Herbert Y Gaisano

List of Publications by Year
in descending order

182 papers	6,819 citations	44069 48 h-index	91884 69 g-index
185 all docs	185 docs citations	185 times ranked	7236 citing authors

#	Article	IF	Citations
1	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, 435-440.	0.6	206
2	Members of the Kv1 and Kv2 Voltage-Dependent K+ Channel Families Regulate Insulin Secretion. Molecular Endocrinology, 2001, 15, 1423-1435.	3.7	176
3	Disruption of Pancreatic Î²-Cell Lipid Rafts Modifies Kv2.1 Channel Gating and Insulin Exocytosis. Journal of Biological Chemistry, 2004, 279, 24685-24691.	3.4	159
4	Pancreatic GLP-1 receptor activation is sufficient for incretin control of glucose metabolism in mice. Journal of Clinical Investigation, 2012, 122, 388-402.	8.2	141
5	Gut-associated IgA+ immune cells regulate obesity-related insulin resistance. Nature Communications, 2019, 10, 3650.	12.8	131
6	Caspase-3-Dependent Î²-Cell Apoptosis in the Initiation of Autoimmune Diabetes Mellitus. Molecular and Cellular Biology, 2005, 25, 3620-3629.	2.3	129
7	Î±/Î²-Hydrolase Domain-6-Accessible Monoacylglycerol Controls Glucose-Stimulated Insulin Secretion. Cell Metabolism, 2014, 19, 993-1007.	16.2	125
8	Erythropoietin protects against diabetes through direct effects on pancreatic Î² cells. Journal of Experimental Medicine, 2010, 207, 2831-2842.	8.5	119
9	Syntaxin 1A Binds to the Cytoplasmic C Terminus of Kv2.1 to Regulate Channel Gating and Trafficking. Journal of Biological Chemistry, 2003, 278, 17532-17538.	3.4	116
10	Inhibition of Cholesterol Biosynthesis Impairs Insulin Secretion and Voltage-Gated Calcium Channel Function in Pancreatic Î²-Cells. Endocrinology, 2008, 149, 5136-5145.	2.8	114
11	Regulation of Insulin Exocytosis by Munc13-1. Journal of Biological Chemistry, 2003, 278, 27556-27563.	3.4	98
12	New Insights Into the Mechanisms of Pancreatitis. Gastroenterology, 2009, 136, 2040-2044.	1.3	98
13	SNAREing Voltage-Gated K+ and ATP-Sensitive K+ Channels: Tuning Î²-Cell Excitability with Syntaxin-1A and Other Exocytotic Proteins. Endocrine Reviews, 2007, 28, 653-663.	20.1	97
14	Munc13-1 Deficiency Reduces Insulin Secretion and Causes Abnormal Glucose Tolerance. Diabetes, 2006, 55, 1421-1429.	0.6	95
15	Abnormal Expression of Pancreatic Islet Exocytotic SolubleN-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, 4218-4226.	2.8	89
16	SUMOylation Regulates Insulin Exocytosis Downstream of Secretory Granule Docking in Rodents and Humans. Diabetes, 2011, 60, 838-847.	0.6	84
17	Synaptosome-Associated Protein of 25 Kilodaltons Modulates Kv2.1 Voltage-Dependent K+ Channels in Neuroendocrine Islet Î²-Cells through an Interaction with the Channel N Terminus. Molecular Endocrinology, 2002, 16, 2452-2461.	3.7	79
18	Dual Role of VAMP8 in Regulating Insulin Exocytosis and Islet Î² Cell Growth. Cell Metabolism, 2012, 16, 238-249.	16.2	77

