Zhenqi Liu

List of Publications by Year
in descending order

94 papers	4,498 citations	101496 36 h-index	110317 64 g-index
95 all docs	95 docs citations	95 times ranked	8101 citing authors

#	Article	IF	Citations
1	Fulminant type 1 diabetes after COVID-19 vaccination. Diabetes and Metabolism, 2022, 48, 101324.	1.4	30
2	Metformin prevents endothelial oxidative stress and microvascular insulin resistance during obesity development in male rats. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E293-E306.	1.8	12
3	Metformin improves skeletal muscle microvascular insulin resistance in metabolic syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E173-E180.	1.8	9
4	Cellular Basis of Insulin Resistance: A Tale of the Microvasculature. , 2021, , 315-331.		0
5	DPP4 Activity, Hyperinsulinemia, and Atherosclerosis. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1553-1565.	1.8	20
6	Diabetes pathogenesis and management: the endothelium comes of age. Journal of Molecular Cell Biology, 2021, 13, 500-512.	1.5	21
7	Anaemia and Related Nutritional Deficiencies in Chinese Patients with Obesity, 12 Months Following Laparoscopic Sleeve Gastrectomy. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 1575-1587.	1.1	5
8	Insulin-mediated muscle microvascular perfusion and its phenotypic predictors in humans. Scientific Reports, 2021, 11, 11433.	1.6	4
9	A single bout of exercise improves vascular insulin sensitivity in adults with obesity. Obesity, 2021, 29, 1487-1496.	1.5	10
10	Past, present and future of latent autoimmune diabetes in adults. Diabetes/Metabolism Research and Reviews, 2020, 36, e3205.	1.7	32
11	Mechanistic Causes of Reduced Cardiorespiratory Fitness in Type 2 Diabetes. Journal of the Endocrine Society, 2020, 4, bvaa063.	0.1	13
12	Brain Endothelial Cells Regulate Glucagon-Like Peptide 1 Entry Into the Brain via a Receptor-Mediated Process. Frontiers in Physiology, 2020, 11, 555.	1.3	16
13	Acute psychological stress, autonomic function, and arterial stiffness among women. International Journal of Psychophysiology, 2020, 155, 219-226.	0.5	9
14	Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E311-E312.	1.8	4
15	Vasodilatory Actions of Glucagon-Like Peptide 1 Are Preserved in Skeletal and Cardiac Muscle Microvasculature but Not in Conduit Artery in Obese Humans With Vascular Insulin Resistance. Diabetes Care, 2020, 43, 634-642.	4.3	30
16	<scp>GLP</scp>â€1 and insulin regulation of skeletal and cardiac muscle microvascular perfusion in type 2 diabetes. Journal of Diabetes, 2020, 12, 488-498.	0.8	17
17	Inhibiting myeloperoxidase prevents onset and reverses established high-fat diet-induced microvascular insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E1063-E1069.	1.8	9
18	Improvements in humoral immune function and glucolipid metabolismÂafter laparoscopic sleeve gastrectomy in patients withÂobesity. Surgery for Obesity and Related Diseases, 2019, 15, 1455-1463.	1.0	16

