Jun Shirakawa

List of Publications by Year
in descending order

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52 papers	1,321 citations	394286 19 h-index	360920 35 g-index
59 all docs	59 docs citations	59 times ranked	2273 citing authors

#	Article	IF	Citations
1	Diet-Induced Adipose Tissue Inflammation and Liver Steatosis Are Prevented by DPP-4 Inhibition in Diabetic Mice. Diabetes, 2011, 60, 1246-1257.	0.3	225
2	SerpinB1 Promotes Pancreatic Î² Cell Proliferation. Cell Metabolism, 2016, 23, 194-205.	7.2	177
3	Insulin Signaling Regulates the FoxM1/PLK1/CENP-A Pathway to Promote Adaptive Pancreatic Î²ÂCell Proliferation. Cell Metabolism, 2017, 25, 868-882.e5.	7.2	86
4	Proinflammatory Cytokines Induce Endocrine Differentiation in Pancreatic Ductal Cells via STAT3-Dependent NGN3 Activation. Cell Reports, 2016, 15, 460-470.	2.9	61
5	Bullous Pemphigoid and Dipeptidyl Peptidase 4 Inhibitors: A Disproportionality Analysis Based on the Japanese Adverse Drug Event Report Database. Diabetes Care, 2018, 41, e130-e132.	4.3	61
6	Glucokinase Activation Ameliorates ER Stressâ€“Induced Apoptosis in Pancreatic Î²-Cells. Diabetes, 2013, 62, 3448-3458.	0.3	59
7	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic Î² cells in diet-induced obesity. Nature Immunology, 2019, 20, 677-686.	7.0	48
8	Protective Effects of Dipeptidyl Peptidase-4 (DPP-4) Inhibitor against Increased Î² Cell Apoptosis Induced by Dietary Sucrose and Linoleic Acid in Mice with Diabetes. Journal of Biological Chemistry, 2011, 286, 25467-25476.	1.6	47
9	Preserved DNA Damage Checkpoint Pathway Protects against Complications in Long-Standing Type 1 Diabetes. Cell Metabolism, 2015, 22, 239-252.	7.2	40
10	Effects of the Antitumor Drug OSI-906, a Dual Inhibitor of IGF-1 Receptor and Insulin Receptor, on the Glycemic Control, Î²-Cell Functions, and Î²-Cell Proliferation in Male Mice. Endocrinology, 2014, 155, 2102-2111.	1.4	34
11	GLP-1 signalling compensates for impaired insulin signalling in regulating beta cell proliferation in Î²IRKO mice. Diabetologia, 2017, 60, 1442-1453.	2.9	33
12	Signaling between pancreatic Î² cells and macrophages via S100 calcium-binding protein A8 exacerbates Î²-cell apoptosis and islet inflammation. Journal of Biological Chemistry, 2018, 293, 5934-5946.	1.6	32
13	Imeglimin Ameliorates Î²-Cell Apoptosis by Modulating the Endoplasmic Reticulum Homeostasis Pathway. Diabetes, 2022, 71, 424-439.	0.3	26
14	Î²-Cell Proliferation After a Partial Pancreatectomy Is Independent of IRS-2 in Mice. Endocrinology, 2014, 155, 1643-1652.	1.4	25
15	Luseogliflozin increases beta cell proliferation through humoral factors that activate an insulin receptor- and IGF-1 receptor-independent pathway. Diabetologia, 2020, 63, 577-587.	2.9	25
16	Effects of metformin on compensatory pancreatic Î²-cell hyperplasia in mice fed a high-fat diet. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E367-E380.	1.8	24
17	Compensatory Islet Response to Insulin Resistance Revealed by Quantitative Proteomics. Journal of Proteome Research, 2015, 14, 3111-3122.	1.8	22
18	Effects of Liraglutide on Î²-Cell-Specific Glucokinase-Deficient Neonatal Mice. Endocrinology, 2012, 153, 3066-3075.	1.4	20

