

Zhi-Ming Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7676981/publications.pdf>

Version: 2024-02-01

95
papers

2,696
citations

186265

28
h-index

223800

46
g-index

95
all docs

95
docs citations

95
times ranked

3621
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of TRPV1 by Dietary Capsaicin Improves Endothelium-Dependent Vasorelaxation and Prevents Hypertension. <i>Cell Metabolism</i> , 2010, 12, 130-141.	16.2	279
2	Taurine Supplementation Lowers Blood Pressure and Improves Vascular Function in Prehypertension. <i>Hypertension</i> , 2016, 67, 541-549.	2.7	142
3	Dietary Capsaicin Protects Cardiometabolic Organs from Dysfunction. <i>Nutrients</i> , 2016, 8, 174.	4.1	91
4	Inhibition of Mitochondrial Calcium Overload by SIRT3 Prevents Obesity- or Age-Related Whitening of Brown Adipose Tissue. <i>Diabetes</i> , 2020, 69, 165-180.	0.6	77
5	Sodium Intake Regulates Glucose Homeostasis through the PPAR γ /Adiponectin-Mediated SGLT2 Pathway. <i>Cell Metabolism</i> , 2016, 23, 699-711.	16.2	76
6	Mitochondria-Associated Endoplasmic Reticulum Membranes in Cardiovascular Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 604240.	3.7	69
7	Enjoyment of Spicy Flavor Enhances Central Salty-Taste Perception and Reduces Salt Intake and Blood Pressure. <i>Hypertension</i> , 2017, 70, 1291-1299.	2.7	68
8	TRP channels and their implications in metabolic diseases. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 211-223.	2.8	66
9	Alteration of gut microbiota induced by DPP-4i treatment improves glucose homeostasis. <i>EBioMedicine</i> , 2019, 44, 665-674.	6.1	66
10	Ameliorating Endothelial Mitochondrial Dysfunction Restores Coronary Function via Transient Receptor Potential Vanilloid 1 α -Mediated Protein Kinase A/Uncoupling Protein 2 Pathway. <i>Hypertension</i> , 2016, 67, 451-460.	2.7	61
11	Activation of TRPV1 attenuates high salt-induced cardiac hypertrophy through improvement of mitochondrial function. <i>British Journal of Pharmacology</i> , 2015, 172, 5548-5558.	5.4	58
12	DPP-4 Inhibitors Improve Diabetic Wound Healing via Direct and Indirect Promotion of Epithelial-Mesenchymal Transition and Reduction of Scarring. <i>Diabetes</i> , 2018, 67, 518-531.	0.6	56
13	Osteoprotegerin Promotes Liver Steatosis by Targeting the ERK α -PPAR γ -CD36 Pathway. <i>Diabetes</i> , 2019, 68, 1902-1914.	0.6	56
14	TRPV1 Activation Attenuates High-Salt Diet-Induced Cardiac Hypertrophy and Fibrosis through PPAR γ -Upregulation. <i>PPAR Research</i> , 2014, 2014, 1-12.	2.4	55
15	Activation of TRPV1 channel antagonizes diabetic nephropathy through inhibiting endoplasmic reticulum-mitochondria contact in podocytes. <i>Metabolism: Clinical and Experimental</i> , 2020, 105, 154182.	3.4	53
16	Thiazide-Like Diuretics Attenuate Agonist-Induced Vasoconstriction by Calcium Desensitization Linked to Rho Kinase. <i>Hypertension</i> , 2005, 45, 233-239.	2.7	52
17	High Glucose Enhances Transient Receptor Potential Channel Canonical Type 6 α -Dependent Calcium Influx in Human Platelets via Phosphatidylinositol 3-Kinase α -Dependent Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 746-751.	2.4	52
18	Angiotensin-(1-7) Inhibits Angiotensin II α -Induced Signal Transduction. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 40, 693-700.	1.9	50

