/NF- κ B/MMP-9 signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 484, 152-158	3.4	35
147	Post-Glucose Load Measures of Insulin Resistance and Prognosis of Nondiabetic Patients With Ischemic Stroke. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	16
146	Syntaxin 2 Acts as Inhibitory SNARE for Insulin Granule Exocytosis. <i>Diabetes</i> , 2017 , 66, 948-959	0.9	15
145	Munc18b Increases Insulin Granule Fusion, Restoring Deficient Insulin Secretion in Type-2 Diabetes Human and Goto-Kakizaki Rat Islets with Improvement in Glucose Homeostasis. <i>EBioMedicine</i> , 2017 , 16, 262-274	8.8	12

144	human pancreatic slice preparations offer a valuable model for studying pancreatic exocrine biology. <i>Journal of Biological Chemistry</i> , 2017 , 292, 5957-5969	5.4	33
143	The SNARE Protein Syntaxin-1a Plays an Essential Role in Biphasic Exocytosis of the Incretin Hormone Glucagon-Like Peptide 1. <i>Diabetes</i> , 2017 , 66, 2327-2338	0.9	21
142	Kv2.1 Clustering Contributes to Insulin Exocytosis and Rescues Human β Cell Dysfunction. <i>Diabetes</i> , 2017 , 66, 1890-1900	0.9	28
141	-Induced Mucin Exocytosis Is Mediated by VAMP8 and Is Critical in Mucosal Innate Host Defense. <i>MBio</i> , 2017 , 8,	7.8	22
140	Cell polarity defines three distinct domains in pancreatic β cells. <i>Journal of Cell Science</i> , 2017 , 130, 143-151	5.3	44
139	Confocal Imaging of Neuropeptide Y-pHluorin: A Technique to Visualize Insulin Granule Exocytosis in Intact Murine and Human Islets. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	5
138	Recent new insights into the role of SNARE and associated proteins in insulin granule exocytosis. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19 Suppl 1, 115-123	6.7	32
137	Neck Circumference, a Novel Indicator for Hyperuricemia. <i>Frontiers in Physiology</i> , 2017 , 8, 965	4.6	12
136	Association between Indices of Body Composition and Abnormal Metabolic Phenotype in Normal-Weight Chinese Adults. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	17
135	VAMP8 mucin exocytosis attenuates intestinal pathogenesis by. <i>Microbial Cell</i> , 2017 , 4, 426-427	3.9	4
134	Changes in beta cell function occur in prediabetes and early disease in the Lepr (db) mouse model of diabetes. <i>Diabetologia</i> , 2016 , 59, 1222-30	10.3	25
133	Syntaxin-3 Binds and Regulates Both R- and L-Type Calcium Channels in Insulin-Secreting INS-1 832/13 Cells. <i>PLoS ONE</i> , 2016 , 11, e0147862	3.7	10
132	Association of Diabetes and Prognosis of Minor Stroke and Its Subtypes: A Prospective Observational Study. <i>PLoS ONE</i> , 2016 , 11, e0153178	3.7	14
131	Synaptotagmin-7 Functions to Replenish Insulin Granules for Exocytosis in Human Islet β Cells. <i>Diabetes</i> , 2016 , 65, 1962-76	0.9	32
130	ER stress-associated CTIRC mutants decrease stimulated pancreatic zymogen secretion through SIRT2-mediated microtubule dysregulation. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 463, 329-35	3.4	9
129	The expression of dominant negative TCF7L2 in pancreatic beta cells during the embryonic stage causes impaired glucose homeostasis. <i>Molecular Metabolism</i> , 2015 , 4, 344-52	8.8	20
128	Syntaxin-4 mediates exocytosis of pre-docked and newcomer insulin granules underlying biphasic glucose-stimulated insulin secretion in human pancreatic beta cells. <i>Diabetologia</i> , 2015 , 58, 1250-9	10.3	27
127	Chaperoning of closed syntaxin-3 through Lys46 and Glu59 in domain 1 of Munc18 proteins is indispensable for mast cell exocytosis. <i>Journal of Cell Science</i> , 2015 , 128, 1946-60	5.3	7

126	A Novel GLP1 Receptor Interacting Protein ATP6ap2 Regulates Insulin Secretion in Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25045-61	5.4	19
