Nobuya Inagaki

List of Publications by Year
in descending order

408	17,154	17405 63	22764 112
papers	citations	h-index	g-index

416	416	416	18400
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Report of the Committee on the Classification and Diagnostic Criteria of Diabetes Mellitus. Journal of Diabetes Investigation, 2010, 1, 212-228.	1.1	1,206
2	A Family of Sulfonylurea Receptors Determines the Pharmacological Properties of ATP-Sensitive K+ Channels. Neuron, 1996, 16, 1011-1017.	3.8	922
3	Over-expression of facilitative glucose transporter genes in human cancer. Biochemical and Biophysical Research Communications, 1990, 170, 223-230.	1.0	429
4	Cloning and Functional Characterization of a Novel ATP-sensitive Potassium Channel Ubiquitously Expressed in Rat Tissues, including Pancreatic Islets, Pituitary, Skeletal Muscle, and Heart. Journal of Biological Chemistry, 1995, 270, 5691-5694.	1.6	369
5	Proposal for new diagnostic criteria for low skeletal muscle mass based on computed tomography imaging in Asian adults. Nutrition, 2016, 32, 1200-1205.	1.1	368
6	Report of the Committee on the classification and diagnostic criteria of diabetes mellitus. Diabetology International, 2010, 1, 2-20.	0.7	322
7	Protective Role of ATP-Sensitive Potassium Channels in Hypoxia-Induced Generalized Seizure. Science, 2001, 292, 1543-1546.	6.0	318
8	The Murine Glucagon-Like Peptide-1 Receptor Is Essential for Control of Bone Resorption. Endocrinology, 2008, 149, 574-579.	1.4	249
9	Subunit stoichiometry of the pancreatic Î²-cell ATP-sensitive K+ channel. FEBS Letters, 1997, 409, 232-236.	1.3	245
10	ABCA3 is a lamellar body membrane protein in human lung alveolar type II cells1. FEBS Letters, 2001, 508, 221-225.	1.3	238
11	Effect of an intensified multifactorial intervention on cardiovascular outcomes and mortality in type 2 diabetes (J-DOIT3): an open-label, randomised controlled trial. Lancet Diabetes and Endocrinology,the, 2017, 5, 951-964.	5.5	228
12	Impact of quality as well as quantity of skeletal muscle on outcomes after liver transplantation. Liver Transplantation, 2014, 20, 1413-1419.	1.3	205
13	ABCA3 as a Lipid Transporter in Pulmonary Surfactant Biogenesis. Journal of Biological Chemistry, 2007, 282, 9628-9634.	1.6	193
14	Evidence-Informed Clinical Practice Recommendations for Treatment of Type 1 Diabetes Complicated by Problematic Hypoglycemia. Diabetes Care, 2015, 38, 1016-1029.	4.3	192
15	A real-time method of imaging glucose uptake in single, living mammalian cells. Nature Protocols, 2007, 2, 753-762.	5.5	178
16	Measurement of Glucose Uptake and Intracellular Calcium Concentration in Single, Living Pancreatic Î²-Cells. Journal of Biological Chemistry, 2000, 275, 22278-22283.	1.6	166
17	MgADP Antagonism to Mg2+-independent ATP Binding of the Sulfonylurea Receptor SUR1. Journal of Biological Chemistry, 1997, 272, 22983-22986.	1.6	153
18	Kir6.1: A Possible Subunit of ATP-Sensitive K+Channels in Mitochondria. Biochemical and Biophysical Research Communications, 1997, 241, 693-697.	1.0	144

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19	Prevalence of Cardiovascular Disease and Its Risk Factors in Primary Aldosteronism. Hypertension, 2018, 71, 530-537.	1.3	144
20	Chronic Reduction of GIP Secretion Alleviates Obesity and Insulin Resistance Under High-Fat Diet Conditions. Diabetes, 2014, 63, 2332-2343.	0.3	139
21	Specific interaction of the potassium channel Î²-subunit minK with the sarcomeric protein T-cap suggests a T-tubule-myofibril linking system. Journal of Molecular Biology, 2001, 313, 775-784.	2.0	135
