Wataru Ogawa

List of Publications by Year
in descending order

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76 papers	2,937 citations	279487 23 h-index	168136 53 g-index
76 all docs	76 docs citations	76 times ranked	4477 citing authors

#	Article	IF	Citations
1	Insulin-Induced Phosphorylation and Activation of Cyclic Nucleotide Phosphodiesterase 3B by the Serine-Threonine Kinase Akt. Molecular and Cellular Biology, 1999, 19, 6286-6296.	1.1	324
2	Role of KrÃ¼ppel-like Factor 15 (KLF15) in Transcriptional Regulation of Adipogenesis. Journal of Biological Chemistry, 2005, 280, 12867-12875.	1.6	293
3	Role of hepatic STAT3 in brain-insulin action on hepatic glucose production. Cell Metabolism, 2006, 3, 267-275.	7.2	261
4	Euglycemic diabetic ketoacidosis induced by SGLT2 inhibitors: possible mechanism and contributing factors. Journal of Diabetes Investigation, 2016, 7, 135-138.	1.1	217
5	Ablation of PDK1 in pancreatic Î² cells induces diabetes as a result of loss of Î² cell mass. Nature Genetics, 2006, 38, 589-593.	9.4	201
6	Role of the Insulin Receptor Substrate 1 and Phosphatidylinositol 3-Kinase Signaling Pathway in Insulin-Induced Expression of Sterol Regulatory Element Binding Protein 1c and Glucokinase Genes in Rat Hepatocytes. Diabetes, 2002, 51, 1672-1680.	0.3	120
7	Hyperinsulinemia, glucose intolerance, and dyslipidemia induced by acute inhibition of phosphoinositide 3-kinase signaling in the liver. Journal of Clinical Investigation, 2002, 110, 1483-1491.	3.9	112
8	Hyperglycemia induces skeletal muscle atrophy via a WWP1/KLF15 axis. JCI Insight, 2019, 4, .	2.3	107
9	Dok1 mediates high-fat dietâ€“induced adipocyte hypertrophy and obesity through modulation of PPAR-Î³ phosphorylation. Nature Medicine, 2008, 14, 188-193.	15.2	100
10	Role of KLF15 in Regulation of Hepatic Gluconeogenesis and Metformin Action. Diabetes, 2010, 59, 1608-1615.	0.3	100
11	Clinical features of subclinical left ventricular systolic dysfunction in patients with diabetes mellitus. Cardiovascular Diabetology, 2015, 14, 37.	2.7	68
12	Hyperinsulinemia, glucose intolerance, and dyslipidemia induced by acute inhibition of phosphoinositide 3-kinase signaling in the liver. Journal of Clinical Investigation, 2002, 110, 1483-1491.	3.9	67
13	Role of KrÃ¼ppel-like factor 15 in PEPCK gene expression in the liver. Biochemical and Biophysical Research Communications, 2005, 327, 920-926.	1.0	64
14	PKCÎ» regulates glucose-induced insulin secretion through modulation of gene expression in pancreatic Î² cells. Journal of Clinical Investigation, 2005, 115, 138-145.	3.9	57
15	Inhibition of Insulin-induced Activation of Akt by a Kinase-deficient Mutant of the Îµ Isozyme of Protein Kinase C. Journal of Biological Chemistry, 2001, 276, 14400-14406.	1.6	36
16	Restoration of Glucokinase Expression in the Liver Normalizes Postprandial Glucose Disposal in Mice With Hepatic Deficiency of PDK1. Diabetes, 2007, 56, 1000-1009.	0.3	36
17	Postprandial serum C-peptide to plasma glucose concentration ratio correlates with oral glucose tolerance test- and glucose clamp-based disposition indexes. Metabolism: Clinical and Experimental, 2013, 62, 1470-1476.	1.5	36
18	Effects of daily glucose fluctuations on the healing response to everolimus-eluting stent implantation as assessed using continuous glucose monitoring and optical coherence tomography. Cardiovascular Diabetology, 2016, 15, 79.	2.7	36

