Naoto Kubota

List of Publications by Year
in descending order

57 papers	8,454 citations	159525 30 h-index	161767 54 g-index
60 all docs	60 docs citations	60 times ranked	11363 citing authors

#	Article	IF	Citations
1	Adiponectin and adiponectin receptors in insulin resistance, diabetes, and the metabolic syndrome. Journal of Clinical Investigation, 2006, 116, 1784-1792.	3.9	2,339
2	Disruption of Adiponectin Causes Insulin Resistance and Neointimal Formation. Journal of Biological Chemistry, 2002, 277, 25863-25866.	1.6	1,149
3	Overexpression of Monocyte Chemoattractant Protein-1 in Adipose Tissues Causes Macrophage Recruitment and Insulin Resistance. Journal of Biological Chemistry, 2006, 281, 26602-26614.	1.6	746
4	Adiponectin Stimulates AMP-Activated Protein Kinase in the Hypothalamus and Increases Food Intake. Cell Metabolism, 2007, 6, 55-68.	7.2	701
5	Impaired Insulin Signaling in Endothelial Cells Reduces Insulin-Induced Glucose Uptake by Skeletal Muscle. Cell Metabolism, 2011, 13, 294-307.	7.2	362
6	Glucokinase and IRS-2 are required for compensatory Â cell hyperplasia in response to high-fat diet-induced insulin resistance. Journal of Clinical Investigation, 2007, 117, 246-257.	3.9	290
7	Pioglitazone Ameliorates Insulin Resistance and Diabetes by Both Adiponectin-dependent and -independent Pathways. Journal of Biological Chemistry, 2006, 281, 8748-8755.	1.6	274
8	Adiponectin Enhances Insulin Sensitivity by Increasing Hepatic IRS-2 Expression via a Macrophage-Derived IL-6-Dependent Pathway. Cell Metabolism, 2011, 13, 401-412.	7.2	236
9	The physiological and pathophysiological role of adiponectin and adiponectin receptors in the peripheral tissues and CNS. FEBS Letters, 2008, 582, 74-80.	1.3	224
10	Insulin receptor substrate 2 plays a crucial role in Î² cells and the hypothalamus. Journal of Clinical Investigation, 2004, 114, 917-927.	3.9	209
11	Dynamic Functional Relay between Insulin Receptor Substrate 1 and 2 in Hepatic Insulin Signaling during Fasting and Feeding. Cell Metabolism, 2008, 8, 49-64.	7.2	204
12	Role of Insulin Resistance in MAFLD. International Journal of Molecular Sciences, 2021, 22, 4156.	1.8	131
13	Imbalanced Insulin Actions in Obesity and Type 2 Diabetes: Key Mouse Models of Insulin Signaling Pathway. Cell Metabolism, 2017, 25, 797-810.	7.2	124
14	Lack of Insulin Receptor Substrate-2 Causes Progressive Neointima Formation in Response to Vessel Injury. Circulation, 2003, 107, 3073-3080.	1.6	118
15	Tofogliflozin Improves Insulin Resistance in Skeletal Muscle and Accelerates Lipolysis in Adipose Tissue in Male Mice. Endocrinology, 2016, 157, 1029-1042.	1.4	116
16	The RNA Methyltransferase Complex of WTAP, METTL3, and METTL14 Regulates Mitotic Clonal Expansion in Adipogenesis. Molecular and Cellular Biology, 2018, 38, .	1.1	114
17	Pioglitazone Reduces Islet Triglyceride Content and Restores Impaired Glucose-Stimulated Insulin Secretion in Heterozygous Peroxisome Proliferator-Activated Receptor-Â-Deficient Mice on a High-Fat Diet. Diabetes, 2004, 53, 2844-2854.	0.3	89
18	LPIAT1/MBOAT7 depletion increases triglyceride synthesis fueled by high phosphatidylinositol turnover. Gut, 2021, 70, 180-193.	6.1	86