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19	VAMP8 is the v-SNARE that mediates basolateral exocytosis in a mouse model of alcoholic pancreatitis. Journal of Clinical Investigation, 2008, 118, 2535-51.	8.2	77
20	Modulation of L-Type Ca2+ Channels by Distinct Domains Within SNAP-25. Diabetes, 2002, 51, 1425-1436.	0.6	76
21	Insulin secretion from beta cells in intact mouse islets is targeted towards the vasculature. Diabetologia, 2014, 57, 1655-1663.	6.3	76
22	Insulin Regulates Islet Î±-Cell Function by Reducing KATP Channel Sensitivity to Adenosine 5â€²-Triphosphate Inhibition. Endocrinology, 2006, 147, 2155-2162.	2.8	74
23	Glucagon-Like Peptide 1 Regulates Sequential and Compound Exocytosis in Pancreatic Islet Â-Cells. Diabetes, 2005, 54, 2734-2743.	0.6	73
24	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, 4962-4975.	2.1	73
25	Vesicle-associated Membrane Protein 8 (VAMP8) Is a SNARE (Soluble N-Ethylmaleimide-sensitive Factor) Tj ETQq1 1 0.784314 rgBT /Ove of Biological Chemistry, 2011, 286, 29627-29634.	3.4	73
26	Cell polarity defines three distinct domains in pancreatic beta cells. Journal of Cell Science, 2017, 130, 143-151.	2.0	72
27	Electrophysiological Characterization of Pancreatic Islet Cells in the Mouse Insulin Promoter-Green Fluorescent Protein Mouse. Endocrinology, 2005, 146, 4766-4775.	2.8	71
28	Direct Interaction of Target SNAREs with the Kv2.1 Channel. Journal of Biological Chemistry, 2003, 278, 34320-34330.	3.4	69
29	Syntaxin-3 regulates newcomer insulin granule exocytosis and compound fusion in pancreatic beta cells. Diabetologia, 2013, 56, 359-369.	6.3	66
30	Supramaximal cholecystokinin displaces Munc18c from the pancreatic acinar basal surface, redirecting apical exocytosis to the basal membrane. Journal of Clinical Investigation, 2001, 108, 1597-1611.	8.2	66
31	Truncated SNAP-25 (1â€"197), Like Botulinum Neurotoxin A, Can Inhibit Insulin Secretion from HIT-T15 Insulinoma Cells. Molecular Endocrinology, 1998, 12, 1060-1070.	3.7	65
32	Distinct In Vivo Roles of Caspase-8 in Â-Cells in Physiological and Diabetes Models. Diabetes, 2007, 56, 2302-2311.	0.6	63
33	Alcohol/Cholecystokinin-evoked Pancreatic Acinar Basolateral Exocytosis Is Mediated by Protein Kinase CÎ± Phosphorylation of Munc18c. Journal of Biological Chemistry, 2007, 282, 13047-13058.	3.4	63
34	In Vivo Role of Focal Adhesion Kinase in Regulating Pancreatic Î²-Cell Mass and Function Through Insulin Signaling, Actin Dynamics, and Granule Trafficking. Diabetes, 2012, 61, 1708-1718.	0.6	62
35	In Situ Electrophysiological Examination of Pancreatic Î± Cells in the Streptozotocin-Induced Diabetes Model, Revealing the Cellular Basis of Glucagon Hypersecretion. Diabetes, 2013, 62, 519-530.	0.6	62
36	UCP2 Regulates the Glucagon Response to Fasting and Starvation. Diabetes, 2013, 62, 1623-1633.	0.6	62

