Katsutaro Morino

List of Publications by Year
in descending order

83 papers	5,557 citations	136740 32 h-index	79541 73 g-index
86 all docs	86 docs citations	86 times ranked	8632 citing authors

#	Article	IF	Citations
1	Glycemic control and number of natural teeth: analysis of cross-sectional Japanese employment-based dental insurance claims and medical check-up data. Diabetology International, 2022, 13, 244-252.	0.7	8
2	Metabolic changes induced by dapagliflozin, an SGLT2 inhibitor, in Japanese patients with type 2 diabetes treated by oral anti-diabetic agents: A randomized, clinical trial. Diabetes Research and Clinical Practice, 2022, 186, 109781.	1.1	15
3	Glycaemia and body weight are regulated by sodium-glucose cotransporter 1 (SGLT1) expression via O-GlcNAcylation in the intestine. Molecular Metabolism, 2022, 59, 101458.	3.0	8
4	Differential Association of Serum n-3 Polyunsaturated Fatty Acids with Various Cerebrovascular Lesions in Japanese Men. Cerebrovascular Diseases, 2022, 51, 774-780.	0.8	0
5	Role of Oâ€linked Nâ€acetylglucosamine in the homeostasis of metabolic organs, and its potential links with diabetes and its complications. Journal of Diabetes Investigation, 2021, 12, 130-136.	1.1	10
6	Geometry of Sleeve Gastrectomy Measured by 3D CT Versus Weight Loss: Preliminary Analysis. World Journal of Surgery, 2021, 45, 235-242.	0.8	5
7	MicroRNA-494-3p inhibits formation of fast oxidative muscle fibres by targeting E1A-binding protein p300 in human-induced pluripotent stem cells. Scientific Reports, 2021, 11, 1161.	1.6	2
8	Nutrition and Periodontal Health in the Patients with Diabetes Mellitus: a Review from the Viewpoint of Endothelial Function. Current Oral Health Reports, 2021, 8, 67-74.	0.5	2
9	Liver fat accumulation assessed by computed tomography is an independent risk factor for diabetes mellitus in a population-based study: SESSA (Shiga Epidemiological Study of Subclinical) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	1.1	4
10	Impact of obesity on underreporting of energy intake in type 2 diabetic patients: Clinical Evaluation of Energy Requirements in Patients with Diabetes Mellitus (CLEVER-DM) study. Clinical Nutrition ESPEN, 2020, 39, 251-254.	0.5	5
11	Validity of the Use of a Triaxial Accelerometer and a Physical Activity Questionnaire for Estimating Total Energy Expenditure and Physical Activity Level among Elderly Patients with Type 2 Diabetes Mellitus: CLEVER-DM Study. Annals of Nutrition and Metabolism, 2020, 76, 62-72.	1.0	10
12	Efficacy of metformin on postprandial plasma triglyceride concentration by administration timing in patients with typeÂ2 diabetes mellitus: A randomized crossâ€over pilot study. Journal of Diabetes Investigation, 2019, 10, 1284-1290.	1.1	6
13	Preserving Î²-cell function is the major determinant of diabetes remission following laparoscopic sleeve gastrectomy in Japanese obese diabetic patients. Endocrine Journal, 2019, 66, 817-826.	0.7	6
14	Microbiome potentiates endurance exercise through intestinal acetate production. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E956-E966.	1.8	131
15	Ipragliflozin, a sodiumâ€“glucose cotransporter 2 inhibitor, reduces bodyweight and fat mass, but not muscle mass, in Japanese type 2 diabetes patients treated with insulin: A randomized clinical trial. Journal of Diabetes Investigation, 2019, 10, 1012-1021.	1.1	41
16	Secular changes in clinical manifestations of kidney disease among Japanese adults with typeÂ2 diabetes from 1996 to 2014. Journal of Diabetes Investigation, 2019, 10, 1032-1040.	1.1	39
17	Total energy expenditure is comparable between patients with and without diabetes mellitus: Clinical Evaluation of Energy Requirements in Patients with Diabetes Mellitus (CLEVER-DM) Study. BMJ Open Diabetes Research and Care, 2019, 7, e000648.	1.2	19
18	Lack of O-GlcNAcylation enhances exercise-dependent glucose utilization potentially through AMP-activated protein kinase activation in skeletal muscle. Biochemical and Biophysical Research Communications, 2018, 495, 2098-2104.	1.0	18

