

Naoto Kubota

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55
papers

6,785
citations

27
h-index

60
g-index

60
ext. papers

7,526
ext. citations

10
avg, IF

5.06
L-index

#	Paper	IF	Citations
55	Adiponectin and adiponectin receptors in insulin resistance, diabetes, and the metabolic syndrome. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1784-92	15.9	1967
54	Disruption of adiponectin causes insulin resistance and neointimal formation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25863-6	5.4	967
53	Overexpression of monocyte chemoattractant protein-1 in adipose tissues causes macrophage recruitment and insulin resistance. <i>Journal of Biological Chemistry</i> , 2006 , 281, 26602-14	5.4	638
52	Adiponectin stimulates AMP-activated protein kinase in the hypothalamus and increases food intake. <i>Cell Metabolism</i> , 2007 , 6, 55-68	24.6	583
51	Impaired insulin signaling in endothelial cells reduces insulin-induced glucose uptake by skeletal muscle. <i>Cell Metabolism</i> , 2011 , 13, 294-307	24.6	298
50	Glucokinase and IRS-2 are required for compensatory beta cell hyperplasia in response to high-fat diet-induced insulin resistance. <i>Journal of Clinical Investigation</i> , 2007 , 117, 246-57	15.9	262
49	Pioglitazone ameliorates insulin resistance and diabetes by both adiponectin-dependent and -independent pathways. <i>Journal of Biological Chemistry</i> , 2006 , 281, 8748-55	5.4	242
48	Adiponectin enhances insulin sensitivity by increasing hepatic IRS-2 expression via a macrophage-derived IL-6-dependent pathway. <i>Cell Metabolism</i> , 2011 , 13, 401-412	24.6	197
47	The physiological and pathophysiological role of adiponectin and adiponectin receptors in the peripheral tissues and CNS. <i>FEBS Letters</i> , 2008 , 582, 74-80	3.8	191
46	Insulin receptor substrate 2 plays a crucial role in beta cells and the hypothalamus. <i>Journal of Clinical Investigation</i> , 2004 , 114, 917-27	15.9	187
45	Dynamic functional relay between insulin receptor substrate 1 and 2 in hepatic insulin signaling during fasting and feeding. <i>Cell Metabolism</i> , 2008 , 8, 49-64	24.6	172
44	Lack of insulin receptor substrate-2 causes progressive neointima formation in response to vessel injury. <i>Circulation</i> , 2003 , 107, 3073-80	16.7	104
43	Tofogliflozin Improves Insulin Resistance in Skeletal Muscle and Accelerates Lipolysis in Adipose Tissue in Male Mice. <i>Endocrinology</i> , 2016 , 157, 1029-42	4.8	90
42	Imbalanced Insulin Actions in Obesity and Type 2 Diabetes: Key Mouse Models of Insulin Signaling Pathway. <i>Cell Metabolism</i> , 2017 , 25, 797-810	24.6	84
41	Pioglitazone reduces islet triglyceride content and restores impaired glucose-stimulated insulin secretion in heterozygous peroxisome proliferator-activated receptor-gamma-deficient mice on a high-fat diet. <i>Diabetes</i> , 2004 , 53, 2844-54	0.9	81
40	The RNA Methyltransferase Complex of WTAP, METTL3, and METTL14 Regulates Mitotic Clonal Expansion in Adipogenesis. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	65
39	TCF7L2 in mouse pancreatic beta cells plays a crucial role in glucose homeostasis by regulating beta cell mass. <i>Diabetologia</i> , 2014 , 57, 542-53	10.3	64