#	ARTICLE	IF	CITATIONS
19	Mitochondrial respiratory dysfunctions of blood mononuclear cells link with cardiac disturbance in patients with early-stage heart failure. <i>Scientific Reports</i> , 2015, 5, 10229.	3.3	46
20	Transient Receptor Potential Vanilloid 1 Activation by Dietary Capsaicin Promotes Urinary Sodium Excretion by Inhibiting Epithelial Sodium Channel α Subunit-Mediated Sodium Reabsorption. <i>Hypertension</i> , 2014, 64, 397-404.	2.7	42
21	Capsaicin consumption reduces brain amyloid-beta generation and attenuates Alzheimer's disease-type pathology and cognitive deficits in APP/PS1 mice. <i>Translational Psychiatry</i> , 2020, 10, 230.	4.8	41
22	Endothelial dysfunction in cold-induced hypertensive rats. <i>American Journal of Hypertension</i> , 2002, 15, 176-180.	2.0	39
23	Salt-Induced Hepatic Inflammatory Memory Contributes to Cardiovascular Damage Through Epigenetic Modulation of SIRT3. <i>Circulation</i> , 2022, 145, 375-391.	1.6	38
24	Activation of TRPV4 by dietary apigenin antagonizes renal fibrosis in deoxycorticosterone acetate (DOCA)-salt-induced hypertension. <i>Clinical Science</i> , 2017, 131, 567-581.	4.3	36
25	JAZF1 ameliorates age and diet-associated hepatic steatosis through SREBP-1c-dependent mechanism. <i>Cell Death and Disease</i> , 2018, 9, 859.	6.3	36
26	Role of bone morphogenetic protein-9 in the regulation of glucose and lipid metabolism. <i>FASEB Journal</i> , 2019, 33, 10077-10088.	0.5	35
27	The association of metabolic syndrome components and chronic kidney disease in patients with hypertension. <i>Lipids in Health and Disease</i> , 2019, 18, 229.	3.0	35
28	Metformin-based treatment for obesity-related hypertension. <i>Journal of Hypertension</i> , 2012, 30, 1430-1439.	0.5	34
29	Enhanced Mitochondrial Transient Receptor Potential Channel, Canonical Type 3-Mediated Calcium Handling in the Vasculature From Hypertensive Rats. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	32
30	Activation of Transient Receptor Potential Melastatin Subtype 8 Attenuates Cold-Induced Hypertension Through Ameliorating Vascular Mitochondrial Dysfunction. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	31
31	Caffeine intake antagonizes salt sensitive hypertension through improvement of renal sodium handling. <i>Scientific Reports</i> , 2016, 6, 25746.	3.3	30
32	Deficiency of Mitochondrial Glycerol 3-Phosphate Dehydrogenase Contributes to Hepatic Steatosis. <i>Hepatology</i> , 2019, 70, 84-97.	7.3	30
33	2019 Chinese Hypertension League guidelines on home blood pressure monitoring. <i>Journal of Clinical Hypertension</i> , 2020, 22, 378-383.	2.0	30
34	Gastrointestinal Intervention Ameliorates High Blood Pressure Through Antagonizing Overdrive of the Sympathetic Nerve in Hypertensive Patients and Rats. <i>Journal of the American Heart Association</i> , 2014, 3, e000929.	3.7	27
35	Deficiency of PKD2L1 (TRPP3) Exacerbates Pathological Cardiac Hypertrophy by Augmenting NCX1-Mediated Mitochondrial Calcium Overload. <i>Cell Reports</i> , 2018, 24, 1639-1652.	6.4	27
36	Follistatin-like 1 as a Novel Adipomyokine Related to Insulin Resistance and Physical Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4499-e4509.	3.6	25