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19	Enhanced Release of Glucose Into the Intraluminal Space of the Intestine Associated With Metformin Treatment as Revealed by [18F]Fluorodeoxyglucose PET-MRI. Diabetes Care, 2020, 43, 1796-1802.	4.3	33
20	Impact of CD14 ++ CD16 + monocytes on coronary plaque vulnerability assessed by optical coherence tomography in coronary artery disease patients. Atherosclerosis, 2018, 269, 245-251.	0.4	32
21	Impact of CD14++CD16+ monocytes on plaque vulnerability in diabetic and non-diabetic patients with asymptomatic coronary artery disease: a cross-sectional study. Cardiovascular Diabetology, 2017, 16, 96.	2.7	30
22	Mechanisms of metformin action: In and out of the gut. Journal of Diabetes Investigation, 2018, 9, 701-703.	1.1	30
23	Association of peripheral nerve conduction in diabetic neuropathy with subclinical left ventricular systolic dysfunction. Cardiovascular Diabetology, 2015, 14, 47.	2.7	24
24	Impact of overweight on left ventricular function in type 2 diabetes mellitus. Cardiovascular Diabetology, 2017, 16, 145.	2.7	24
25	Compensatory hyperinsulinemia in high-fat diet-induced obese mice is associated with enhanced insulin translation in islets. Biochemical and Biophysical Research Communications, 2015, 458, 681-686.	1.0	23
26	The PDK1-FoxO1 signaling in adipocytes controls systemic insulin sensitivity through the 5-lipoxygenaseâ€“leukotriene B ₄ axis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11674-11684.	3.3	23
27	Treatment of a case of severe insulin resistance as a result of a <scp>PIK</scp>3R1 mutation with a sodiumâ€“glucose cotransporterÂ2 inhibitor. Journal of Diabetes Investigation, 2018, 9, 1224-1227.	1.1	22
28	Relationship Between Number of Multiple Risk Factors and Coronary Artery Disease Risk With and Without Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 5084-5090.	1.8	22
29	Relation between HOMA-IR and insulin sensitivity index determined by hyperinsulinemic-euglycemic clamp analysis during treatment with a sodium-glucose cotransporter 2 inhibitor. Endocrine Journal, 2020, 67, 501-507.	0.7	22
30	Impact of left ventricular longitudinal functional mechanics on the progression of diastolic function in diabetes mellitus. International Journal of Cardiovascular Imaging, 2017, 33, 1905-1914.	0.7	20
31	Clinical characteristics of insulin resistance syndromes: A nationwide survey in Japan. Journal of Diabetes Investigation, 2020, 11, 603-616.	1.1	20
32	Cell death-inducing DNA fragmentation factor A-like effector A and fat-specific protein 27Î² coordinately control lipid droplet size in brown adipocytes. Journal of Biological Chemistry, 2017, 292, 10824-10834.	1.6	19
33	Insulin resistance and exaggerated insulin sensitivity triggered by single-gene mutations in the insulin signaling pathway. Diabetology International, 2021, 12, 62-67.	0.7	19
34	Effect of empagliflozin on cardiorenal outcomes and mortality according to body mass index: A subgroup analysis of the <scp>EMPAâ€REG OUTCOME</scp> trial with a focus on Asia. Diabetes, Obesity and Metabolism, 2021, 23, 1886-1891.	2.2	18
35	Regulation of Pancreatic Î² Cell Mass by Cross-Interaction between CCAAT Enhancer Binding Protein Î² Induced by Endoplasmic Reticulum Stress and AMP-Activated Protein Kinase Activity. PLoS ONE, 2015, 10, e0130757.	1.1	17
36	Impaired Mechanics of Left Ventriculo-Atrial Coupling in Patients With Diabetic Nephropathy. Circulation Journal, 2016, 80, 1957-1964.	0.7	17