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19	Impact of obesity on annual medical expenditures and diabetes care in Japanese patients with type 2 diabetes mellitus. Journal of Diabetes Investigation, 2018, 9, 776-781.	1.1	10
20	MiR-494-3p regulates mitochondrial biogenesis and thermogenesis through PGC1-Î± signalling in beige adipocytes. Scientific Reports, 2018, 8, 15096.	1.6	71
21	Improved glucose metabolism by Eragrostis tef potentially through beige adipocyte formation and attenuating adipose tissue inflammation. PLoS ONE, 2018, 13, e0201661.	1.1	6
22	MicroRNA-494 plays a role in fiber type-specific skeletal myogenesis by targeting transcriptional coactivator p300 in human induced pluripotent stem cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR19-3.	0.0	0
23	Pivotal Role of O-GlcNAc Modification in Cold-Induced Thermogenesis by Brown Adipose Tissue Through Mitochondrial Biogenesis. Diabetes, 2017, 66, 2351-2362.	0.3	28
24	Diverse metabolic effects of O-GlcNAcylation in the pancreas but limited effects in insulin-sensitive organs in mice. Diabetologia, 2017, 60, 1761-1769.	2.9	25
25	N-3 Polyunsaturated Fatty Acids Decrease the Protein Expression of Soluble Epoxide Hydrolase via Oxidative Stress-Induced P38 Kinase in Rat Endothelial Cells. Nutrients, 2017, 9, 654.	1.7	10
26	Acute Effect of Metformin on Postprandial Hypertriglyceridemia through Delayed Gastric Emptying. International Journal of Molecular Sciences, 2017, 18, 1282.	1.8	17
27	Fiber-rich diet with brown rice improves endothelial function in type 2 diabetes mellitus: A randomized controlled trial. PLoS ONE, 2017, 12, e0179869.	1.1	52
28	Amla Enhances Mitochondrial Spare Respiratory Capacity by Increasing Mitochondrial Biogenesis and Antioxidant Systems in a Murine Skeletal Muscle Cell Line. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-11.	1.9	49
29	Mitochondrial Health in Aging and Age-Related Metabolic Disease. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	1.9	6
30	Evaluation of a Novel Glucose Area Under the Curve (AUC) Monitoring System: Comparison with the AUC by Continuous Glucose Monitoring. Diabetes and Metabolism Journal, 2016, 40, 326.	1.8	7
31	Data set for renal sinus fat volume and visceral adipose tissue volume on computed tomography. Data in Brief, 2016, 7, 1658-1664.	0.5	3
32	Association between symptoms of bilateral numbness and/or paresthesia in the feet and postural instability in Japanese patients with diabetes. Diabetology International, 2016, 7, 69-76.	0.7	7
33	Association between attentional function and postural instability in Japanese older patients with diabetes mellitus. Diabetology International, 2016, 7, 83-88.	0.7	1
34	Renal sinus fat volume on computed tomography in middle-aged patients at risk for cardiovascular disease and its association with coronary artery calcification. Atherosclerosis, 2016, 246, 374-381.	0.4	12
35	Mitochondrial ferritin affects mitochondria by stabilizing HIF-1Î± in retinal pigment epithelium: implications for the pathophysiology of age-related macular degeneration. Neurobiology of Aging, 2016, 47, 168-179.	1.5	26
36	Smoking status is associated with mild cognitive impairment assessed with the mini-mental state examination in Japanese diabetic patients. Diabetology International, 2016, 7, 361-367.	0.7	7