125	Spatial and temporal coordination of insulin granule exocytosis in intact human pancreatic islets. <i>Diabetologia</i> , 2015 , 58, 2810-8	10.3	22
124	Munc18c mediates exocytosis of pre-docked and newcomer insulin granules underlying biphasic glucose stimulated insulin secretion in human pancreatic beta-cells. <i>Molecular Metabolism</i> , 2015 , 4, 418-26	8.8	18
123	PTEN deletion in pancreatic β cells protects against high-fat diet-induced hyperglucagonemia and insulin resistance. <i>Diabetes</i> , 2015 , 64, 147-57	0.9	15
122	Association of KCNB1 polymorphisms with lipid metabolisms and insulin resistance: a case-control design of population-based cross-sectional study in Chinese Han population. <i>Lipids in Health and Disease</i> , 2015 , 14, 112	4.4	2
121	Characterization of Zinc Influx Transporters (ZIPs) in Pancreatic β Cells: ROLES IN REGULATING CYTOSOLIC ZINC HOMEOSTASIS AND INSULIN SECRETION. <i>Journal of Biological Chemistry</i> , 2015 , 290, 18757-69	5.4	44
120	Role of vesicle-associated membrane protein 2 in exocytosis of glucagon-like peptide-1 from the murine intestinal L cell. <i>Diabetologia</i> , 2014 , 57, 809-18	10.3	23
119	AD-Hydrolase domain-6-accessible monoacylglycerol controls glucose-stimulated insulin secretion. <i>Cell Metabolism</i> , 2014 , 19, 993-1007	24.6	88
118	Vesicle associated membrane protein 8 (VAMP8)-mediated zymogen granule exocytosis is dependent on endosomal trafficking via the constitutive-like secretory pathway. <i>Journal of Biological Chemistry</i> , 2014 , 289, 28040-53	5.4	18
117	Phosphatidylinositol 4,5-biphosphate (PIP2) modulates syntaxin-1A binding to sulfonylurea receptor 2A to regulate cardiac ATP-sensitive potassium (KATP) channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 100-10	5.8	4
116	Dichotomous role of pancreatic HUWE1/MULE/ARF-BP1 in modulating beta cell apoptosis in mice under physiological and genotoxic conditions. <i>Diabetologia</i> , 2014 , 57, 1889-98	10.3	12
115	The secretory deficit in islets from db/db mice is mainly due to a loss of responding beta cells. <i>Diabetologia</i> , 2014 , 57, 1400-9	10.3	33
114	Insulin secretion from beta cells in intact mouse islets is targeted towards the vasculature. <i>Diabetologia</i> , 2014 , 57, 1655-63	10.3	53
113	Here come the newcomer granules, better late than never. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 381-8	8.8	38
112	Progesterone receptor membrane component 1 is a functional part of the glucagon-like peptide-1 (GLP-1) receptor complex in pancreatic β cells. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3049-62	7.6	36
111	Phosphatidylinositol 4,5-biphosphate (PIP2) modulates interaction of syntaxin-1A with sulfonylurea receptor 1 to regulate pancreatic β cell ATP-sensitive potassium channels. <i>Journal of Biological Chemistry</i> , 2014 , 289, 6028-40	5.4	7
110	Biliopancreatic route for effective viral transduction of pancreatic islets. <i>Pancreas</i> , 2014 , 43, 240-4	2.6	3
109	Syntaxin-3 regulates newcomer insulin granule exocytosis and compound fusion in pancreatic beta cells. <i>Diabetologia</i> , 2013 , 56, 359-69	10.3	56

108	RalA GTPase tethers insulin granules to L- and R-type calcium channels through binding β 1 subunit. <i>Traffic</i> , 2013 , 14, 428-39	5.7	12
107	Glucose principally regulates insulin secretion in mouse islets by controlling the numbers of granule fusion events per cell. <i>Diabetologia</i> , 2013 , 56, 2629-37	10.3	35
106	In situ electrophysiological examination of pancreatic β cells in the streptozotocin-induced diabetes model, revealing the cellular basis of glucagon hypersecretion. <i>Diabetes</i> , 2013 , 62, 519-30	0.9	39
105	UCP2 regulates the glucagon response to fasting and starvation. <i>Diabetes</i> , 2013 , 62, 1623-33	0.9	56