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37	Interaction Between Munc13-1 and RIM Is Critical for Glucagon-Like Peptide-1 Mediated Rescue of Exocytotic Defects in Munc13-1 Deficient Pancreatic Â-Cells. Diabetes, 2007, 56, 2579-2588.	0.6	61
38	Unperturbed islet Î±â€cell function examined in mouse pancreas tissue slices. Journal of Physiology, 2011, 589, 395-408.	2.9	61
39	Relative Handgrip Strength Is Inversely Associated with Metabolic Profile and Metabolic Disease in the General Population in China. Frontiers in Physiology, 2018, 9, 59.	2.8	61
40	Deletion of <i>Pten</i> in Pancreatic Î²-Cells Protects Against Deficient Î²-Cell Mass and Function in Mouse Models of Type 2 Diabetes. Diabetes, 2010, 59, 3117-3126.	0.6	59
41	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. Nature Metabolism, 2019, 1, 1110-1126.	11.9	59
42	Characterization of Zinc Influx Transporters (ZIPs) in Pancreatic Î² Cells. Journal of Biological Chemistry, 2015, 290, 18757-18769.	3.4	58
43	VAMP8-mediated MUC2 mucin exocytosis from colonic goblet cells maintains innate intestinal homeostasis. Nature Communications, 2019, 10, 4306.	12.8	58
44	Syntaxin-1A Binds the Nucleotide-binding Folds of Sulphonylurea Receptor 1 to Regulate the KATP Channel. Journal of Biological Chemistry, 2004, 279, 4234-4240.	3.4	56
45	Glucagon secretion and signaling in the development of diabetes. Frontiers in Physiology, 2012, 3, 349.	2.8	56
46	Palmitic acid increases invasiveness of pancreatic cancer cells AsPC-1 through TLR4/ROS/NF-Î°B/MMP-9 signaling pathway. Biochemical and Biophysical Research Communications, 2017, 484, 152-158.	2.1	56
47	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.	3.4	53
48	Ex vivo human pancreatic slice preparations offer a valuable model for studying pancreatic exocrine biology. Journal of Biological Chemistry, 2017, 292, 5957-5969.	3.4	53
49	Recent new insights into the role of SNARE and associated proteins in insulin granule exocytosis. Diabetes, Obesity and Metabolism, 2017, 19, 115-123.	4.4	53
50	Targeting of Voltage-Gated K+and Ca2+Channels and SolubleN-Ethylmaleimide-Sensitive Factor Attachment Protein Receptor Proteins to Cholesterol-Rich Lipid Rafts in Pancreatic Î±-Cells: Effects on Glucagon Stimulus-Secretion Coupling. Endocrinology, 2007, 148, 2157-2167.	2.8	50
51	Somatostatin Receptor Type 2 Antagonism Improves Glucagon Counterregulation in Biobreeding Diabetic Rats. Diabetes, 2013, 62, 2968-2977.	0.6	50
52	Transgenic Mouse Overexpressing Syntaxin-1A as a Diabetes Model. Diabetes, 2005, 54, 2744-2754.	0.6	49
53	Progesterone Receptor Membrane Component 1 Is a Functional Part of the Glucagon-like Peptide-1 (GLP-1) Receptor Complex in Pancreatic Î² Cells. Molecular and Cellular Proteomics, 2014, 13, 3049-3062.	3.8	48
54	Synaptotagmin-7 Functions to Replenish Insulin Granules for Exocytosis in Human Islet Î²-Cells. Diabetes, 2016, 65, 1962-1976.	0.6	48

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55	TGF-Î²1 increases invasiveness of SW1990 cells through Rac1/ROS/NF-Î°B/IL-6/MMP-2. Biochemical and Biophysical Research Communications, 2011, 405, 140-145.	2.1	47
56	Here come the newcomer granules, better late than never. Trends in Endocrinology and Metabolism, 2014, 25, 381-388.	7.1	45
57	Alcohol Redirects CCKâ€Mediated Apical Exocytosis to the Acinar Basolateral Membrane in Alcoholic Pancreatitis. Traffic, 2007, 8, 605-617.	2.7	44
58	The 25-kDa Synaptosome-associated Protein (SNAP-25) Binds and Inhibits Delayed Rectifier Potassium Channels in Secretory Cells. Journal of Biological Chemistry, 2002, 277, 20195-20204.	3.4	42
59	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, 21392-21403.	3.4	42
60	Alcohol-Induced Protein Kinase CÎ± Phosphorylation of Munc18c in Carbachol-Stimulated Acini Causes Basolateral Exocytosis. Gastroenterology, 2007, 132, 1527-1545.	1.3	42
61	Characterization of Erg K+ Channels in Î±- and Î²-Cells of Mouse and Human Islets. Journal of Biological Chemistry, 2009, 284, 30441-30452.	3.4	42
62	The secretory deficit in islets from db/db mice is mainly due to a loss of responding beta cells. Diabetologia, 2014, 57, 1400-1409.	6.3	41
63	Pancreatitis-Induced Depletion of Syntaxin 2 Promotes Autophagy and Increases Basolateral Exocytosis. Gastroenterology, 2018, 154, 1805-1821.e5.	1.3	41
64	The RalA GTPase Is a Central Regulator of Insulin Exocytosis from Pancreatic Islet Beta Cells. Journal of Biological Chemistry, 2008, 283, 17939-17945.	3.4	40
65	Glucose principally regulates insulin secretion in mouse islets by controlling the numbers of granule fusion events per cell. Diabetologia, 2013, 56, 2629-2637.	6.3	40
66	Recent Insights into Beta-cell Exocytosis in Type 2 Diabetes. Journal of Molecular Biology, 2020, 432, 1310-1325.	4.2	40
67	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, 1305-1317.	3.7	39
68	Cholecystokinin-Regulated Exocytosis in Rat Pancreatic Acinar Cells is Inhibited by a C-Terminus Truncated Mutant of SNAP-23. Pancreas, 2001, 23, 125-133.	1.1	39
69	Munc18b Is a Major Mediator of Insulin Exocytosis in Rat Pancreatic Î²-Cells. Diabetes, 2013, 62, 2416-2428.	0.6	39
70	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, 47125-47131.	3.4	38
71	Visualization of Sequential Exocytosis in Rat Pancreatic Islet Î² Cells. Biochemical and Biophysical Research Communications, 2002, 292, 980-986.	2.1	36
72	Dynamin Is Functionally Coupled to Insulin Granule Exocytosis. Journal of Biological Chemistry, 2007, 282, 33530-33536.	3.4	36