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19	Muscle Insulin Resistance and the Inflamed Microvasculature: Fire from Within. International Journal of Molecular Sciences, 2019, 20, 562.	1.8	27
20	A rare hereditary and metastatic paraganglioma involved in both spermatic cord and testis. Endocrine, 2019, 65, 217-218.	1.1	3
21	Identification of a distinct phenotype of elderly latent autoimmune diabetes in adults: LADA China Study 8. Diabetes/Metabolism Research and Reviews, 2019, 35, e3068.	1.7	19
22	Tetraspanin 7 autoantibodies predict progressive decline of beta cell function in individuals with LADA. Diabetologia, 2019, 62, 399-407.	2.9	19
23	Identification of autoimmune type 1 diabetes and multiple organâ€specific autoantibodies in adultâ€onset nonâ€insulinâ€requiring diabetes in China: A populationâ€based multicentre nationwide survey. Diabetes, Obesity and Metabolism, 2019, 21, 893-902.	2.2	24
24	Drug Development Strategy for Type 2 Diabetes: Targeting Positive Energy Balances. Current Drug Targets, 2019, 20, 879-890.	1.0	3
25	GLP-1 and Insulin Recruit Muscle Microvasculature and Dilate Conduit Artery Individually But Not Additively in Healthy Humans. Journal of the Endocrine Society, 2018, 2, 190-206.	0.1	15
26	Direct Activation of Angiotensin II Type 2 Receptors Enhances Muscle Microvascular Perfusion, Oxygenation, and Insulin Delivery in Male Rats. Endocrinology, 2018, 159, 685-695.	1.4	14
27	Mitochondrial glycerol 3â€phosphate dehydrogenase promotes skeletal muscle regeneration. EMBO Molecular Medicine, 2018, 10, .	3.3	24
28	More than an Anti-diabetic Bariatric Surgery, Metabolic Surgery Alleviates Systemic and Local Inflammation in Obesity. Obesity Surgery, 2018, 28, 3658-3668.	1.1	29
29	Activation of Sirtuin 1 Attenuates High Glucose-Induced Neuronal Apoptosis by Deacetylating p53. Frontiers in Endocrinology, 2018, 9, 274.	1.5	47
30	Long-term high-fat diet induces hippocampal microvascular insulin resistance and cognitive dysfunction. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E89-E97.	1.8	52
31	Global and Regional Effects of Bladder Cancer Risk Associated with Pioglitazone Therapy in Patients with Diabetes. Scientific Reports, 2017, 7, 15804.	1.6	13
32	Corticomedullary mixed tumour resembling a small adrenal gland-involvement of cancer stem cells: case report. BMC Endocrine Disorders, 2017, 17, 9.	0.9	6
33	Diabetic Microvascular Disease: An Endocrine Society Scientific Statement. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 4343-4410.	1.8	323
34	Gestational Primary Hyperparathyroidism Due to Ectopic Parathyroid Adenoma: Case Report and Literature Review. Journal of the Endocrine Society, 2017, 1, 1150-1155.	0.1	12
35	Liraglutide prevents microvascular insulin resistance and preserves muscle capillary density in high-fat diet-fed rats. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E640-E648.	1.8	33
36	Exercise resistance across the prediabetes phenotypes: Impact on insulin sensitivity and substrate metabolism. Reviews in Endocrine and Metabolic Disorders, 2016, 17, 81-90.	2.6	25

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37	Inflammation-induced microvascular insulin resistance is an early event in diet-induced obesity. Clinical Science, 2015, 129, 1025-1036.	1.8	46
38	Globular adiponectin ameliorates metabolic insulin resistance via AMPKâ€mediated restoration of microvascular insulin responses. Journal of Physiology, 2015, 593, 4067-4079.	1.3	33
39	Variation in Type 2 Diabetes-Related Phenotypes among Apolipoprotein E-Deficient Mouse Strains. PLoS ONE, 2015, 10, e0120935.	1.1	20
40	Vascular function, insulin action, and exercise: an intricate interplay. Trends in Endocrinology and Metabolism, 2015, 26, 297-304.	3.1	49
41	The Effect of Exercise Intensity on Endothelial Function in Physically Inactive Lean and Obese Adults. PLoS ONE, 2014, 9, e85450.	1.1	36
42	Tetramethylpyrazine Ameliorates High Glucose-Induced Endothelial Dysfunction by Increasing Mitochondrial Biogenesis. PLoS ONE, 2014, 9, e88243.	1.1	29
43	A Small Amount of Dietary Carbohydrate Can Promote the HFD-Induced Insulin Resistance to a Maximal Level. PLoS ONE, 2014, 9, e100875.	1.1	8
44	GLP-1 at physiological concentrations recruits skeletal and cardiac muscle microvasculature in healthy humans. Clinical Science, 2014, 127, 163-170.	1.8	64
45	Glucagon-Like Peptide 1 Recruits Muscle Microvasculature and Improves Insulinâ€™s Metabolic Action in the Presence of Insulin Resistance. Diabetes, 2014, 63, 2788-2799.	0.3	57
46	Angiotensin-(1â€“7) Recruits Muscle Microvasculature and Enhances Insulinâ€™s Metabolic Action via Mas Receptor. Hypertension, 2014, 63, 1219-1227.	1.3	32
47	Exposure to excess insulin (glargine) induces type 2 diabetes mellitus in mice fed on a chow diet. Journal of Endocrinology, 2014, 221, 469-480.	1.2	19
48	Adiponectin and insulin cross talk: The microvascular connection. Trends in Cardiovascular Medicine, 2014, 24, 319-324.	2.3	22
49	Soyasaponins Can Blunt Inflammation by Inhibiting the Reactive Oxygen Species-Mediated Activation of PI3K/Akt/NF-kB Pathway. PLoS ONE, 2014, 9, e107655.	1.1	96
50	The vascular endothelium in diabetes and its potential as a therapeutic target. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 1-3.	2.6	15
51	The endothelial cell: An â€œearly responderâ€•in the development of insulin resistance. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 21-27.	2.6	68
52	Losartan increases muscle insulin delivery and rescues insulin's metabolic action during lipid infusion via microvascular recruitment. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E538-E545.	1.8	30
53	Globular Adiponectin Enhances Muscle Insulin Action via Microvascular Recruitment and Increased Insulin Delivery. Circulation Research, 2013, 112, 1263-1271.	2.0	36
54	Protein kinase A mediates glucagon-like peptide 1-induced nitric oxide production and muscle microvascular recruitment. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E222-E228.	1.8	53