22	Neuroprotection by K channels. Journal of Molecular and Cellular Cardiology, 2005, 38, 945-949.	0.9	135
23	Renal sodium glucose cotransporter 2 inhibitors as a novel therapeutic approach to treatment of type 2 diabetes: Clinical data and mechanism of action. Journal of Diabetes Investigation, 2014, 5, 265-275.	1.1	129
24	Localization of mouse mitochondrial SIRT proteins: Shift of SIRT3 to nucleus by co-expression with SIRT5. Biochemical and Biophysical Research Communications, 2008, 366, 174-179.	1.0	128
25	Glutamate Acts as a Key Signal Linking Glucose Metabolism to Incretin/cAMP Action to Amplify Insulin Secretion. Cell Reports, 2014, 9, 661-673.	2.9	128
26	Clinical Features of Nivolumab-Induced Thyroiditis: A Case Series Study. Thyroid, 2017, 27, 894-901.	2.4	123
27	The C42R Mutation in the Kir6.2 (KCNJ11) Gene as a Cause of Transient Neonatal Diabetes, Childhood Diabetes, or Later-Onset, Apparently Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 3174-3178.	1.8	111
28	Efficacy and safety of canagliflozin monotherapy in Japanese patients with type 2 diabetes inadequately controlled with diet and exercise: a 24-week, randomized, double-blind, placebo-controlled, Phase III study. Expert Opinion on Pharmacotherapy, 2014, 15, 1501-1515.	0.9	111
29	Characterization and Classification of ATP-binding Cassette Transporter ABCA3 Mutants in Fatal Surfactant Deficiency. Journal of Biological Chemistry, 2006, 281, 34503-34514.	1.6	109
30	Factors Affecting Canagliflozin-Induced Transient Urine Volume Increase in Patients with Type 2 Diabetes Mellitus. Advances in Therapy, 2017, 34, 436-451.	1.3	104
31	Overexpression of SIRT5 confirms its involvement in deacetylation and activation of carbamoyl phosphate synthetase 1. Biochemical and Biophysical Research Communications, 2010, 393, 73-78.	1.0	102
32	PACAP and Its Receptors Exert Pleiotropic Effects in The Nervous System by Activating Multiple Signaling Pathways. Current Protein and Peptide Science, 2002, 3, 423-439.	0.7	100
33	Disruption of TBP-2 ameliorates insulin sensitivity and secretion without affecting obesity. Nature Communications, 2010, 1, 127.	5.8	98
34	Free Fatty Acid Receptor GPR120 Is Highly Expressed in Enteroendocrine K Cells of the Upper Small Intestine and Has a Critical Role in GIP Secretion After Fat Ingestion. Endocrinology, 2015, 156, 837-846.	1.4	97
35	Causes of death in Japanese patients with diabetes based on the results of a survey of 45,708 cases during 2001â€“2010: Report of the Committee on Causes of Death in Diabetes Mellitus. Journal of Diabetes Investigation, 2017, 8, 397-410.	1.1	95
36	Heterozygous RFX6 protein truncating variants are associated with MODY with reduced penetrance. Nature Communications, 2017, 8, 888.	5.8	95

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37	Incidence, features, and prognosis of immune-related adverse events involving the thyroid gland induced by nivolumab. PLoS ONE, 2019, 14, e0216954.	1.1	92
38	Cloning and Pharmacological Characterization of a Fourth P2X Receptor Subtype Widely Expressed in Brain and Peripheral Tissues Including Various Endocrine Tissues. Biochemical and Biophysical Research Communications, 1996, 220, 196-202.	1.0	91
39	Safety and efficacy of oral semaglutide versus dulaglutide in Japanese patients with type 2 diabetes (PIONEER 10): an open-label, randomised, active-controlled, phase 3a trial. Lancet Diabetes and Endocrinology,the, 2020, 8, 392-406.	5.5	91
40	ClCâ€3B, a novel ClCâ€3 splicing variant that interacts with EBP50 and facilitates expression of CFTRâ€regulated ORCC. FASEB Journal, 2002, 16, 863-865.	0.2	90