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73	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, 53259-53265.	3.4	34
74	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, 1250-1259.	6.3	34
75	Kv2.1 Clustering Contributes to Insulin Exocytosis and Rescues Human Î²-Cell Dysfunction. Diabetes, 2017, 66, 1890-1900.	0.6	34
76	POU Homeodomain Protein Oct-1 Functions as a Sensor for Cyclic AMP. Journal of Biological Chemistry, 2009, 284, 26456-26465.	3.4	33
77	A Hypothesis: SNARE-ing the Mechanisms of Regulated Exocytosis and Pathologic Membrane Fusions in the Pancreatic Acinar Cell. Pancreas, 2000, 20, 217-226.	1.1	32
78	New Roles of Syntaxin-1A in Insulin Granule Exocytosis and Replenishment. Journal of Biological Chemistry, 2017, 292, 2203-2216.	3.4	32
79	Recent insights into the cellular mechanisms of acute pancreatitis. Canadian Journal of Gastroenterology & Hepatology, 2007, 21, 19-24.	1.7	31
80	Hypoxiaâ€“reoxygenation increase invasiveness of PANC-1 cells through Rac1/MMP-2. Biochemical and Biophysical Research Communications, 2010, 393, 371-376.	2.1	31
81	Changes in beta cell function occur in prediabetes and early disease in the Lepr db mouse model of diabetes. Diabetologia, 2016, 59, 1222-1230.	6.3	31
82	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.	3.6	31
83	Elevated triglyceride-glucose (TyG) index predicts incidence of Prediabetes: a prospective cohort study in China. Lipids in Health and Disease, 2020, 19, 226.	3.0	31
84	Spatial and temporal coordination of insulin granule exocytosis in intact human pancreatic islets. Diabetologia, 2015, 58, 2810-2818.	6.3	30
85	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.	0.6	30
86	Establishment of a new short, protease-resistant, affinity labeling reagent for the cholecystokinin receptor. Biochemical and Biophysical Research Communications, 1987, 147, 346-353.	2.1	29
87	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.	3.7	29
88	Postâ€“Glucose Load Measures of Insulin Resistance and Prognosis of Nondiabetic Patients With Ischemic Stroke. Journal of the American Heart Association, 2017, 6, .	3.7	29
89	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, 391.	2.6	29
90	Relationship of obesity to adipose tissue insulin resistance. BMJ Open Diabetes Research and Care, 2020, 8, e000741.	2.8	29