#	ARTICLE	IF	CITATIONS
37	Mitochondrial glycerol 3-phosphate dehydrogenase promotes skeletal muscle regeneration. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	24
38	Activation of Glucagon-Like Peptide-1 Receptor Ameliorates Cognitive Decline in Type 2 Diabetes Mellitus Through a Metabolism-Independent Pathway. <i>Journal of the American Heart Association</i> , 2021, 10, e020734.	3.7	24
39	Sodium-Glucose Cotransporter-2 Inhibitors in Patients With Heart Failure. <i>Annals of Internal Medicine</i> , 2022, 175, 851-861.	3.9	23
40	TRPC3 deficiency attenuates high salt-induced cardiac hypertrophy by alleviating cardiac mitochondrial dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 674-681.	2.1	22
41	Caloric Restriction Exacerbates Angiotensin II-Induced Abdominal Aortic Aneurysm in the Absence of p53. <i>Hypertension</i> , 2019, 73, 547-560.	2.7	19
42	CILP-2 is a novel secreted protein and associated with insulin resistance. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 1083-1094.	3.3	19
43	Circulating betatrophin is associated with insulin resistance in humans: cross-sectional and interventional studies <i>in vivo</i> and <i>in vitro</i> . <i>Oncotarget</i> , 2017, 8, 96604-96614.	1.8	19
44	Enhancement of Neural Salty Preference in Obesity. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 1987-2000.	1.6	18
45	Effects of Laparoscopic Roux-en-Y Gastric Bypass for Type 2 Diabetes Mellitus: Comparison of BMI <math>\Delta</math>30 and <math>\Delta</math>30<math>/</math>kg/m ² . <i>Obesity Surgery</i> , 2017, 27, 3040-3047.	2.1	18
46	Activation of Transient Receptor Potential Channel Vanilloid 4 by DPP-4 (Dipeptidyl Peptidase-4) Inhibitor Vildagliptin Protects Against Diabetic Endothelial Dysfunction. <i>Hypertension</i> , 2020, 75, 150-162.	2.7	18
47	Adrenal artery ablation for primary aldosteronism without apparent aldosteronoma: An efficacy and safety, proof-of-principle trial. <i>Journal of Clinical Hypertension</i> , 2020, 22, 1618-1626.	2.0	18
48	Central Sfrp5 regulates hepatic glucose flux and VLDL-triglyceride secretion. <i>Metabolism: Clinical and Experimental</i> , 2020, 103, 154029.	3.4	17
49	Effect of sodium on blood pressure, cardiac hypertrophy, and angiotensin receptor expression in rats. <i>American Journal of Hypertension</i> , 2004, 17, 21-24.	2.0	16
50	NALP3-Inflammasome-Related Gene Polymorphisms in Patients with Prehypertension and Coronary Atherosclerosis. <i>BioMed Research International</i> , 2016, 2016, 1-10.	1.9	16
51	Gut ghrelin regulates hepatic glucose production and insulin signaling via a gut-brain-liver pathway. <i>Cell Communication and Signaling</i> , 2019, 17, 8.	6.5	16
52	DOCK5 regulates energy balance and hepatic insulin sensitivity by targeting mTORC1 signaling. <i>EMBO Reports</i> , 2020, 21, e49473.	4.5	16
53	Effect of central JAZF1 on glucose production is regulated by the PI3K-Akt-AMPK pathway. <i>FASEB Journal</i> , 2020, 34, 7058-7074.	0.5	16
54	Catheter-Based Adrenal Ablation Remits Primary Aldosteronism: A Randomized Medication-Controlled Trial. <i>Circulation</i> , 2021, 144, 580-582.	1.6	16