41	Beneficial Effects of Exendin-4 on Experimental Polyneuropathy in Diabetic Mice. Diabetes, 2011, 60, 2397-2406.	0.3	89
42	Tissue distribution and species difference of the brain type glucose transporter (GLUT3). Biochemical and Biophysical Research Communications, 1991, 174, 470-477.	1.0	88
43	Molecular and cellular characteristics of ABCA3 mutations associated with diffuse parenchymal lung diseases in children. Human Molecular Genetics, 2012, 21, 765-775.	1.4	85
44	Analysis of factors influencing pancreatic Î²-cell function in Japanese patients with type 2 diabetes: Association with body mass index and duration of diabetic exposure. Diabetes Research and Clinical Practice, 2008, 82, 353-358.	1.1	84
45	Effects of pretransplant sarcopenia and sequential changes in sarcopenic parameters after living donor liver transplantation. Nutrition, 2017, 33, 195-198.	1.1	83
46	Curcumin inhibits glucose production in isolated mice hepatocytes. Diabetes Research and Clinical Practice, 2008, 80, 185-191.	1.1	82
47	Exendin-4 Suppresses Src Activation and Reactive Oxygen Species Production in Diabetic Goto-Kakizaki Rat Islets in an Epac-Dependent Manner. Diabetes, 2011, 60, 218-226.	0.3	82
48	ABC transporter A3 facilitates lysosomal sequestration of imatinib and modulates susceptibility of chronic myeloid leukemia cell lines to this drug. Haematologica, 2009, 94, 1528-1536.	1.7	80
49	Little enhancement of mealâ€induced glucagonâ€like peptideâ€ƒ1 secretion in Japanese: Comparison of typeâ€ƒ2 diabetes patients and healthy controls. Journal of Diabetes Investigation, 2010, 1, 56-59.	1.1	80
50	Transcriptional Regulatory Factor X6 (Rfx6) Increases Gastric Inhibitory Polypeptide (GIP) Expression in Enteroendocrine K-cells and Is Involved in GIP Hypersecretion in High Fat Diet-induced Obesity. Journal of Biological Chemistry, 2013, 288, 1929-1938.	1.6	79
51	Gastric Inhibitory Polypeptide: Structure and Chromosomal Localization of the Human Gene. Molecular Endocrinology, 1989, 3, 1014-1021.	3.7	76
52	Noc2, a Putative Zinc Finger Protein Involved in Exocytosis in Endocrine Cells. Journal of Biological Chemistry, 1997, 272, 29407-29410.	1.6	76
53	cDNA Sequence, Gene Structure, and Chromosomal Localization of the Human ATP-Sensitive Potassium Channel, uKATP-1, Gene (KCNJ8). Genomics, 1995, 30, 102-104.	1.3	75
54	ATP-Binding Cassette Transporter ABC2/ABCA2 in the Rat Brain: A Novel Mammalian Lysosome-Associated Membrane Protein and a Specific Marker for Oligodendrocytes But Not for Myelin Sheaths. Journal of Neuroscience, 2001, 21, 849-857.	1.7	75

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55	An Autocrine/Paracrine Loop Linking Keratin 14 Aggregates to Tumor Necrosis Factor Î±-mediated Cytotoxicity in a Keratinocyte Model of Epidermolysis Bullosa Simplex. Journal of Biological Chemistry, 2004, 279, 7296-7303.	1.6	75
56	Efficacy and Safety Profile of Exenatide Once Weekly Compared With Insulin Once Daily in Japanese Patients With Type 2 Diabetes Treated With Oral Antidiabetes Drug(s): Results From a 26-Week, Randomized, Open-Label, Parallel-Group, Multicenter, Noninferiority Study. Clinical Therapeutics, 2012, 34, 1892-1908.e1.	1.1	74
57	Once-weekly trelagliptin versus daily alogliptin in Japanese patients with type 2 diabetes: a randomised, double-blind, phase 3, non-inferiority study. Lancet Diabetes and Endocrinology,the, 2015, 3, 191-197.	5.5	74
58	Inhibition of Gastric Inhibitory Polypeptide Receptor Signaling in Adipose Tissue Reduces Insulin Resistance and Hepatic Steatosis in High-Fat Dietâ€“Fed Mice. Diabetes, 2017, 66, 868-879.	0.3	74