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19	Nuclear Export of FoxO1 Is Associated with ERK Signaling in Î²-Cells Lacking Insulin Receptors. Journal of Biological Chemistry, 2016, 291, 21485-21495.	1.6	20
20	DPP-4 inhibition improves early mortality, Î² cell function, and adipose tissue inflammation in db/db mice fed a diet containing sucrose and linoleic acid. Diabetology and Metabolic Syndrome, 2016, 8, 16.	1.2	17
21	Melanophilin Accelerates Insulin Granule Fusion without Predocking to the Plasma Membrane. Diabetes, 2020, 69, 2655-2666.	0.3	17
22	IRS1 deficiency protects Î²-cells against ER stress-induced apoptosis by modulating sXBP-1 stability and protein translation. Scientific Reports, 2016, 6, 28177.	1.6	16
23	Loss-of-Function Mutation in Thiamine Transporter 1 in a Family With Autosomal Dominant Diabetes. Diabetes, 2019, 68, 1084-1093.	0.3	16
24	Pituitary Abscess with Panhypopituitarism Showing T1 Signal Hyperintensity of the Marginal Pituitary Area: A Non-invasive Differential Diagnosis of Pituitary Abscess and Pituitary Apoplexy. Internal Medicine, 2009, 48, 441-446.	0.3	15
25	Soluble EGFR, a hepatokine, and adipsin, an adipokine, are biomarkers correlated with distinct aspects of insulin resistance in type 2 diabetes subjects. Diabetology and Metabolic Syndrome, 2020, 12, 83.	1.2	12
26	Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. Stem Cells Translational Medicine, 2015, 4, 1101-1108.	1.6	11
27	Metabolic recovery of lipodystrophy, liver steatosis, and pancreatic Î² cell proliferation after the withdrawal of OSI-906. Scientific Reports, 2017, 7, 4119.	1.6	11
28	Linagliptin Ameliorates Hepatic Steatosis via Non-Canonical Mechanisms in Mice Treated with a Dual Inhibitor of Insulin Receptor and IGF-1 Receptor. International Journal of Molecular Sciences, 2020, 21, 7815.	1.8	11
29	Association of the plasma xanthine oxidoreductase activity with the metabolic parameters and vascular complications in patients with type 2 diabetes. Scientific Reports, 2021, 11, 3768.	1.6	11
30	Drug-induced hyperglycemia in the Japanese Adverse Drug Event Report database: association of evelolimus use with diabetes. Endocrine Journal, 2019, 66, 571-574.	0.7	10
31	Forkhead box protein O1 (FoxO1) regulates hepatic serine protease inhibitor B1 (serpinB1) expression in a non-cell-autonomous fashion. Journal of Biological Chemistry, 2019, 294, 1059-1069.	1.6	10
32	Pancreatic Î²â€cell fate in subjects with COVIDâ€19. Journal of Diabetes Investigation, 2021, 12, 2126-2128.	1.1	10
33	Identification of the matricellular protein Fibulin-5 as a target molecule of glucokinase-mediated calcineurin/NFAT signaling in pancreatic islets. Scientific Reports, 2017, 7, 2364.	1.6	9
34	Newer perspective on the coupling between glucose-mediated signaling and Î²-cell functionality. Endocrine Journal, 2020, 67, 1-8.	0.7	9
35	Insulin regulates arginine-stimulated insulin secretion in humans. Metabolism: Clinical and Experimental, 2022, 128, 155117.	1.5	9
36	The Roles of the IGF Axis in the Regulation of the Metabolism: Interaction and Difference between Insulin Receptor Signaling and IGF-I Receptor Signaling. International Journal of Molecular Sciences, 2021, 22, 6817.	1.8	8

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37	A Randomized Controlled Trial of a Mini Low-Carbohydrate Diet and an Energy-Controlled Diet Among Japanese Patients With Type 2 Diabetes. Journal of Clinical Medicine Research, 2018, 10, 182-188.	0.6	8
38	Uncoupling protein 2 and aldolase B impact insulin release by modulating mitochondrial function and Ca2+ release from the ER. IScience, 2022, 25, 104603.	1.9	8
39	Serum Quantitative Proteomic Analysis Reveals Soluble EGFR To Be a Marker of Insulin Resistance in Male Mice and Humans. Endocrinology, 2017, 158, 4152-4164.	1.4	7
40	Potential linkage between dipeptidyl peptidaseâ€4 inhibitor use and the risk of pancreatitis/pancreatic cancer. Journal of Diabetes Investigation, 2020, 11, 789-791.	1.1	7
41	The Feasibility and Applicability of Stem Cell Therapy for the Cure of Type 1 Diabetes. Cells, 2021, 10, 1589.	1.8	6
42	Nuclear import of glucokinase in pancreatic beta-cells is mediated by a nuclear localization signal and modulated by SUMOylation. Molecular and Cellular Endocrinology, 2017, 454, 146-157.	1.6	5
43	ERRÎ³â€”A New Player in Î² Cell Maturation. Cell Metabolism, 2016, 23, 765-767.	7.2	3
44	Autosomal dominant diabetes associated with a novel ZYG11A mutation resulting in cell cycle arrest in beta-cells. Molecular and Cellular Endocrinology, 2021, 522, 111126.	1.6	3
45	Leptin Receptor Signaling Regulates Protein Synthesis Pathways and Neuronal Differentiation in Pluripotent Stem Cells. Stem Cell Reports, 2020, 15, 1067-1079.	2.3	2
46	Recent developments in Phos-tag electrophoresis for the analysis of phosphoproteins in proteomics. Expert Review of Proteomics, 2022, 19, 103-114.	1.3	2
47	Translational research on human pancreatic Î²-cell mass expansion for the treatment of diabetes. Diabetology International, 2021, 12, 349-355.	0.7	1
48	Immediate Glucose-Lowering Effect After the First Administration of Dulaglutide: A Retrospective, Single-Center, Observational Study. Diabetes Therapy, 2021, 12, 2873-2889.	1.2	1
49	Abdominal aortic calcification is associated with Fibrosisâ€4 index and low body mass index in typeâ€‰2 diabetes patients: A retrospective crossâ€sectional study. Journal of Diabetes Investigation, 2022, 13, 1861-1872.	1.1	1
50	A case of an elderly patient with insulin-dependent diabetes and dementia receiving one basal insulin plus one bolus insulin injections a day for 6Âmonths. Diabetology International, 2021, 12, 135-139.	0.7	0
51	Asymptomatic meningitis diagnosed by positron emission tomography in a patient with syndrome of inappropriate antidiuretic hormone secretion: a case report. Journal of Medical Case Reports, 2021, 15, 390.	0.4	0
52	Validity and reliability of the Japanese version of the Diabetes Knowledge Test among inâ€patients with type 2 diabetes. Journal of Diabetes Investigation, 2021, , .	1.1	0