#	ARTICLE	IF	CITATIONS
55	Elevated Circulating Fetuin-B Levels Are Associated with Insulin Resistance and Reduced by GLP-1RA in Newly Diagnosed PCOS Women. <i>Mediators of Inflammation</i> , 2020, 2020, 1-12.	3.0	15
56	Asprosin induces vascular endothelial-to-mesenchymal transition in diabetic lower extremity peripheral artery disease. <i>Cardiovascular Diabetology</i> , 2022, 21, 25.	6.8	15
57	Impairment of Bitter Taste Sensor Transient Receptor Potential Channel M5-Mediated Aversion Aggravates High-Salt Intake and Hypertension. <i>Hypertension</i> , 2019, 74, 1021-1032.	2.7	14
58	Low-glucose-sensitive TRPC6 dysfunction drives hypoglycemia-induced cognitive impairment in diabetes. <i>Clinical and Translational Medicine</i> , 2020, 10, e205.	4.0	14
59	The Use of Visceral Adiposity Index to Predict Diabetes Remission in Low BMI Chinese Patients After Bariatric Surgery. <i>Obesity Surgery</i> , 2021, 31, 805-812.	2.1	14
60	Hepatic lipid accumulation induced by a high-fat diet is regulated by Nrf2 through multiple pathways. <i>FASEB Journal</i> , 2022, 36, e22280.	0.5	14
61	Metabolic hypertension: concept and practice. <i>Frontiers of Medicine</i> , 2013, 7, 201-206.	3.4	13
62	Is the newest angiotensin receptor blocker azilsartan medoxomil more efficacious in lowering blood pressure than the older ones? A systematic review and network meta-analysis. <i>Journal of Clinical Hypertension</i> , 2021, 23, 901-914.	2.0	13
63	High-sensitivity C-reactive protein predicts target organ damage in Chinese patients with metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 1612-1619.	3.4	12
64	Reducing NADPH Synthesis Counteracts Diabetic Nephropathy through Restoration of AMPK Activity in Type 1 Diabetic Rats. <i>Cell Reports</i> , 2020, 32, 108207.	6.4	12
65	Recurrent moderate hypoglycemia accelerates the progression of Alzheimer's disease through impairment of the TRPC6/GLUT3 pathway. <i>JCI Insight</i> , 2022, 7, .	5.0	12
66	Stimulation of Intestinal Cl ⁻ Secretion Through CFTR by Caffeine Intake in Salt-Sensitive Hypertensive Rats. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 439-448.	2.0	11
67	The role of adipose TRP channels in the pathogenesis of obesity. <i>Journal of Cellular Physiology</i> , 2019, 234, 12483-12497.	4.1	11
68	Dedicator of Cytokinesis 5 Regulates Keratinocyte Function and Promotes Diabetic Wound Healing. <i>Diabetes</i> , 2021, 70, 1170-1184.	0.6	11
69	High-salt intake increases TRPC3 expression and enhances TRPC3-mediated calcium influx and systolic blood pressure in hypertensive patients. <i>Hypertension Research</i> , 2020, 43, 679-687.	2.7	10
70	Activation of the bitter taste sensor TRPM5 prevents high salt-induced cardiovascular dysfunction. <i>Science China Life Sciences</i> , 2020, 63, 1665-1677.	4.9	10
71	Lack of TRPV1 aggravates obesity-associated hypertension through the disturbance of mitochondrial Ca ²⁺ homeostasis in brown adipose tissue. <i>Hypertension Research</i> , 2022, 45, 789-801.	2.7	10
72	Associations of urinary sodium and sodium to potassium ratio with hypertension prevalence and the risk of cardiovascular events in patients with prehypertension. <i>Journal of Clinical Hypertension</i> , 2017, 19, 1231-1239.	2.0	9