59	Empagliflozin Monotherapy in Japanese Patients with Type 2 Diabetes Mellitus: a Randomized, 12-Week, Double-Blind, Placebo-Controlled, Phase II Trial. Advances in Therapy, 2014, 31, 621-638.	1.3	73
60	Human ABCA3, a product of a responsible gene for abca3 for fatal surfactant deficiency in newborns, exhibits unique ATP hydrolysis activity and generates intracellular multilamellar vesicles. Biochemical and Biophysical Research Communications, 2004, 324, 262-268.	1.0	72
61	SUIT, secretory units of islets in transplantation: An index for therapeutic management of islet transplanted patients and its application to type 2 diabetes. Diabetes Research and Clinical Practice, 2006, 74, 222-226.	1.1	71
62	Significance of Computed Tomography and Serum Potassium in Predicting Subtype Diagnosis of Primary Aldosteronism. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 900-908.	1.8	70
63	High Prevalence of Diabetes in Patients With Primary Aldosteronism (PA) Associated With Subclinical Hypercortisolism and Prediabetes More Prevalent in Bilateral Than Unilateral PA: A Large, Multicenter Cohort Study in Japan. Diabetes Care, 2019, 42, 938-945.	4.3	70
64	Aberrant catalytic cycle and impaired lipid transport into intracellular vesicles in ABCA3 mutants associated with nonfatal pediatric interstitial lung disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L698-L707.	1.3	69
65	Metformin: New Preparations and Nonglycemic Benefits. Current Diabetes Reports, 2017, 17, 5.	1.7	67
66	Effects of thorough mastication on postprandial plasma glucose concentrations in nonobese Japanese subjects. Metabolism: Clinical and Experimental, 2005, 54, 1593-1599.	1.5	66
67	Sulfonylurea and glinide reduce insulin content, functional expression of KATP channels, and accelerate apoptotic Î²-cell death in the chronic phase. Diabetes Research and Clinical Practice, 2007, 77, 343-350.	1.1	65
68	Dysregulated glycolysis as an oncogenic event. Cellular and Molecular Life Sciences, 2015, 72, 1881-1892.	2.4	65
69	GLP-1 receptor antagonist as a potential probe for pancreatic Î²-cell imaging. Biochemical and Biophysical Research Communications, 2009, 389, 523-526.	1.0	64
70	Role of sodiumâ€glucose transporters in glucose uptake of the intestine and kidney. Journal of Diabetes Investigation, 2012, 3, 352-353.	1.1	63
71	ABCA3-mediated choline-phospholipids uptake into intracellular vesicles in A549 cells. FEBS Letters, 2007, 581, 3139-3144.	1.3	62
72	Efficacy and safety of canagliflozin alone or as addâ€on to other oral antihyperglycemic drugs in Japanese patients with type 2 diabetes: A 52â€week openâ€label study. Journal of Diabetes Investigation, 2015, 6, 210-218.	1.1	62

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73	<scp>iPSC</scp> technologyâ€based regenerative therapy for diabetes. Journal of Diabetes Investigation, 2018, 9, 234-243.	1.1	62
74	A novel GIP receptor splice variant influences GIP sensitivity of pancreatic Î²-cells in obese mice. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E61-E68.	1.8	60
75	Comparison of incretin immunoassays with or without plasma extraction: Incretin secretion in Japanese patients with type 2 diabetes. Journal of Diabetes Investigation, 2012, 3, 70-79.	1.1	59
76	Inhibition of GIP signaling modulates adiponectin levels under high-fat diet in mice. Biochemical and Biophysical Research Communications, 2008, 376, 21-25.	1.0	58
77	Ionic mechanisms and Ca2+ dynamics underlying the glucose response of pancreatic Î² cells: a simulation study. Journal of General Physiology, 2011, 138, 21-37.	0.9	58