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37	A case of local delayed-type allergy to zinc-containing insulin as a cause of diabetic ketoacidosis in a patient with type 1 diabetes mellitus undergoing continuous subcutaneous insulin infusion. Diabetology International, 2016, 7, 447-450.	0.7	3
38	Duality of n-3 Polyunsaturated Fatty Acids on Mcp-1 Expression in Vascular Smooth Muscle: A Potential Role of 4-Hydroxy Hexenal. Nutrients, 2015, 7, 8112-8126.	1.7	7
39	Predictors for Mild and Severe Hypoglycemia in Insulin-Treated Japanese Diabetic Patients. PLoS ONE, 2015, 10, e0130584.	1.1	8
40	Use of MRI signal intensity of extraocular muscles to evaluate methylprednisolone pulse therapy in thyroid-associated ophthalmopathy. Japanese Journal of Ophthalmology, 2015, 59, 124-130.	0.9	28
41	Effect of aging on muscle mitochondrial substrate utilization in humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11330-11334.	3.3	72
42	MicroRNA-494 plays a role in fiber type-specific skeletal myogenesis in human induced pluripotent stem cells. Biochemical and Biophysical Research Communications, 2015, 468, 208-213.	1.0	10
43	CCDC3 is specifically upregulated in omental adipose tissue in subjects with abdominal obesity. Obesity, 2014, 22, 1070-1077.	1.5	14
44	A fish-based diet intervention improves endothelial function in postmenopausal women with type 2 diabetes mellitus: A randomized crossover trial. Metabolism: Clinical and Experimental, 2014, 63, 930-940.	1.5	43
45	4-Hydroxy hexenal derived from dietary n-3 polyunsaturated fatty acids induces anti-oxidative enzyme heme oxygenase-1 in multiple organs. Biochemical and Biophysical Research Communications, 2014, 443, 991-996.	1.0	35
46	A high-fiber, low-fat diet improves periodontal disease markers in high-risk subjects: a pilot study. Nutrition Research, 2014, 34, 491-498.	1.3	59
47	Omega-3 polyunsaturated fatty acid has an anti-oxidant effect via the Nrf-2/HO-1 pathway in 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2013, 430, 225-230.	1.0	81
48	Ezetimibe prevents hepatic steatosis induced by a high-fat but not a high-fructose diet. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E293-E304.	1.8	30
49	Octreotide improves early dumping syndrome potentially through incretins: a case report. Endocrine Journal, 2013, 60, 847-853.	0.7	13
50	Enhanced Intestinal Motility during Oral Glucose Tolerance Test after Laparoscopic Sleeve Gastrectomy: Preliminary Results Using Cine Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e65739.	1.1	30
51	4-Hydroxy Hexenal Derived from Docosahexaenoic Acid Protects Endothelial Cells via Nrf2 Activation. PLoS ONE, 2013, 8, e69415.	1.1	69
52	Regulation of Mitochondrial Biogenesis by Lipoprotein Lipase in Muscle of Insulin-Resistant Offspring of Parents With Type 2 Diabetes. Diabetes, 2012, 61, 877-887.	0.3	63
53	Autophagy regulates inflammation in adipocytes. Biochemical and Biophysical Research Communications, 2012, 417, 352-357.	1.0	91
54	MicroRNA-494 regulates mitochondrial biogenesis in skeletal muscle through mitochondrial transcription factor A and Forkhead box j3. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1419-E1427.	1.8	119