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19	Differential hepatic distribution of insulin receptor substrates causes selective insulin resistance in diabetes and obesity. Nature Communications, 2016, 7, 12977.	5.8	77
20	TCF7L2 in mouse pancreatic beta cells plays a crucial role in glucose homeostasis by regulating beta cell mass. Diabetologia, 2014, 57, 542-553.	2.9	75
21	Differential effects of diet- and genetically-induced brain insulin resistance on amyloid pathology in a mouse model of Alzheimerâ€™s disease. Molecular Neurodegeneration, 2019, 14, 15.	4.4	74
22	Dual Regulation of Gluconeogenesis by Insulin and Glucose in the Proximal Tubules of the Kidney. Diabetes, 2017, 66, 2339-2350.	0.3	61
23	Downregulation of macrophage Irs2 by hyperinsulinemia impairs IL-4-indeuced M2a-subtype macrophage activation in obesity. Nature Communications, 2018, 9, 4863.	5.8	60
24	<scp>l</scp> -cysteine reversibly inhibits glucose-induced biphasic insulin secretion and ATP production by inactivating PKM2. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1067-76.	3.3	57
25	Sirtuin1 Maintains Actin Cytoskeleton by Deacetylation of Cortactin in Injured Podocytes. Journal of the American Society of Nephrology: JASN, 2015, 26, 1939-1959.	3.0	56
26	Hepatic Sdf2l1 controls feeding-induced ER stress and regulates metabolism. Nature Communications, 2019, 10, 947.	5.8	52
27	Adiponectin Enhances Antibacterial Activity of Hematopoietic Cells by Suppressing Bone Marrow Inflammation. Immunity, 2016, 44, 1422-1433.	6.6	37
28	Role of insulin receptor substrates in the progression of hepatocellular carcinoma. Scientific Reports, 2017, 7, 5387.	1.6	37
29	Adiponectin Enhances Quiescence Exit of Murine Hematopoietic Stem Cells and Hematopoietic Recovery Through mTORC1 Potentiation. Stem Cells, 2017, 35, 1835-1848.	1.4	34
30	Association between tear and blood glucose concentrations: Random intercept model adjusted with confounders in tear samples negative for occult blood. Journal of Diabetes Investigation, 2021, 12, 266-276.	1.1	34
31	The role of endothelial insulin signaling in the regulation of glucose metabolism. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 207-216.	2.6	33
32	Insulin Receptor Substrate-2 (Irs2) in Endothelial Cells Plays a Crucial Role in Insulin Secretion. Diabetes, 2015, 64, 876-886.	0.3	33
33	Chronic nicotinamide mononucleotide supplementation elevates blood nicotinamide adenine dinucleotide levels and alters muscle function in healthy older men. , 2022, 8, .		30
34	Insulin- and Lipopolysaccharide-Mediated Signaling in Adipose Tissue Macrophages Regulates Postprandial Glycemia through Akt-mTOR Activation. Molecular Cell, 2020, 79, 43-53.e4.	4.5	29
35	Impact of Genetic Background and Ablation of Insulin Receptor Substrate (IRS)-3 on IRS-2 Knock-out Mice. Journal of Biological Chemistry, 2003, 278, 14284-14290.	1.6	26
36	Subcellular Localization of Insulin Receptor Substrate Family Proteins Associated With Phosphatidylinositol 3-Kinase Activity and Alterations in Lipolysis in Primary Mouse Adipocytes From IRS-1 Null Mice. Diabetes, 2001, 50, 1455-1463.	0.3	21