78	Efficacy and safety of canagliflozin in combination with insulin: a double-blind, randomized, placebo-controlled study in Japanese patients with type 2 diabetes mellitus. Cardiovascular Diabetology, 2016, 15, 89.	2.7	58
79	Accuracy of adrenal computed tomography in predicting the unilateral subtype in young patients with hypokalaemia and elevation of aldosterone in primary aldosteronism. Clinical Endocrinology, 2018, 88, 645-651.	1.2	57
80	Effects of canagliflozin, an SGLT2 inhibitor, on hepatic function in Japanese patients with type 2 diabetes mellitus: pooled and subgroup analyses of clinical trials. Journal of Gastroenterology, 2018, 53, 140-151.	2.3	57
81	Somatostatin receptor subtype SSTR2 mediates the inhibition of high-voltage-activated calcium channels by somatostatin and its analogue SMS 201-995. FEBS Letters, 1994, 355, 117-120.	1.3	55
82	ABCA2 Deficiency Results in Abnormal Sphingolipid Metabolism in Mouse Brain. Journal of Biological Chemistry, 2007, 282, 19692-19699.	1.6	55
83	Influence of Renal Function on the 52-Week Efficacy and Safety of the Sodium Glucose Cotransporter 2 Inhibitor Luseogliflozin in Japanese Patients with Type 2 Diabetes Mellitus. Clinical Therapeutics, 2016, 38, 66-88.e20.	1.1	54
84	Early phase glucagon and insulin secretory abnormalities, but not incretin secretion, are similarly responsible for hyperglycemia after ingestion of nutrients. Journal of Diabetes and Its Complications, 2015, 29, 413-421.	1.2	53
85	Long-Chain Free Fatty Acid Receptor GPR120 Mediates Oil-Induced GIP Secretion Through CCK in Male Mice. Endocrinology, 2017, 158, 1172-1180.	1.4	51
86	Phosphorylation and functional regulation of CICâ€2 chloride channels expressed in Xenopus oocytes by M cyclinâ€dependent protein kinase. Journal of Physiology, 2002, 540, 883-893.	1.3	49
87	Paternal allelic mutation at the Kcnq1 locus reduces pancreatic Î²-cell mass by epigenetic modification of Cdkn1c. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8332-8337.	3.3	49
88	Causes of death in Japanese patients with diabetes based on the results of a survey of 45,708 cases during 2001â€“2010: report of Committee on Causes of Death in Diabetes Mellitus. Diabetology International, 2017, 8, 117-136.	0.7	49
89	Development and validation of subtype prediction scores for the workup of primary aldosteronism. Journal of Hypertension, 2018, 36, 2269-2276.	0.3	49
90	Expression of ABCA3, a causative gene for fatal surfactant deficiency, is up-regulated by glucocorticoids in lung alveolar type II cells. Biochemical and Biophysical Research Communications, 2004, 323, 547-555.	1.0	48

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91	Heterozygous variants of multidrug and toxin extrusions (MATE1 and MATE2-K) have little influence on the disposition of metformin in diabetic patients. Pharmacogenetics and Genomics, 2010, 20, 135-138.	0.7	48
92	SIRT5 deacetylates and activates urate oxidase in liver mitochondria of mice. FEBS Letters, 2012, 586, 4076-4081.	1.3	48
93	Obesity as a Key Factor Underlying Idiopathic Hyperaldosteronism. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 4456-4464.	1.8	48
94	ATP-Sensitive Potassium Channels: Structures, Functions, and Pathophysiology. The Japanese Journal of Physiology, 1998, 48, 397-412.	0.9	47
95	Utility of indices using C-peptide levels for indication of insulin therapy to achieve good glycemic control in Japanese patients with typeâ€ƒ2 diabetes. Journal of Diabetes Investigation, 2011, 2, 297-303.	1.1	47
96	SYR-472, a novel once-weekly dipeptidyl peptidase-4 (DPP-4) inhibitor, in type 2 diabetes mellitus: a phase 2, randomised, double-blind, placebo-controlled trial. Lancet Diabetes and Endocrinology,the, 2014, 2, 125-132.	5.5	47