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55	Reversal of muscle insulin resistance by weight reduction in young, lean, insulin-resistant offspring of parents with type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8236-8240.	3.3	74
56	Association between serum soluble TNFÎ± receptors and renal dysfunction in type 2 diabetic patients without proteinuria. Diabetes Research and Clinical Practice, 2011, 92, 174-180.	1.1	25
57	Postprandial activation of protein kinase CÃ¯Â¿Â½ regulates the expression of adipocytokines via the transcription factor AP-2Î². International Journal of Molecular Medicine, 2011, 28, 95-100.	1.8	6
58	Relation of the Expression of Transcriptional Factor TFAP2B to That of Adipokines in Subcutaneous and Omental Adipose Tissues. Obesity, 2010, 18, 1277-1282.	1.5	14
59	Transcription factor AP-2Î² inhibits expression and secretion of leptin, an insulin-sensitizing hormone, in 3T3-L1 adipocytes. International Journal of Obesity, 2010, 34, 670-678.	1.6	15
60	Effects of a Fish-Based Diet on the Serum Adiponectin Concentration in Young, Non-Obese, Healthy Japanese Subjects. Journal of Atherosclerosis and Thrombosis, 2010, 17, 628-637.	0.9	39
61	Transcription factor AP-2Î²: A negative regulator of IRS-1 gene expression. Biochemical and Biophysical Research Communications, 2010, 392, 526-532.	1.0	24
62	Low concentration of 4-hydroxy hexenal increases heme oxygenase-1 expression through activation of Nrf2 and antioxidative activity in vascular endothelial cells. Biochemical and Biophysical Research Communications, 2010, 402, 99-104.	1.0	65
63	Transcription Factor Activating Protein-2Î²: A Positive Regulator of Monocyte Chemoattractant Protein-1 Gene Expression. Endocrinology, 2009, 150, 1654-1661.	1.4	14
64	Soy phosphatidylcholine inhibited TLR4-mediated MCP-1 expression in vascular cells. Atherosclerosis, 2009, 205, 404-412.	0.4	45
65	SAFB1, an RBMX-binding protein, is a newly identified regulator of hepatic SREBP-1c gene. BMB Reports, 2009, 42, 232-237.	1.1	16
66	Muscle-Specific IRS-1 Serâ†'Ala Transgenic Mice Are Protected From Fat-Induced Insulin Resistance in Skeletal Muscle. Diabetes, 2008, 57, 2644-2651.	0.3	102
67	Increased hypothalamic-pituitary-adrenal axis activity and hepatic insulin resistance in low-birth-weight rats. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1451-E1458.	1.8	26
68	n-3 Fatty Acids Preserve Insulin Sensitivity In Vivo in a Peroxisome Proliferator-Activated Receptor-Â-Dependent Manner. Diabetes, 2007, 56, 1034-1041.	0.3	212
69	Aging-Associated Reductions in AMP-Activated Protein Kinase Activity and Mitochondrial Biogenesis. Cell Metabolism, 2007, 5, 151-156.	7.2	458
70	Suppression of Diacylglycerol Acyltransferase-2 (DGAT2), but Not DGAT1, with Antisense Oligonucleotides Reverses Diet-induced Hepatic Steatosis and Insulin Resistance. Journal of Biological Chemistry, 2007, 282, 22678-22688.	1.6	319
71	Molecular Mechanisms of Insulin Resistance in Humans and Their Potential Links With Mitochondrial Dysfunction. Diabetes, 2006, 55, S9-S15.	0.3	730
72	Activation of the farnesoid X receptor improves lipid metabolism in combined hyperlipidemic hamsters. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E716-E722.	1.8	84

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73	Fish Oil Regulates Adiponectin Secretion by a Peroxisome Proliferator-Activated Receptor-Â-Dependent Mechanism in Mice. Diabetes, 2006, 55, 924-928.	0.3	254
74	Prevention of hepatic steatosis and hepatic insulin resistance in mitochondrial acyl-CoA:glycerol-sn-3-phosphate acyltransferase 1 knockout mice. Cell Metabolism, 2005, 2, 55-65.	7.2	235
75	Reduced mitochondrial density and increased IRS-1 serine phosphorylation in muscle of insulin-resistant offspring of type 2 diabetic parents. Journal of Clinical Investigation, 2005, 115, 3587-3593.	3.9	689
76	Disruption of neural signal transducer and activator of transcription 3 causes obesity, diabetes, infertility, and thermal dysregulation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4661-4666.	3.3	341
77	A simple and sensitive method for glutamine:fructose-6-phosphate amidotransferase assay. Journal of Proteomics, 2004, 59, 201-208.	2.4	12
78	Protein-tyrosine Phosphatase 1B as New Activator for Hepatic Lipogenesis via Sterol Regulatory Element-binding Protein-1 Gene Expression. Journal of Biological Chemistry, 2003, 278, 43095-43101.	1.6	70
79	Membrane Localization of 3-Phosphoinositide-dependent Protein Kinase-1 Stimulates Activities of Akt and Atypical Protein Kinase C but Does Not Stimulate Glucose Transport and Glycogen Synthesis in 3T3-L1 Adipocytes. Journal of Biological Chemistry, 2002, 277, 38863-38869.	1.6	31
80	Protein-tyrosine Phosphatase-1B Negatively Regulates Insulin Signaling in L6 Myocytes and Fao Hepatoma Cells. Journal of Biological Chemistry, 2001, 276, 10207-10211.	1.6	126
81	Insulin-Induced c-JunN-Terminal Kinase Activation Is Negatively Regulated by Protein Kinase C Î´1. Endocrinology, 2001, 142, 2669-2676.	1.4	10
82	Expression of a Dominant Negative SHP-2 in Transgenic Mice Induces Insulin Resistance. Journal of Biological Chemistry, 1999, 274, 30236-30243.	1.6	62
83	A new antidiabetic agent (JTT-501) rapidly stimulates glucose disposal rates by enhancing insulin signal transduction in skeletal muscle. Diabetologia, 1999, 42, 151-159.	2.9	13