104	Munc18b is a major mediator of insulin exocytosis in rat pancreatic β cells. <i>Diabetes</i> , 2013 , 62, 2416-28	0.9	34
103	Somatostatin receptor type 2 antagonism improves glucagon counterregulation in biobreeding diabetic rats. <i>Diabetes</i> , 2013 , 62, 2968-77	0.9	36
102	An exploratory study of the association between KCNB1 rs1051295 and type 2 diabetes and its related traits in Chinese Han population. <i>PLoS ONE</i> , 2013 , 8, e56365	3.7	7
101	Exocyst sec5 regulates exocytosis of newcomer insulin granules underlying biphasic insulin secretion. <i>PLoS ONE</i> , 2013 , 8, e67561	3.7	17
100	Deploying insulin granule-granule fusion to rescue deficient insulin secretion in diabetes. <i>Diabetologia</i> , 2012 , 55, 877-80	10.3	13
99	Glucagon secretion and signaling in the development of diabetes. <i>Frontiers in Physiology</i> , 2012 , 3, 349	4.6	44
98	Effects of ethanol metabolites on exocytosis of pancreatic acinar cells in rats. <i>Gastroenterology</i> , 2012 , 143, 832-843.e7	13.3	20
97	Dual role of VAMP8 in regulating insulin exocytosis and islet β cell growth. <i>Cell Metabolism</i> , 2012 , 16, 238-49	24.6	56
96	VAMP8 Deletion Delays the Onset of Streptozotocin-Induced Hyperglycemia. <i>Canadian Journal of Diabetes</i> , 2012 , 36, 251-256	2.1	1
95	Role of mammalian homologue of <i>Caenorhabditis elegans</i> 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. <i>Diabetologia</i> , 2012 , 55, 2693-2702	10.3	25
94	In vivo role of focal adhesion kinase in regulating pancreatic β cell mass and function through insulin signaling, actin dynamics, and granule trafficking. <i>Diabetes</i> , 2012 , 61, 1708-18	0.9	51
93	Molecular control of compound Exocytosis: A key role for VAMP8. <i>Communicative and Integrative Biology</i> , 2012 , 5, 61-3	1.7	14
92	Pancreatic GLP-1 receptor activation is sufficient for incretin control of glucose metabolism in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 388-402	15.9	128
91	TGF- β increases invasiveness of SW1990 cells through Rac1/ROS/NF- κ B/IL-6/MMP-2. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 405, 140-5	3.4	41

90	SNARE protein regulation of cardiac potassium channels and atrial natriuretic factor secretion. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 401-7	5.8	12
89	Syntaxin-1A inhibits KATP channels by interacting with specific conserved motifs within sulfonylurea receptor 2A. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 790-802	5.8	12
88	Memorial Tribute to Yang Kwong Chen, MD. <i>Pancreas</i> , 2011 , 40, 337-338	2.6	
87	Unperturbed islet β cell function examined in mouse pancreas tissue slices. <i>Journal of Physiology</i> , 2011 , 589, 395-408	3.9	50
86	Electrophysiological identification of mouse islet β cells: from isolated single β cells to in situ assessment within pancreas slices. <i>Islets</i> , 2011 , 3, 139-43	2	12
85	SUMOylation regulates insulin exocytosis downstream of secretory granule docking in rodents and humans. <i>Diabetes</i> , 2011 , 60, 838-47	0.9	65
84	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. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29627-34	5.4	62
83	Syntaxin-1A interacts with distinct domains within nucleotide-binding folds of sulfonylurea receptor 1 to inhibit beta-cell ATP-sensitive potassium channels. <i>Journal of Biological Chemistry</i> , 2011 , 286, 23308-18	5.4	14
82	ATP modulates interaction of syntaxin-1A with sulfonylurea receptor 1 to regulate pancreatic beta-cell KATP channels. <i>Journal of Biological Chemistry</i> , 2011 , 286, 5876-83	5.4	13
81	Live pancreatic acinar imaging of exocytosis using syncollin-pHluorin. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C1513-23	5.4	23