97	Intraâ€•and interâ€•subject variability for increases in serum ketone bodies in patients with type 2 diabetes treated with the sodium glucose coâ€•transporter 2 inhibitor canagliflozin. Diabetes, Obesity and Metabolism, 2018, 20, 1321-1326.	2.2	47
98	Efficacy and safety of luseogliflozin added to various oral antidiabetic drugs in Japanese patients with type 2 diabetes mellitus. Journal of Diabetes Investigation, 2015, 6, 443-453.	1.1	46
99	Cloning, characterization and tissue distribution of the rat ATP-binding cassette (ABC) transporter ABC2/ABCA2. Biochemical Journal, 2000, 350, 865-872.	1.7	45
100	Dietary Corosolic Acid Ameliorates Obesity and Hepatic Steatosis in KK-Ay Mice. Biological and Pharmaceutical Bulletin, 2008, 31, 651-655.	0.6	45
101	Mastication and Risk for Diabetes in a Japanese Population: A Cross-Sectional Study. PLoS ONE, 2013, 8, e64113.	1.1	45
102	Efficacy and safety of canagliflozin as addâ€•on therapy to teneligliptin in <scp>J</scp>apanese patients with type 2 diabetes mellitus: <scp>R</scp>esults of a 24â€•week, randomized, doubleâ€•blind, placeboâ€•controlled trial. Diabetes, Obesity and Metabolism, 2017, 19, 874-882.	2.2	45
103	Characteristics of the Japanese Diet Described in Epidemiologic Publications: A Qualitative Systematic Review. Journal of Nutritional Science and Vitaminology, 2018, 64, 129-137.	0.2	45
104	Clinical and biochemical outcomes after adrenalectomy and medical treatment in patients with unilateral primary aldosteronism. Journal of Hypertension, 2019, 37, 1513-1520.	0.3	44
105	Glucose-stimulated Single Pancreatic Islets Sustain Increased Cytosolic ATP Levels during Initial Ca2+ Influx and Subsequent Ca2+ Oscillations. Journal of Biological Chemistry, 2014, 289, 2205-2216.	1.6	43
106	Palmitate induces reactive oxygen species production and Î²â€•cell dysfunction by activating nicotinamide adenine dinucleotide phosphate oxidase through <scp>S</scp>rc signaling. Journal of Diabetes Investigation, 2014, 5, 19-26.	1.1	43
107	Importance of contralateral aldosterone suppression during adrenal vein sampling in the subtype evaluation of primary aldosteronism. Clinical Endocrinology, 2015, 83, 462-467.	1.2	43
108	Efficacy and Safety of Empagliflozin Monotherapy for 52 Weeks in Japanese Patients with Type 2 Diabetes: A Randomized, Double-Blind, Parallel-Group Study. Advances in Therapy, 2015, 32, 306-318.	1.3	43

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109	Pharmacokinetics, Pharmacodynamics, and Safety of Canagliflozin in Japanese Patients with Type 2 Diabetes Mellitus. Advances in Therapy, 2015, 32, 768-782.	1.3	43
110	Efficacy and Safety of the SGLT2 Inhibitor Luseogliflozin in Japanese Patients With Type 2 Diabetes Mellitus Stratified According to Baseline Body Mass Index: Pooled Analysis of Data From 52-Week Phase III Trials. Clinical Therapeutics, 2016, 38, 843-862.e9.	1.1	43
111	Circulating osteocrin stimulates bone growth by limiting C-type natriuretic peptide clearance. Journal of Clinical Investigation, 2017, 127, 4136-4147.	3.9	43
112	System for simultaneously monitoring heart and breathing rate in mice using a piezoelectric transducer. Medical and Biological Engineering and Computing, 2006, 44, 353-362.	1.6	42
113	Tetrahydrobiopterin Has a Glucose-Lowering Effect by Suppressing Hepatic Gluconeogenesis in an Endothelial Nitric Oxide Synthaseâ€"Dependent Manner in Diabetic Mice. Diabetes, 2013, 62, 3033-3043.	0.3	42
