Zhao V Wang

List of Publications by Year
in descending order

73 papers	10,032 citations	76326 40 h-index	79698 73 g-index
74 all docs	74 docs citations	74 times ranked	16465 citing authors

#	Article	IF	Citations
1	Metabolic Dysregulation and Adipose Tissue Fibrosis: Role of Collagen VI. Molecular and Cellular Biology, 2009, 29, 1575-1591.	2.3	862
2	Receptor-mediated activation of ceramidase activity initiates the pleiotropic actions of adiponectin. Nature Medicine, 2011, 17, 55-63.	30.7	751
3	Hypoxia-Inducible Factor 1Î± Induces Fibrosis and Insulin Resistance in White Adipose Tissue. Molecular and Cellular Biology, 2009, 29, 4467-4483.	2.3	720
4	Adipocyte Inflammation Is Essential for Healthy Adipose Tissue Expansion and Remodeling. Cell Metabolism, 2014, 20, 103-118.	16.2	525
5	Nitrosative stress drives heart failure with preserved ejection fraction. Nature, 2019, 568, 351-356.	27.8	492
6	Endoplasmic Reticulum and the Unfolded Protein Response. International Review of Cell and Molecular Biology, 2013, 301, 215-290.	3.2	440
7	Adiponectin, the past two decades. Journal of Molecular Cell Biology, 2016, 8, 93-100.	3.3	410
8	Histone deacetylase (HDAC) inhibitors attenuate cardiac hypertrophy by suppressing autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4123-4128.	7.1	360
9	Dichotomous effects of VEGF-A on adipose tissue dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5874-5879.	7.1	337
10	Spliced X-Box Binding Protein 1 Couples the Unfolded Protein Response to Hexosamine Biosynthetic Pathway. Cell, 2014, 156, 1179-1192.	28.9	317
11	Doxorubicin Blocks Cardiomyocyte Autophagic Flux by Inhibiting Lysosome Acidification. Circulation, 2016, 133, 1668-1687.	1.6	316
12	Histone Deacetylase Inhibition Blunts Ischemia/Reperfusion Injury by Inducing Cardiomyocyte Autophagy. Circulation, 2014, 129, 1139-1151.	1.6	291
13	Secretion of the Adipocyte-Specific Secretory Protein Adiponectin Critically Depends on Thiol-Mediated Protein Retention. Molecular and Cellular Biology, 2007, 27, 3716-3731.	2.3	275
14	Metabolic stressâ€“induced activation of FoxO1 triggers diabetic cardiomyopathy in mice. Journal of Clinical Investigation, 2012, 122, 1109-1118.	8.2	274
15	Adiponectin, Cardiovascular Function, and Hypertension. Hypertension, 2008, 51, 8-14.	2.7	219
16	Making insulin-deficient type 1 diabetic rodents thrive without insulin. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14070-14075.	7.1	205
17	The sexually dimorphic role of adipose and adipocyte estrogen receptors in modulating adipose tissue expansion, inflammation, and fibrosis. Molecular Metabolism, 2013, 2, 227-242.	6.5	202
18	Glucose Metabolism in Cardiac Hypertrophy and Heart Failure. Journal of the American Heart Association, 2019, 8, e012673.	3.7	180