80	Syntaxin 1A regulates surface expression of beta-cell ATP-sensitive potassium channels. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C506-16	5.4	27
79	Deletion of Pten in pancreatic β cells protects against deficient β cell mass and function in mouse models of type 2 diabetes. <i>Diabetes</i> , 2010 , 59, 3117-26	0.9	53
78	Erythropoietin protects against diabetes through direct effects on pancreatic beta cells. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2831-42	16.6	112
77	Insulin treatment and high-fat diet feeding reduces the expression of three Tcf genes in rodent pancreas. <i>Journal of Endocrinology</i> , 2010 , 207, 77-86	4.7	21
76	Hypoxia-reoxygenation increase invasiveness of PANC-1 cells through Rac1/MMP-2. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 393, 371-6	3.4	27
75	Nitric oxide activation of a potassium channel (BK(Ca)) in feline lower esophageal sphincter. <i>World Journal of Gastroenterology</i> , 2010 , 16, 5852-60	5.6	5
74	Characterization of Erg K ⁺ channels in alpha- and beta-cells of mouse and human islets. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30441-52	5.4	35
73	POU homeodomain protein Oct-1 functions as a sensor for cyclic AMP. <i>Journal of Biological Chemistry</i> , 2009 , 284, 26456-65	5.4	30

72	Cab45b, a Munc18b-interacting partner, regulates exocytosis in pancreatic beta-cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 20840-7	5.4	8
71	Rescue of Munc18-1 and -2 double knockdown reveals the essential functions of interaction between Munc18 and closed syntaxin in PC12 cells. <i>Molecular Biology of the Cell</i> , 2009 , 20, 4962-75	3.5	57
70	Rescuing the subprime meltdown in insulin exocytosis in diabetes. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 154-64	6.5	16
69	New insights into the mechanisms of pancreatitis. <i>Gastroenterology</i> , 2009 , 136, 2040-4	13.3	85
68	Inhibition of Rac1 decreases the severity of pancreatitis and pancreatitis-associated lung injury in mice. <i>Experimental Physiology</i> , 2008 , 93, 1091-103	2.4	25
67	Pancreatic islet alpha cell commands itself: secrete more glucagon!. <i>Cell Metabolism</i> , 2008 , 7, 474-5	24.6	5
66	The RalA GTPase is a central regulator of insulin exocytosis from pancreatic islet beta cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17939-45	5.4	32
65	Syntaxin-1A inhibition of P-1075, cromakalim, and diazoxide actions on mouse cardiac ATP-sensitive potassium channel. <i>Cardiovascular Research</i> , 2008 , 80, 365-74	9.9	10
64	Inhibition of cholesterol biosynthesis impairs insulin secretion and voltage-gated calcium channel function in pancreatic beta-cells. <i>Endocrinology</i> , 2008 , 149, 5136-45	4.8	95
63	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. <i>Pancreas</i> , 2008 , 36, 10-7	2.6	12
62	VAMP8 is the v-SNARE that mediates basolateral exocytosis in a mouse model of alcoholic pancreatitis. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2535-51	15.9	71
61	Munc18/SNARE proteins regulation of exocytosis in guinea pig duodenal Brunner's gland acini. <i>World Journal of Gastroenterology</i> , 2008 , 14, 2314-22	5.6	8
60	Alcohol-induced protein kinase C alpha phosphorylation of Munc18c in carbachol-stimulated acini causes basolateral exocytosis. <i>Gastroenterology</i> , 2007 , 132, 1527-45	13.3	38
59	Recent insights into the cellular mechanisms of acute pancreatitis. <i>Canadian Journal of Gastroenterology & Hepatology</i> , 2007 , 21, 19-24		23
58	Alcohol redirects CCK-mediated apical exocytosis to the acinar basolateral membrane in alcoholic pancreatitis. <i>Traffic</i> , 2007 , 8, 605-17	5.7	36