114	Fatty acid-binding protein 5 regulates diet-induced obesity via GIP secretion from enteroendocrine K cells in response to fat ingestion. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E583-E591.	1.8	42
115	Oral Administration of Apple Procyanidins Ameliorates Insulin Resistance via Suppression of Pro-Inflammatory Cytokine Expression in Liver of Diabetic ob/ob Mice. Journal of Agricultural and Food Chemistry, 2016, 64, 8857-8865.	2.4	42
116	Temporal and spatial profiles of ABCA2-expressing oligodendrocytes in the developing rat brain. Journal of Comparative Neurology, 2003, 455, 353-367.	0.9	41
117	Purkinje cell protein 4 positively regulates neurite outgrowth and neurotransmitter release. Journal of Neuroscience Research, 2011, 89, 1519-1530.	1.3	40
118	Ingestion of a moderate highâ€sucrose diet results in glucose intolerance with reduced liver glucokinase activity and impaired glucagonâ€like peptideâ€1 secretion. Journal of Diabetes Investigation, 2012, 3, 432-440.	1.1	40
119	The G-Protein-Coupled Long-Chain Fatty Acid Receptor GPR40 and Glucose Metabolism. Frontiers in Endocrinology, 2014, 5, 152.	1.5	39
120	Factors responsible for deteriorating glucose tolerance in newly diagnosed type 2 diabetes in Japanese men. Metabolism: Clinical and Experimental, 2006, 55, 53-58.	1.5	38
121	Effect of corosolic acid on gluconeogenesis in rat liver. Diabetes Research and Clinical Practice, 2008, 80, 48-55.	1.1	37
122	Chronic administration of apple polyphenols ameliorates hyperglycaemia in high-normal and borderline subjects: A randomised, placebo-controlled trial. Diabetes Research and Clinical Practice, 2017, 129, 43-51.	1.1	37
123	Chronic high-sucrose diet increases fibroblast growth factor 21 production and energy expenditure in mice. Journal of Nutritional Biochemistry, 2017, 49, 71-79.	1.9	37
124	Bullous pemphigoid associated with dipeptidyl peptidaseâ€4 inhibitors: A report of five cases. Journal of Diabetes Investigation, 2018, 9, 445-447.	1.1	37
125	Modulation of reconstituted ATP-sensitive K+channels by GTP-binding proteins in a mammalian cell line. Journal of Physiology, 1998, 507, 315-324.	1.3	36
126	M Phase-specific Expression and Phosphorylation-dependent Ubiquitination of the ClC-2 Channel. Journal of Biological Chemistry, 2002, 277, 32268-32273.	1.6	36

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127	Gatifloxacin acutely stimulates insulin secretion and chronically suppresses insulin biosynthesis. European Journal of Pharmacology, 2006, 553, 67-72.	1.7	36
128	Association Between Acute Fall in Estimated Glomerular Filtration Rate After Treatment for Primary Aldosteronism and Long-Term Decline in Renal Function. Hypertension, 2019, 74, 630-638.	1.3	36
129	GLP-1 receptor signaling protects pancreatic beta cells in intraportal islet transplant by inhibiting apoptosis. Biochemical and Biophysical Research Communications, 2008, 367, 793-798.	1.0	35
130	KATP channel as well as SGLT1 participates in GIP secretion in the diabetic state. Journal of Endocrinology, 2014, 222, 191-200.	1.2	35
131	Genetic inactivation of GIP signaling reverses aging-associated insulin resistance through body composition changes. Biochemical and Biophysical Research Communications, 2007, 364, 175-180.	1.0	34
132	A comparison between 11C-methionine PET/CT and MIBI SPECT/CT for localization of parathyroid adenomas/hyperplasia. Nuclear Medicine Communications, 2015, 36, 53-59.	0.5	34
133	Glycemic Variability Is Associated With Quality of Life and Treatment Satisfaction in Patients With Type 1 Diabetes. Diabetes Care, 2015, 38, e1-e2.	4.3	34
134	Myotonic dystrophy type 1 patient-derived iPSCs for the investigation of CTG repeat instability. Scientific Reports, 2017, 7, 42522.	1.6	34