#	ARTICLE	IF	CITATIONS
73	High Circulating Alarin Levels Are Associated with Presence of Metabolic Syndrome. Cellular Physiology and Biochemistry, 2018, 51, 2041-2051.	1.6	9
74	C1q/TNF-Related Protein5 (CTRP5) as a Biomarker to Predict Metabolic Syndrome and Each of Its Components. International Journal of Endocrinology, 2018, 2018, 1-8.	1.5	9
75	Non-insulin determinant pathways maintain glucose homeostasis upon metabolic surgery. Cell Discovery, 2018, 4, 58.	6.7	8
76	Differentially expressed genes in hypertensive rats developing cerebral ischemia. Life Sciences, 2004, 74, 1899-1909.	4.3	7
77	Gastrointestinal Tract: a Promising Target for the Management of Hypertension. Current Hypertension Reports, 2017, 19, 31.	3.5	7
78	GATA4-mediated cardiac hypertrophy induced by d-myo-inositol 1,4,5-tris-phosphate. Biochemical and Biophysical Research Communications, 2005, 338, 1236-1240.	2.1	6
79	Transient Receptor Potential Vanilloid Type-1 Channel in Cardiometabolic Protection. Journal of the Korean Society of Hypertension, 2011, 17, 37.	0.2	6
80	The role of transient receptor potential channels in hypertension and metabolic vascular damage. Experimental Physiology, 2016, 101, 1338-1344.	2.0	6
81	Statin therapy improved long-term prognosis in patients with major non-cardiac vascular surgeries: a systematic review and meta-analysis. Vascular Pharmacology, 2018, 109, 1-16.	2.1	6
82	Effect of Sodium on Vasoconstriction and Angiotensin II Type 1 Receptor mRNA Expression in Cold-induced Hypertensive Rats. Clinical and Experimental Hypertension, 2004, 26, 475-483.	1.3	5
83	Impact of metabolic surgery on 10-year cardiovascular disease risk in Chinese individuals with type 2 diabetes. Surgery for Obesity and Related Diseases, 2021, 17, 498-507.	1.2	5
84	CTRP7 Is a Biomarker Related to Insulin Resistance and Oxidative Stress: Cross-Sectional and Intervention Studies In Vivo and In Vitro. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-17.	4.0	5
85	TWIST1 induces phenotypic switching of vascular smooth muscle cells by downregulating p68 and microRNA-143/145. FEBS Open Bio, 2021, 11, 932-943.	2.3	4
86	Effect of bariatric surgery versus medical therapy on long-term cardiovascular risk in low BMI Chinese patients with type 2 diabetes: a propensity score-matched analysis. Surgery for Obesity and Related Diseases, 2022, 18, 475-483.	1.2	4
87	Adrenal Artery Ablation for the Treatment of Hypercortisolism Based on Adrenal Venous Sampling: A Potential Therapeutic Strategy. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 3519-3525.	2.4	3
88	Transient Receptor Potential Channel Canonical Type 3 Deficiency Antagonizes Myofibroblast Transdifferentiation In Vivo. BioMed Research International, 2020, 2020, 1-12.	1.9	3
89	Turning Dilatation to Constriction. Hypertension, 2018, 71, 56-58.	2.7	2
90	Detrimental Effect of C-Reactive Protein on the Cardiometabolic Cells and Its Rectifying by Metabolic Surgery in Obese Diabetic Patients. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 1349-1358.	2.4	1

#	ARTICLE	IF	CITATIONS
91	Achieving blood pressure targets and antihypertensive effects through metabolic surgery in type 2 diabetes patients with hypertension. <i>Diabetes/Metabolism Research and Reviews</i> , 2021, 37, e3422.	4.0	1
92	Short versus long biliopancreatic limb in Roux-en-Y gastric bypass surgery for treatment of type 2 diabetes mellitus. <i>Wideochirurgia I Inne Techniki Maloinwazyjne</i> , 2021, 16, 129-138.	0.7	1
93	Beyond Thermal Sensation. <i>Cardiology Discovery</i> , 2022, Publish Ahead of Print, .	0.5	1
94	TRPC5 deletion in the central amygdala antagonizes high-fat diet-induced obesity by increasing sympathetic innervation. <i>International Journal of Obesity</i> , 2022, 46, 1544-1555.	3.4	1
95	Characterization of postprandial blood pressure and pulse pressure in essential hypertension and type 2 diabetes mellitus. <i>American Journal of Hypertension</i> , 2002, 15, A187.	2.0	0