57	Characterization of SNAP-25 gene from marine teleostean, <i>Lateolabrax japonicus</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2007 , 25, 378-385		
56	Distinct in vivo roles of caspase-8 in beta-cells in physiological and diabetes models. <i>Diabetes</i> , 2007 , 56, 2302-11	0.9	57
55	Ca ²⁺ -dependent activator protein for secretion 1 is critical for constitutive and regulated exocytosis but not for loading of transmitters into dense core vesicles. <i>Journal of Biological Chemistry</i> , 2007 , 282, 21392-403	5.4	39

54	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. <i>Diabetes</i> , 2007 , 56, 2579-88	0.9	57
53	Distinct modulation of Kv1.2 channel gating by wild type, but not open form, of syntaxin-1A. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G1233-42	5.1	6
52	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. <i>Diabetes</i> , 2007 , 56, 2124-34	0.9	12
51	SNAREing voltage-gated K ⁺ and ATP-sensitive K ⁺ channels: tuning beta-cell excitability with syntaxin-1A and other exocytotic proteins. <i>Endocrine Reviews</i> , 2007 , 28, 653-63	27.2	92
50	Targeting of voltage-gated K ⁺ and Ca ²⁺ 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. <i>Endocrinology</i> , 2007 , 148, 2157-67	4.8	47
49	Alcohol/cholecystokinin-evoked pancreatic acinar basolateral exocytosis is mediated by protein kinase C alpha phosphorylation of Munc18c. <i>Journal of Biological Chemistry</i> , 2007 , 282, 13047-58	5.4	58
48	Dynamin is functionally coupled to insulin granule exocytosis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 33530-33536	5.4	32
47	A cytosolic splice variant of Cab45 interacts with Munc18b and impacts on amylase secretion by pancreatic acini. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2473-80	3.5	28
46	Effects of palmitate on insulin secretion and exocytotic proteins in islets of diabetic Goto-Kakizaki rats. <i>Pancreas</i> , 2007 , 34, 359-63	2.6	13
45	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. <i>Pancreas</i> , 2007 , 35, e45-54	2.6	23
44	Modulation of the K(v)4.3 channel by syntaxin 1A. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 789-95	3.4	3
43	Insulin regulates islet alpha-cell function by reducing KATP channel sensitivity to adenosine 5Triphosphate inhibition. <i>Endocrinology</i> , 2006 , 147, 2155-62	4.8	66
42	Munc13-1 deficiency reduces insulin secretion and causes abnormal glucose tolerance. <i>Diabetes</i> , 2006 , 55, 1421-9	0.9	85
41	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. <i>Molecular Pharmacology</i> , 2006 , 70, 818-28	4.3	17
40	Impaired gene and protein expression of exocytotic soluble N-ethylmaleimide attachment protein receptor complex proteins in pancreatic islets of type 2 diabetic patients. <i>Diabetes</i> , 2006 , 55, 435-40	0.9	183
39	The neuronal Ca ²⁺ sensor protein visinin-like protein-1 is expressed in pancreatic islets and regulates insulin secretion. <i>Journal of Biological Chemistry</i> , 2006 , 281, 21942-21953	5.4	45
38	Syntaxin-1A actions on sulfonylurea receptor 2A can block acidic pH-induced cardiac K(ATP) channel activation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 19019-28	5.4	10
37	Involvement of VAMP-2 in exocytosis of IL-1 beta in turbot (<i>Scophthalmus maximus</i>) leukocytes after <i>Vibrio anguillarum</i> infection. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 342, 509-13	3.4	11

36	Two populations of pancreatic islet alpha-cells displaying distinct Ca ²⁺ channel properties. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 340-4	3.4	17
35	Open form of syntaxin-1A is a more potent inhibitor than wild-type syntaxin-1A of Kv2.1 channels. <i>Biochemical Journal</i> , 2005 , 387, 195-202	3.8	29
34	Electrophysiological characterization of pancreatic islet cells in the mouse insulin promoter-green fluorescent protein mouse. <i>Endocrinology</i> , 2005 , 146, 4766-75	4.8	66