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37	Anagliptin increases insulin-induced skeletal muscle glucose uptake via an NO-dependent mechanism in mice. Diabetologia, 2016, 59, 2426-2434.	2.9	17
38	LPL/AQP7/GPD2 promotes glycerol metabolism under hypoxia and prevents cardiac dysfunction during ischemia. FASEB Journal, 2021, 35, e22048.	0.2	11
39	Sex-related differences in the effects of nutritional status and body composition on functional disability in the elderly. PLoS ONE, 2021, 16, e0246276.	1.1	10
40	SnapShot: Physiology of Insulin Signaling. Cell, 2012, 148, 834-834.e1.	13.5	9
41	Differential involvement of insulin receptor substrate (IRS)-1 and IRS-2 in brain insulin signaling is associated with the effects on amyloid pathology in a mouse model of Alzheimer's disease. Neurobiology of Disease, 2021, 159, 105510.	2.1	9
42	Pioglitazone Ameliorates Smooth Muscle Cell Proliferation in Cuff-Induced Neointimal Formation by Both Adiponectin-Dependent and -Independent Pathways. Scientific Reports, 2016, 6, 34707.	1.6	8
43	Protein intake after the initiation of chemotherapy is an independent prognostic factor for overall survival in patients with unresectable pancreatic cancer: A prospective cohort study. Clinical Nutrition, 2021, 40, 4792-4798.	2.3	8
44	Using mHealth to Provide Mobile App Users With Visualization of Health Checkup Data and Educational Videos on Lifestyle-Related Diseases: Methodological Framework for Content Development. JMIR MHealth and UHealth, 2020, 8, e20982.	1.8	8
45	Novel and Simple Ultrasonographic Methods for Estimating the Abdominal Visceral Fat Area. International Journal of Endocrinology, 2017, 2017, 1-12.	0.6	6
46	Late-Evening Carbohydrate and Branched-Chain Amino Acid Snacks Improve the Nutritional Status of Patients Undergoing Hepatectomy Based on Bioelectrical Impedance Analysis of Body Composition. Gastrointestinal Tumors, 2019, 6, 81-91.	0.3	5
47	A xanthene derivative, DS20060511, attenuates glucose intolerance by inducing skeletal muscle-specific GLUT4 translocation in mice. Communications Biology, 2021, 4, 994.	2.0	4
48	Lack of Brain Insulin Receptor Substrate-1 Causes Growth Retardation, With Decreased Expression of Growth Hormoneâ€“Releasing Hormone in the Hypothalamus. Diabetes, 2021, 70, 1640-1653.	0.3	3
49	Chronic Intestinal Pseudo-obstruction with Mitochondrial Diseases. Internal Medicine, 2022, 61, 469-474.	0.3	3
50	Fast and Accurate Ultrasonography for Visceral Fat Measurement. Lecture Notes in Computer Science, 2010, 13, 50-58.	1.0	3
51	The sodiumâ€glucose coâ€transporter 2 inhibitor tofogliflozin suppresses atherosclerosis through glucose lowering in ApoEâ€deficient mice with streptozotocinâ€induced diabetes. Pharmacology Research and Perspectives, 2022, 10, .	1.1	3
52	Combined treatment with low-dose pioglitazone and beraprost sodium improves glucose intolerance without causing body weight gain. Diabetology International, 2013, 4, 226-232.	0.7	2
53	Calorie restriction-mediated restoration of hypothalamic signal transducer and activator of transcription 3 (STAT3) phosphorylation is not effective for lowering the body weight set point in IRS-2 knockout obese mice. Diabetology International, 2015, 6, 321-335.	0.7	2
54	Effect of home enteral nutrition after pancreaticoduodenectomy. Nutrition, 2019, 60, 206-211.	1.1	2

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55	Effects of beraprost sodium, an oral prostacyclin analog, on insulin resistance in patients with type 2 diabetes. Diabetology International, 2015, 6, 39-45.	0.7	1
56	Midlobular zone 2 hepatocytes: A gatekeeper of liver homeostasis. Cell Metabolism, 2021, 33, 855-856.	7.2	1
57	Evi1 Is a Stem Cell-Specific Regulator of Self-Renewal Capacity In the Definitive Hematopoietic System. Blood, 2010, 116, 838-838.	0.6	0