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19	Systemic Fate of the Adipocyte-Derived Factor Adiponectin. Diabetes, 2009, 58, 1961-1970.	0.6	172
20	New Autophagy Reporter Mice Reveal Dynamics of Proximal Tubular Autophagy. Journal of the American Society of Nephrology: JASN, 2014, 25, 305-315.	6.1	153
21	Adiponectin Promotes Functional Recovery after Podocyte Ablation. Journal of the American Society of Nephrology: JASN, 2013, 24, 268-282.	6.1	142
22	The Transcriptional Response of the Islet to Pregnancy in Mice. Molecular Endocrinology, 2009, 23, 1702-1712.	3.7	138
23	Identification and Characterization of a Promoter Cassette Conferring Adipocyte-Specific Gene Expression. Endocrinology, 2010, 151, 2933-2939.	2.8	132
24	Cloning, Expression, and Characterization of a Human Inosine Triphosphate Pyrophosphatase Encoded by the ITPAGene. Journal of Biological Chemistry, 2001, 276, 18695-18701.	3.4	122
25	Diabetic cardiomyopathy: mechanisms and therapeutic targets. Drug Discovery Today Disease Mechanisms, 2010, 7, e135-e143.	0.8	116
26	The Xbp1s/GalE axis links ER stress to postprandial hepatic metabolism. Journal of Clinical Investigation, 2013, 123, 455-468.	8.2	115
27	Endoplasmic Reticulum Chaperone GRP78 Protects Heart From Ischemia/Reperfusion Injury Through Akt Activation. Circulation Research, 2018, 122, 1545-1554.	4.5	113
28	Autophagy in Hypertensive Heart Disease. Journal of Biological Chemistry, 2010, 285, 8509-8514.	3.4	105
29	An adipo-biliary-uridine axis that regulates energy homeostasis. Science, 2017, 355, .	12.6	90
30	Diabetic cardiomyopathy and metabolic remodeling of the heart. Life Sciences, 2013, 92, 609-615.	4.3	70
31	Protein Quality Control and Metabolism: Bidirectional Control in the Heart. Cell Metabolism, 2015, 21, 215-226.	16.2	69
32	Inhibition of class I histone deacetylases blunts cardiac hypertrophy through TSC2-dependent mTOR repression. Science Signaling, 2016, 9, ra34.	3.6	69
33	PANIC-ATTAC: A Mouse Model for Inducible and Reversible Î²-Cell Ablation. Diabetes, 2008, 57, 2137-2148.	0.6	59
34	Chronic activation of hexosamine biosynthesis in the heart triggers pathological cardiac remodeling. Nature Communications, 2020, 11, 1771.	12.8	58
35	Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. Nature Medicine, 2016, 22, 771-779.	30.7	57
36	The unfolded protein response in ischemic heart disease. Journal of Molecular and Cellular Cardiology, 2018, 117, 19-25.	1.9	55

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37	Rgs16 and Rgs8 in embryonic endocrine pancreas and mouse models of diabetes. DMM Disease Models and Mechanisms, 2010, 3, 567-580.	2.4	48
38	DsbA-L is a versatile player in adiponectin secretion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18077-18078.	7.1	46
39	Heart Failure and Loss of Metabolic Control. Journal of Cardiovascular Pharmacology, 2014, 63, 302-313.	1.9	45
40	Elevated resistin levels induce central leptin resistance and increased atherosclerotic progression in mice. Diabetologia, 2014, 57, 1209-1218.	6.3	44
41	Lactate Dehydrogenase A Governs Cardiac Hypertrophic Growth in Response to Hemodynamic Stress. Cell Reports, 2020, 32, 108087.	6.4	43
42	Activation of liver X receptor attenuates lysophosphatidylcholineâ€induced <scp>IL</scp>â€8 expression in endothelial cells via the <scp>NF</scp>â€ºB pathway and <scp>SUMO</scp>ylation. Journal of Cellular and Molecular Medicine, 2016, 20, 2249-2258.	3.6	40
43	Spliced X-box Binding Protein 1 Stimulates Adaptive Growth Through Activation of mTOR. Circulation, 2019, 140, 566-579.	1.6	40
44	Integrated Stress Response Couples Mitochondrial Protein Translation With Oxidative Stress Control. Circulation, 2021, 144, 1500-1515.	1.6	39
45	Forkhead box O3 (FoxO3) regulates kidney tubular autophagy following urinary tract obstruction. Journal of Biological Chemistry, 2017, 292, 13774-13783.	3.4	38
46	Cardioprotection in ischaemiaâ€“reperfusion injury: novel mechanisms and clinical translation. Journal of Physiology, 2015, 593, 3773-3788.	2.9	35
47	Pharmacological inhibition of arachidonate 12-lipoxygenase ameliorates myocardial ischemia-reperfusion injury in multiple species. Cell Metabolism, 2021, 33, 2059-2075.e10.	16.2	35
48	Cardiomyocyte autophagy: metabolic profit and loss. Heart Failure Reviews, 2013, 18, 585-594.	3.9	34
49	Overexpression of Smooth Muscle Myosin Heavy Chain Leads to Activation of the Unfolded Protein Response and Autophagic Turnover of Thick Filament-associated Proteins in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2014, 289, 14075-14088.	3.4	34
50	Adipocyte Xbp1s overexpression drives uridine production and reduces obesity. Molecular Metabolism, 2018, 11, 1-17.	6.5	34
51	Diabetic Cardiomyopathy. Circulation, 2015, 131, 771-773.	1.6	31
52	Glucose-regulated protein 78 is essential for cardiac myocyte survival. Cell Death and Differentiation, 2018, 25, 2181-2194.	11.2	30
53	E4orf1 induction in adipose tissue promotes insulin-independent signaling in the adipocyte. Molecular Metabolism, 2015, 4, 653-664.	6.5	29
54	The mitochondrial dicarboxylate carrier prevents hepatic lipotoxicity by inhibiting white adipocyte lipolysis. Journal of Hepatology, 2021, 75, 387-399.	3.7	29