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37	Effects of ipragliflozin on glycemic control, appetite and its related hormones: A prospective, multicenter, openâ€label study (SOARâ€KOBE Study). Journal of Diabetes Investigation, 2019, 10, 1254-1261.	1.1	17
38	Associations of Systolic Blood Pressure and Diastolic Blood Pressure With the Incidence of Coronary Artery Disease or Cerebrovascular Disease According to Glucose Status. Diabetes Care, 2021, 44, 2124-2131.	4.3	17
39	Doseâ€dependent accumulation of glucose in the intestinal wall and lumen induced by metformin as revealed by ‹sup›18‹/sup›Fâ€labelled fluorodeoxyglucose positron emission tomographyâ€‹‹scp›MRI‹/scp›. Diabetes, Obesity and Metabolism, 2021, 23, 692-699.	2.2	15
40	Early administration of dapagliflozin preserves pancreatic Î²â€cell mass through a legacy effect in a mouse model of typeÂ2 diabetes. Journal of Diabetes Investigation, 2019, 10, 577-590.	1.1	14
41	Clinical features of 65â€yearâ€old individuals in Japan diagnosed with possible sarcopenia based on the Asian Working Group for Sarcopenia 2019 criteria. Geriatrics and Gerontology International, 2021, 21, 689-696.	0.7	14
42	GCN2 regulates pancreatic Î² cell mass by sensing intracellular amino acid levels. JCI Insight, 2020, 5, .	2.3	13
43	Comparison of the relationship between multiple parameters of glycemic variability and coronary plaque vulnerability assessed by virtual histologyâ€“intravascular ultrasound. Journal of Diabetes Investigation, 2018, 9, 610-615.	1.1	12
44	Relationship between glycated hemoglobin level and duration of hypoglycemia in typeÂ2 diabetes patients treated with sulfonylureas: A multicenter crossâ€sectional study. Journal of Diabetes Investigation, 2020, 11, 417-425.	1.1	11
45	Effect of the FreeStyle Libreâ„¢ flash glucose monitoring system on glycemic control in individuals with typeÂ2 diabetes treated with basalâ€“bolus insulin therapy: An open label, prospective, multicenter trial in Japan. Journal of Diabetes Investigation, 2021, 12, 82-90.	1.1	11
46	Association of left ventricular longitudinal myocardial function with subclinical right ventricular dysfunction in type 2 diabetes mellitus. Cardiovascular Diabetology, 2021, 20, 212.	2.7	11
47	Impaired glucagon secretion in patients with fulminant type 1 diabetes mellitus. Endocrine, 2019, 63, 476-479.	1.1	10
48	Analysis of time-dependent alterations of parameters related to erythrocytes after ipragliflozin initiation. Diabetology International, 2021, 12, 197-206.	0.7	10
49	Canagliflozin ameliorates hepatic fat deposition in obese diabetic mice: Role of prostaglandin E2. Biochemical and Biophysical Research Communications, 2021, 557, 62-68.	1.0	10
50	Relationship between metformin use and vitaminÂB‹sub›12 ‹/sub›status in patients with typeÂ2 diabetes in Japan. Journal of Diabetes Investigation, 2020, 11, 917-922.	1.1	9
51	Metabolic alterations in plasma after laparoscopic sleeve gastrectomy. Journal of Diabetes Investigation, 2021, 12, 123-129.	1.1	9
52	Effect of heart rate on left ventricular longitudinal myocardial function in type 2 diabetes mellitus. Cardiovascular Diabetology, 2021, 20, 87.	2.7	9
53	Kruppelâ€like factorÂ15 regulates fuel switching between glucose and fatty acids in brown adipocytes. Journal of Diabetes Investigation, 2021, 12, 1144-1151.	1.1	8
54	Role of PDK1 in skeletal muscle hypertrophy induced by mechanical load. Scientific Reports, 2021, 11, 3447.	1.6	8