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55	Ranolazine recruits muscle microvasculature and enhances insulin action in rats. Journal of Physiology, 2013, 591, 5235-5249.	1.3	39
56	Candesartan Acutely Recruits Skeletal and Cardiac Muscle Microvasculature in Healthy Humans. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1208-E1212.	1.8	10
57	Microvascular Perfusion and Intramuscular Temperature of the Calf during Cooling. Medicine and Science in Sports and Exercise, 2012, 44, 850-856.	0.2	23
58	Glucagon-Like Peptide 1 Recruits Microvasculature and Increases Glucose Use in Muscle via a Nitric Oxideâ€“Dependent Mechanism. Diabetes, 2012, 61, 888-896.	0.3	158
59	Regulation of Muscle Microcirculation in Health and Diabetes. Diabetes and Metabolism Journal, 2012, 36, 83.	1.8	10
60	Free Fatty Acids Induce Insulin Resistance in Both Cardiac and Skeletal Muscle Microvasculature in Humans. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 438-446.	1.8	73
61	Resveratrol recruits rat muscle microvasculature via a nitric oxide-dependent mechanism that is blocked by TNFÎ±. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E195-E201.	1.8	25
62	Salsalate Attenuates Free Fatty Acidâ€“Induced Microvascular and Metabolic Insulin Resistance in Humans. Diabetes Care, 2011, 34, 1634-1638.	4.3	37
63	Angiotensin II Receptors Modulate Muscle Microvascular and Metabolic Responses to Insulin In Vivo. Diabetes, 2011, 60, 2939-2946.	0.3	59
64	Insulin regulates its own delivery to skeletal muscle by feed-forward actions on the vasculature. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E252-E263.	1.8	144
65	Insulin and insulin signaling play a critical role in fat induction of insulin resistance in mouse. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E391-E401.	1.8	28
66	Hypertension Management and Microvascular Insulin Resistance in Diabetes. Current Hypertension Reports, 2010, 12, 243-251.	1.5	42
67	Angiotensin II Type 1 and Type 2 Receptors Regulate Basal Skeletal Muscle Microvascular Volume and Glucose Use. Hypertension, 2010, 55, 523-530.	1.3	75
68	Hepatic Autophagy Is Suppressed in the Presence of Insulin Resistance and Hyperinsulinemia. Journal of Biological Chemistry, 2009, 284, 31484-31492.	1.6	330
69	Prolonged Exposure to Insulin Suppresses Mitochondrial Production in Primary Hepatocytes. Journal of Biological Chemistry, 2009, 284, 14087-14095.	1.6	51
70	Insulin Is a Stronger Inducer of Insulin Resistance than Hyperglycemia in Mice with Type 1 Diabetes Mellitus (T1DM). Journal of Biological Chemistry, 2009, 284, 27090-27100.	1.6	81
71	The Trafficking/Interaction of eNOS and Caveolin-1 Induced by Insulin Modulates Endothelial Nitric Oxide Production. Molecular Endocrinology, 2009, 23, 1613-1623.	3.7	53
72	Infusing Lipid Raises Plasma Free Fatty Acids and Induces Insulin Resistance in Muscle Microvasculature. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3543-3549.	1.8	99