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91	A Cytosolic Splice Variant of Cab45 Interacts with Munc18b and Impacts on Amylase Secretion by Pancreatic Acini. Molecular Biology of the Cell, 2007, 18, 2473-2480.	2.1	28
92	Syntaxin 1A regulates surface expression of Î²-cell ATP-sensitive potassium channels. American Journal of Physiology - Cell Physiology, 2011, 300, C506-C516.	4.6	28
93	Inhibition of Rac1 decreases the severity of pancreatitis and pancreatitisâ€associated lung injury in mice. Experimental Physiology, 2008, 93, 1091-1103.	2.0	27
94	Live pancreatic acinar imaging of exocytosis using syncollin-pHluorin. American Journal of Physiology - Cell Physiology, 2011, 300, C1513-C1523.	4.6	27
95	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.	6.3	27
96	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 Î² Cells. Pancreas, 2007, 35, e45-e54.	1.1	26
97	Role of vesicle-associated membrane protein 2 in exocytosis of glucagon-like peptide-1 from the murine intestinal L cell. Diabetologia, 2014, 57, 809-818.	6.3	26
98	<i>Entamoeba histolytica</i> -Induced Mucin Exocytosis Is Mediated by VAMP8 and Is Critical in Mucosal Innate Host Defense. MBio, 2017, 8, .	4.1	26
99	A Novel GLP1 Receptor Interacting Protein ATP6ap2 Regulates Insulin Secretion in Pancreatic Beta Cells. Journal of Biological Chemistry, 2015, 290, 25045-25061.	3.4	25
100	SNARE protein regulation of cardiac potassium channels and atrial natriuretic factor secretion. Journal of Molecular and Cellular Cardiology, 2011, 50, 401-407.	1.9	24
101	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.	3.8	24
102	Effects of Ethanol Metabolites on Exocytosis of Pancreatic Acinar Cells in Rats. Gastroenterology, 2012, 143, 832-843.e7.	1.3	23
103	The expression of dominant negative TCF7L2 in pancreatic beta cells during the embryonic stage causes impaired glucose homeostasis. Molecular Metabolism, 2015, 4, 344-352.	6.5	23
104	Ca²⁺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-C750.	4.6	22
105	Insulin treatment and high-fat diet feeding reduces the expression of three Tcf genes in rodent pancreas. Journal of Endocrinology, 2010, 207, 77-86.	2.6	22
106	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, 418-426.	6.5	22
107	Snare Protein Expression and Adenoviral Transfection of Amphicrine AR42J. Biochemical and Biophysical Research Communications, 1999, 260, 781-784.	2.1	20
108	Exocyst Sec5 Regulates Exocytosis of Newcomer Insulin Granules Underlying Biphasic Insulin Secretion. PLoS ONE, 2013, 8, e67561.	2.5	20

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109	Rescuing the Subprime Meltdown in Insulin Exocytosis in Diabetes. Annals of the New York Academy of Sciences, 2009, 1152, 154-164.	3.8	19
110	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, 28040-28053.	3.4	19
111	Syntaxin 2 Acts as Inhibitory SNARE for Insulin Granule Exocytosis. Diabetes, 2017, 66, 948-959.	0.6	19
112	Association of Diabetes and Prognosis of Minor Stroke and Its Subtypes: A Prospective Observational Study. PLoS ONE, 2016, 11, e0153178.	2.5	19
113	Alcoholic Chronic Pancreatitis Involves Displacement of Munc18c From the Pancreatic Acinar Basal Membrane Surface. Pancreas, 2004, 28, 395-400.	1.1	18
114	Two populations of pancreatic islet Î±-cells displaying distinct Ca2+ channel properties. Biochemical and Biophysical Research Communications, 2006, 345, 340-344.	2.1	18
115	Electrophysiological identification of mouse islet Î±-cells: From isolated single Î±-cells to in situ assessment within pancreas slices. Islets, 2011, 3, 139-143.	1.8	18
116	Neck Circumference, a Novel Indicator for Hyperuricemia. Frontiers in Physiology, 2017, 8, 965.	2.8	18
117	C2 Domains of Munc13-4 Are Crucial for Ca2+-Dependent Degranulation and Cytotoxicity in NK Cells. Journal of Immunology, 2018, 201, 700-713.	0.8	18
118	A glucose-dependent spatial patterning of exocytosis in human Î² cells is disrupted in type 2 diabetes. JCI Insight, 2019, 4, .	5.0	18
119	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, 818-828.	2.3	17
120	Molecular control of compound Exocytosis. Communicative and Integrative Biology, 2012, 5, 61-63.	1.4	17
121	PTEN Deletion in Pancreatic Î±-Cells Protects Against High-Fat Dietâ€"Induced Hyperglucagonemia and Insulin Resistance. Diabetes, 2015, 64, 147-157.	0.6	17
122	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.	6.1	17
123	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.	3.6	17
124	Dichotomous role of pancreatic HUWE1/MULE/ARF-BP1 in modulating beta cell apoptosis in mice under physiological and genotoxic conditions. Diabetologia, 2014, 57, 1889-1898.	6.3	16
125	Kv2.1 clusters on Î²-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.	3.4	16
126	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.	2.1	15