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55	Modulation of lipid mediator profile may contribute to amelioration of chronic inflammation in adipose tissue of obese mice by pioglitazone. Biochemical and Biophysical Research Communications, 2018, 505, 29-35.	1.0	7
56	SGLT2 inhibitors for genetic and acquired insulin resistance: Considerations for clinical use. Journal of Diabetes Investigation, 2020, 11, 1431-1433.	1.1	7
57	Docosahexaenoic Acid Reduces Palmitic Acid-Induced Endoplasmic Reticulum Stress in Pancreatic Î’ Cells. Kobe Journal of Medical Sciences, 2018, 64, E43-E55.	0.2	7
58	Sodiumâ€“glucose cotransporterÂ2 inhibitorâ€associated diabetic ketoacidosis in patients with typeÂ1 diabetes: Metabolic imbalance as an underlying mechanism. Journal of Diabetes Investigation, 2019, 10, 879-882.	1.1	6
59	Phenotypic differences and similarities of monozygotic twins with maturityâ€onset diabetes of the young typeÂ5. Journal of Diabetes Investigation, 2019, 10, 1112-1115.	1.1	6
60	Association of body fat mass with left ventricular longitudinal myocardial systolic function in type 2 diabetes mellitus. Journal of Cardiology, 2020, 75, 189-195.	0.8	6
61	Two related cases of type A insulin resistance with compound heterozygous mutations of the insulin receptor gene. Diabetes Research and Clinical Practice, 2009, 83, e75-e77.	1.1	5
62	Impact of daily glucose fluctuations on cardiovascular outcomes after percutaneous coronary intervention for patients with stable coronary artery disease undergoing lipidâ€lowering therapy. Journal of Diabetes Investigation, 2021, 12, 1015-1024.	1.1	5
63	Metformin action in the gutâ€insight provided by [18F]FDG PET imaging. Diabetology International, 2022, 13, 35-40.	0.7	5
64	New classification and diagnostic criteria for insulin resistance syndrome. Diabetology International, 2022, 13, 337-343.	0.7	5
65	Contribution of insulin signaling to the regulation of pancreatic beta-cell mass during the catch-up growth period in a low birth weight mouse model. Diabetology International, 2014, 5, 43-52.	0.7	4
66	A case of type A insulin resistance associated with heterozygous Asn462Ser mutation of the insulin receptor gene. Diabetology International, 2012, 3, 239-243.	0.7	3
67	Glucagon secretions are impaired in patients with fulminant typeÂ1 diabetes. Journal of Diabetes Investigation, 2019, 10, 866-867.	1.1	3
68	InÂsilico and inÂvitro analyses of the pathological relevance of the R258H mutation of hepatocyte nuclear factorÂ4Î± identified in maturityâ€onset diabetes of the young typeÂ1. Journal of Diabetes Investigation, 2019, 10, 680-684.	1.1	3
69	Fatâ€specific protein 27Î± inhibits autophagyâ€dependent lipid droplet breakdown in white adipocytes. Journal of Diabetes Investigation, 2019, 10, 1419-1429.	1.1	2
70	Relation of cardiac function to insulin resistance as evaluated by hyperinsulinemicâ€euglycemic clamp analysis in individuals with type 2 diabetes. Journal of Diabetes Investigation, 2021, , .	1.1	2
71	The gut microbial metabolite imidazole propionate inhibits metformin action. Journal of Diabetes Investigation, 2021, 12, 1319-1321.	1.1	1
72	Relation between the insulin lowering rate and changes in bone mineral density: Analysis among subtypes of type 1 diabetes mellitus. Journal of Diabetes Investigation, 2022, , .	1.1	1

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73	Association between diabetic nephropathy and left ventricular longitudinal myocardial function in type 1 diabetes mellitus patients with preserved ejection fraction. International Journal of Cardiovascular Imaging, 2022, 38, 1991-1998.	0.2	1
74	Does adiponectin mimic exercise?. Journal of Diabetes Investigation, 2010, 1, 239-241.	1.1	0
75	Red wine acts through a familiar drug target. Diabetology International, 2012, 3, 65-67.	0.7	0
76	Cover Image, Volume 23, Issue 3. Diabetes, Obesity and Metabolism, 2021, 23, .	2.2	0