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73	Insulin and Insulin-Like Growth Factor-I Receptors Differentially Mediate Insulin-Stimulated Adhesion Molecule Production by Endothelial Cells. Endocrinology, 2009, 150, 3475-3482.	1.4	37
74	p38 Mitogen-Activated Protein Kinase: A Critical Node Linking Insulin Resistance and Cardiovascular Diseases in Type 2 Diabetes Mellitus. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2009, 9, 38-46.	0.6	70
75	Increased basal level of Akt-dependent insulin signaling may be responsible for the development of insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E898-E906.	1.8	102
76	Activation of p38 mitogen-activated protein kinase abolishes insulin-mediated myocardial protection against ischemia-reperfusion injury. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E183-E189.	1.8	20
77	Insulin Signaling Stimulates Insulin Transport by Bovine Aortic Endothelial Cells. Diabetes, 2008, 57, 540-547.	0.3	85
78	Growth Hormone Exerts Acute Vascular Effects Independent of Systemic or Muscle Insulin-like Growth Factor I. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1379-1385.	1.8	38
79	Activation of glycogen synthase in myocardium induced by intermittent hypoxia is much lower in fasted than in fed rats. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E469-E475.	1.8	11
80	Insulin at physiological concentrations increases microvascular perfusion in human myocardium. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1250-E1255.	1.8	42
81	p38 Mitogen-Activated Protein Kinase Mediates Palmitate-Induced Apoptosis But Not Inhibitor of Nuclear Factor-Î¹B Degradation in Human Coronary Artery Endothelial Cells. Endocrinology, 2007, 148, 1622-1628.	1.4	59
82	Tumor Necrosis Factor-Î± Induces Insulin Resistance in Endothelial Cells via a p38 Mitogen-Activated Protein Kinase-Dependent Pathway. Endocrinology, 2007, 148, 3356-3363.	1.4	113
83	The renin-angiotensin system and insulin resistance. Current Diabetes Reports, 2007, 7, 34-42.	1.7	50
84	The Regulation of Body and Skeletal Muscle Protein Metabolism by Hormones and Amino Acids. Journal of Nutrition, 2006, 136, 212S-217S.	1.3	53
85	Obesity Blunts Insulin-Mediated Microvascular Recruitment in Human Forearm Muscle. Diabetes, 2006, 55, 1436-1442.	0.3	262
86	The vascular endothelial cell mediates insulin transport into skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E323-E332.	1.8	78
87	Insulin at Physiological Concentrations Selectively Activates Insulin But Not Insulin-Like Growth Factor I (IGF-I) or Insulin/IGF-I Hybrid Receptors in Endothelial Cells. Endocrinology, 2005, 146, 4690-4696.	1.4	131
88	Glucocorticoids modulate amino acid-induced translation initiation in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E275-E281.	1.8	42
89	Unlike insulin, amino acids stimulate p70S6Kbut not GSK-3 or glycogen synthase in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E523-E528.	1.8	36
90	Adrenalectomy enhances the insulin sensitivity of muscle protein synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E102-E109.	1.8	26

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91	Amino Acids Stimulate Translation Initiation and Protein Synthesis through an Akt-Independent Pathway in Human Skeletal Muscle. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5553-5558.	1.8	70
92	Human protein metabolism: its measurement and regulation. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E1105-E1112.	1.8	87
93	Branched Chain Amino Acids Activate Messenger Ribonucleic Acid Translation Regulatory Proteins in Human Skeletal Muscle, and Glucocorticoids Blunt This Action1. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 2136-2143.	1.8	67
94	Insulin and glucose suppress hepatic glycogenolysis by distinct enzymatic mechanisms. Metabolism: Clinical and Experimental, 1993, 42, 1546-1551.	1.5	24