135	Molecular properties of the putative autolysin AtlWM encoded by Staphylococcus warneri M: Mutational and biochemical analyses of the amidase and glucosaminidase domains. Gene, 2008, 416, 66-76.	1.0	32
136	Niemannâ€“Pick type C disease: Novel NPC1 mutations and characterization of the concomitant acid sphingomyelinase deficiency. Molecular Genetics and Metabolism, 2006, 87, 113-121.	0.5	31
137	Effects of glucose and meal ingestion on incretin secretion in Japanese subjects with normal glucose tolerance. Journal of Diabetes Investigation, 2012, 3, 80-85.	1.1	31
138	Reduction of Reactive Oxygen Species Ameliorates Metabolism-Secretion Coupling in Islets of Diabetic GK Rats by Suppressing Lactate Overproduction. Diabetes, 2013, 62, 1996-2003.	0.3	31
139	Rapamycin impairs metabolism-secretion coupling in rat pancreatic islets by suppressing carbohydrate metabolism. Journal of Endocrinology, 2010, 204, 37-46.	1.2	30
140	Betaâ€cell replacement strategies for diabetes. Journal of Diabetes Investigation, 2018, 9, 457-463.	1.1	30
141	Cloning of ABCA17, a novel rodent sperm-specific ABC (ATP-binding cassette) transporter that regulates intracellular lipid metabolism. Biochemical Journal, 2005, 389, 577-585.	1.7	29
142	Plasma gastric inhibitory polypeptide and glucagon-like peptide-1 levels after glucose loading are associated with different factors in Japanese subjects. Journal of Diabetes Investigation, 2011, 2, 193-199.	1.1	29
143	Tooth Loss and Atherosclerosis. Journal of Dental Research, 2015, 94, 52S-58S.	2.5	29
144	Impaired metabolismâ€“secretion coupling in pancreatic Î²-cells: Role of determinants of mitochondrial ATP production. Diabetes Research and Clinical Practice, 2007, 77, S2-S10.	1.1	28

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145	Lectin-like oxidized LDL receptor-1 (LOX-1) acts as a receptor for remnant-like lipoprotein particles (RLPs) and mediates RLP-induced migration of vascular smooth muscle cells. Atherosclerosis, 2008, 198, 272-279.	0.4	28
146	DEPTOR-related mTOR suppression is involved in metformin's anti-cancer action in human liver cancer cells. Biochemical and Biophysical Research Communications, 2015, 460, 1047-1052.	1.0	28
147	Efficacy and safety of teneligliptin added to canagliflozin monotherapy in Japanese patients with type 2 diabetes mellitus: A multicentre, randomized, doubleâ€blind, placeboâ€controlled, parallelâ€group comparative study. Diabetes, Obesity and Metabolism, 2018, 20, 453-457.	2.2	28
148	Amount of Collagen in the Meat Contained in Japanese Daily Dishes and the Collagen Peptide Content in Human Blood after Ingestion of Cooked Fish Meat. Journal of Agricultural and Food Chemistry, 2019, 67, 2831-2838.	2.4	28
149	Renal impairment is closely associated with plasma aldosterone concentration in patients with primary aldosteronism. European Journal of Endocrinology, 2019, 181, 339-350.	1.9	28
150	Cellular Senescence in Diabetes Mellitus: Distinct Senotherapeutic Strategies for Adipose Tissue and Pancreatic Î² Cells. Frontiers in Endocrinology, 2022, 13, 869414.	1.5	28
151	ATP-binding cassette transporter ABCA2 (ABC2) expression in the developing spinal cord and PNS during myelination. Journal of Comparative Neurology, 2002, 451, 334-345.	0.9	27
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153	The effect of gastric inhibitory polypeptide on intestinal glucose absorption and intestinal motility in mice. Biochemical and Biophysical Research Communications, 2011, 404, 115-120.	1.0	27
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