38	Differential hepatic distribution of insulin receptor substrates causes selective insulin resistance in diabetes and obesity. <i>Nature Communications</i> , 2016 , 7, 12977	17.4	51
37	Differential effects of diet- and genetically-induced brain insulin resistance on amyloid pathology in a mouse model of Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2019 , 14, 15	19	46
36	Sirtuin1 Maintains Actin Cytoskeleton by Deacetylation of Cortactin in Injured Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 1939-59	12.7	46
35	Dual Regulation of Gluconeogenesis by Insulin and Glucose in the Proximal Tubules of the Kidney. <i>Diabetes</i> , 2017 , 66, 2339-2350	0.9	44
34	L-cysteine reversibly inhibits glucose-induced biphasic insulin secretion and ATP production by inactivating PKM2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1067-76	11.5	41
33	LPIAT1/MBOAT7 depletion increases triglyceride synthesis fueled by high phosphatidylinositol turnover. <i>Gut</i> , 2021 , 70, 180-193	19.2	39
32	Adiponectin Enhances Antibacterial Activity of Hematopoietic Cells by Suppressing Bone Marrow Inflammation. <i>Immunity</i> , 2016 , 44, 1422-33	32.3	29
31	Insulin receptor substrate-2 (Irs2) in endothelial cells plays a crucial role in insulin secretion. <i>Diabetes</i> , 2015 , 64, 876-86	0.9	28
30	Hepatic Sdf2l1 controls feeding-induced ER stress and regulates metabolism. <i>Nature Communications</i> , 2019 , 10, 947	17.4	28
29	Downregulation of macrophage Irs2 by hyperinsulinemia impairs IL-4-induced M2a-subtype macrophage activation in obesity. <i>Nature Communications</i> , 2018 , 9, 4863	17.4	27
28	The role of endothelial insulin signaling in the regulation of glucose metabolism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013 , 14, 207-16	10.5	24
27	Adiponectin Enhances Quiescence Exit of Murine Hematopoietic Stem Cells and Hematopoietic Recovery Through mTORC1 Potentiation. <i>Stem Cells</i> , 2017 , 35, 1835-1848	5.8	23
26	Role of insulin receptor substrates in the progression of hepatocellular carcinoma. <i>Scientific Reports</i> , 2017 , 7, 5387	4.9	23
25	Impact of genetic background and ablation of insulin receptor substrate (IRS)-3 on IRS-2 knock-out mice. <i>Journal of Biological Chemistry</i> , 2003 , 278, 14284-90	5.4	23
24	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. <i>Diabetes</i> , 2001 , 50, 1455-63	0.9	18
23	Role of Insulin Resistance in MAFLD. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	16
22	Anagliptin increases insulin-induced skeletal muscle glucose uptake via an NO-dependent mechanism in mice. <i>Diabetologia</i> , 2016 , 59, 2426-2434	10.3	14
21	Insulin- and Lipopolysaccharide-Mediated Signaling in Adipose Tissue Macrophages Regulates Postprandial Glycemia through Akt-mTOR Activation. <i>Molecular Cell</i> , 2020 , 79, 43-53.e4	17.6	12

20	Association between tear and blood glucose concentrations: Random intercept model adjusted with confounders in tear samples negative for occult blood. <i>Journal of Diabetes Investigation</i> , 2021 , 12, 266-276	3.9	11
19	SnapShot: physiology of insulin signaling. <i>Cell</i> , 2012 , 148, 834-834.e1	56.2	9
18	Sex-related differences in the effects of nutritional status and body composition on functional disability in the elderly. <i>PLoS ONE</i> , 2021 , 16, e0246276	3.7	6
17	Pioglitazone Ameliorates Smooth Muscle Cell Proliferation in Cuff-Induced Neointimal Formation by Both Adiponectin-Dependent and -Independent Pathways. <i>Scientific Reports</i> , 2016 , 6, 34707	4.9	5
16	Novel and Simple Ultrasonographic Methods for Estimating the Abdominal Visceral Fat Area. <i>International Journal of Endocrinology</i> , 2017 , 2017, 8796069	2.7	4
15	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. <i>JMIR MHealth and UHealth</i> , 2020 , 8, e20982	5.5	4
14	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. <i>Clinical Nutrition</i> , 2021 , 40, 4792-4798	5.9	3
13	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. <i>Diabetology International</i> , 2015 , 6, 321-335	2.3	2
12	Combined treatment with low-dose pioglitazone and beraprost sodium improves glucose intolerance without causing body weight gain. <i>Diabetology International</i> , 2013 , 4, 226-232	2.3	2
11	Fast and accurate ultrasonography for visceral fat measurement. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 50-8	0.9	2
10	Effect of home enteral nutrition after pancreaticoduodenectomy. <i>Nutrition</i> , 2019 , 60, 206-211	4.8	2
9	Effects of beraprost sodium, an oral prostacyclin analog, on insulin resistance in patients with type 2 diabetes. <i>Diabetology International</i> , 2015 , 6, 39-45	2.3	1
8	LPL/AQP7/GPD2 promotes glycerol metabolism under hypoxia and prevents cardiac dysfunction during ischemia. <i>FASEB Journal</i> , 2021 , 35, e22048	0.9	1
7	Lack of Brain Insulin Receptor Substrate-1 Causes Growth Retardation, With Decreased Expression of Growth Hormone-Releasing Hormone in the Hypothalamus. <i>Diabetes</i> , 2021 , 70, 1640-1653	0.9	1
6	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. <i>Gastrointestinal Tumors</i> , 2019 , 6, 81-91	1.3	1
5	A xanthene derivative, DS20060511, attenuates glucose intolerance by inducing skeletal muscle-specific GLUT4 translocation in mice. <i>Communications Biology</i> , 2021 , 4, 994	6.7	1
4	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. <i>Neurobiology of Disease</i> , 2021 , 159, 105510	7.5	1
3	A Case of Chronic Intestinal Pseudo-obstruction with Mitochondrial Diseases. <i>Internal Medicine</i> , 2021 ,	1.1	1

- 2 Evi1 Is a Stem Cell-Specific Regulator of Self-Renewal Capacity In the Definitive Hematopoietic System. *Blood*, **2010**, 116, 838-838 2.2
- 1 Midlobular zone 2 hepatocytes: A gatekeeper of liver homeostasis. *Cell Metabolism*, **2021**, 33, 855-856 24.6