33	Transgenic mouse overexpressing syntaxin-1A as a diabetes model. <i>Diabetes</i> , 2005 , 54, 2744-54	0.9	46
32	Caspase-3-dependent beta-cell apoptosis in the initiation of autoimmune diabetes mellitus. <i>Molecular and Cellular Biology</i> , 2005 , 25, 3620-9	4.8	112
31	Glucagon-like peptide 1 regulates sequential and compound exocytosis in pancreatic islet beta-cells. <i>Diabetes</i> , 2005 , 54, 2734-43	0.9	67
30	Disruption of pancreatic beta-cell lipid rafts modifies Kv2.1 channel gating and insulin exocytosis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 24685-91	5.4	142
29	Syntaxin-1A inhibits cardiac KATP channels by its actions on nucleotide binding folds 1 and 2 of sulfonylurea receptor 2A. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47125-31	5.4	36
28	Syntaxin-1A binds the nucleotide-binding folds of sulphonylurea receptor 1 to regulate the KATP channel. <i>Journal of Biological Chemistry</i> , 2004 , 279, 4234-40	5.4	52
27	H3 domain of syntaxin 1A inhibits KATP channels by its actions on the sulfonylurea receptor 1 nucleotide-binding folds-1 and -2. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53259-65	5.4	33
26	Alcoholic chronic pancreatitis involves displacement of Munc18c from the pancreatic acinar basal membrane surface. <i>Pancreas</i> , 2004 , 28, 395-400	2.6	16
25	Syntaxin 1A binds to the cytoplasmic C terminus of Kv2.1 to regulate channel gating and trafficking. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17532-8	5.4	108
24	Direct interaction of target SNAREs with the Kv2.1 channel. Modal regulation of channel activation and inactivation gating. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34320-30	5.4	54
23	SNAP-25 inhibits L-type Ca ²⁺ channels in feline esophagus smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 306, 298-302	3.4	3
22	Regulation of insulin exocytosis by Munc13-1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 27556-63	5.4	91
21	Modulation of L-type Ca(2+) channels by distinct domains within SNAP-25. <i>Diabetes</i> , 2002 , 51, 1425-36	0.9	73
20	The 25-kDa synaptosome-associated protein (SNAP-25) binds and inhibits delayed rectifier potassium channels in secretory cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 20195-204	5.4	38
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16	Visualization of sequential exocytosis in rat pancreatic islet beta cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 292, 980-6	3.4	34
15	Members of the Kv1 and Kv2 voltage-dependent K(+) channel families regulate insulin secretion. <i>Molecular Endocrinology</i> , 2001 , 15, 1423-35		165
14	Ca(2+) influx and cAMP elevation overcame botulinum toxin A but not tetanus toxin inhibition of insulin exocytosis. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C740-50	5.4	21
13	Cholecystokinin-regulated exocytosis in rat pancreatic acinar cells is inhibited by a C-terminus truncated mutant of SNAP-23. <i>Pancreas</i> , 2001 , 23, 125-33	2.6	38
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7	Protein tyrosine phosphorylation in pancreatic acini: differential effects of VIP and CCK. <i>American Journal of Physiology - Renal Physiology</i> , 1997 , 273, G1226-32	5.1	1
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3	Binding of a phenethyl ester analogue of cholecystokinin to the solubilized pancreatic cholecystokinin receptor: use in ligand-affinity chromatography. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 183, 396-404	3.4	12
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1	Large molecular forms of cholecystokinin circulating in humans. <i>Pancreas</i> , 1986 , 1, 148-53	2.6	7