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127	Effects of Palmitate on Insulin Secretion and Exocytotic Proteins in Islets of Diabetic Goto-Kakizaki Rats. Pancreas, 2007, 34, 359-363.	1.1	15
128	ATP Modulates Interaction of Syntaxin-1A with Sulfonylurea Receptor 1 to Regulate Pancreatic Î²-Cell KATP Channels*. Journal of Biological Chemistry, 2011, 286, 5876-5883.	3.4	15
129	Involvement of VAMP-2 in exocytosis of IL-1Î² in turbot (Scophthalmus maximus) leukocytes after Vibrio anguillarum infection. Biochemical and Biophysical Research Communications, 2006, 342, 509-513.	2.1	14
130	The Actions of a Novel Potent Islet Î²-Cellâ€"Specific ATP-Sensitive K+ Channel Opener Can Be Modulated by Syntaxin-1A Acting on Sulfonylurea Receptor 1. Diabetes, 2007, 56, 2124-2134.	0.6	14
131	Syntaxin-1A Interacts with Distinct Domains within Nucleotide-binding Folds of Sulfonylurea Receptor 1 to Inhibit Î²-Cell ATP-sensitive Potassium Channels. Journal of Biological Chemistry, 2011, 286, 23308-23318.	3.4	14
132	Deploying insulin granuleâ€"granule fusion to rescue deficient insulin secretion in diabetes. Diabetologia, 2012, 55, 877-880.	6.3	14
133	SNAP23 depletion enables more SNAP25/calcium channel excitosome formation to increase insulin exocytosis in type 2 diabetes. JCI Insight, 2020, 5, .	5.0	14
134	Botulinum Neurotoxin A and Neurotoxin E Cleavage Products of Synaptosome-Associated Protein of 25 kd Exhibit Distinct Actions on Pancreatic Islet Î²-Cell Kv2.1 Channel Gating. Pancreas, 2008, 36, 10-17.	1.1	13
135	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.	2.1	12
136	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.	1.9	12
137	<scp>RalA GTPase</scp> Tethers Insulin Granules to Lâ€•and Râ€•Type Calcium Channels Through Binding Î±₂Î´â€•1 Subunit. Traffic, 2013, 14, 428-439.	2.7	12
138	Relation of adipose tissue insulin resistance to prediabetes. Endocrine, 2020, 68, 93-102.	2.3	12
139	Pancreas-specific SNAP23 depletion prevents pancreatitis by attenuating pathological basolateral exocytosis and formation of trypsin-activating autolysosomes. Autophagy, 2021, 17, 3068-3081.	9.1	12
140	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.	2.5	11
141	Syntaxin-1A Actions on Sulfonylurea Receptor 2A Can Block Acidic pH-induced Cardiac KATP Channel Activation. Journal of Biological Chemistry, 2006, 281, 19019-19028.	3.4	10
142	Syntaxin-1A inhibition of P-1075, cromakalim, and diazoxide actions on mouse cardiac ATP-sensitive potassium channel. Cardiovascular Research, 2008, 80, 365-374.	3.8	10
143	ER stress-associated CTRC mutants decrease stimulated pancreatic zymogen secretion through SIRT2-mediated microtubule dysregulation. Biochemical and Biophysical Research Communications, 2015, 463, 329-335.	2.1	10
144	Susceptibility Factors and Cellular Mechanisms Underlying Alcoholic Pancreatitis. Alcoholism: Clinical and Experimental Research, 2020, 44, 777-789.	2.4	10

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145	The endocytosis of oxidized LDL via the activation of the angiotensin II type 1 receptor. IScience, 2021, 24, 102076.	4.1	10
146	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.	2.5	9
147	Depletion of the membrane-fusion regulator Munc18c attenuates caerulein hyperstimulationâ€"induced pancreatitis. Journal of Biological Chemistry, 2018, 293, 2510-2522.	3.4	9
148	Dysregulation of mannose-6-phosphateâ€"dependent cholesterol homeostasis in acinar cells mediates pancreatitis. Journal of Clinical Investigation, 2021, 131, .	8.2	9
149	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, 455-462.	2.8	8
150	Cab45b, a Munc18b-interacting Partner, Regulates Exocytosis in Pancreatic Î²-Cells. Journal of Biological Chemistry, 2009, 284, 20840-20847.	3.4	8
151	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, 1946-1960.	2.0	8
152	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.	3.5	8
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