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55	Unfolded Protein Response as a Therapeutic Target in Cardiovascular Disease. Current Topics in Medicinal Chemistry, 2019, 19, 1902-1917.	2.1	29
56	Cloning and Characterization of a Novel Human Alcohol Dehydrogenase Gene (ADHFe1). DNA Sequence, 2002, 13, 301-306.	0.7	28
57	Dapagliflozin suppresses glucagon signaling in rodent models of diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6611-6616.	7.1	26
58	FoxO1â€“Dio2 signaling axis governs cardiomyocyte thyroid hormone metabolism and hypertrophic growth. Nature Communications, 2020, 11, 2551.	12.8	26
59	ATF4 Protects the Heart From Failure by Antagonizing Oxidative Stress. Circulation Research, 2022, 131, 91-105.	4.5	26
60	Nuclear receptor corepressor 1 represses cardiac hypertrophy. EMBO Molecular Medicine, 2019, 11, e9127.	6.9	25
61	PKM1 Exerts Critical Roles in Cardiac Remodeling Under Pressure Overload in the Heart. Circulation, 2021, 144, 712-727.	1.6	23
62	The integrated stress response in ischemic diseases. Cell Death and Differentiation, 2022, 29, 750-757.	11.2	23
63	Role of Extracellular Signal-regulated Kinase 5 in Adipocyte Signaling. Journal of Biological Chemistry, 2014, 289, 6311-6322.	3.4	19
64	NADPH-dependent GMP reductase isoenzyme of human (GMPR2). International Journal of Biochemistry and Cell Biology, 2002, 34, 1035-1050.	2.8	18
65	Temporal dynamics of cardiac hypertrophic growth in response to pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H1119-H1129.	3.2	18
66	GRP78 (Glucose-Regulated Protein of 78 kDa) Promotes Cardiomyocyte Growth Through Activation of GATA4 (GATA-Binding Protein 4). Hypertension, 2019, 73, 390-398.	2.7	18
67	Rewiring of 3D Chromatin Topology Orchestrates Transcriptional Reprogramming and the Development of Human Dilated Cardiomyopathy. Circulation, 2022, 145, 1663-1683.	1.6	15
68	Seeing is believing. Autophagy, 2014, 10, 691-693.	9.1	14
69	Autonomous interconversion between adult pancreatic Î±-cells and Î²-cells after differential metabolic challenges. Molecular Metabolism, 2016, 5, 437-448.	6.5	14
70	Diverging consequences of hexosamine biosynthesis in cardiovascular disease. Journal of Molecular and Cellular Cardiology, 2021, 153, 104-105.	1.9	8
71	Identification of metabolic pathways underlying FGF1 and CHIR99021-mediated cardioprotection. IScience, 2022, 25, 104447.	4.1	5
72	Overexpression of ST5, an activator of Ras, has no effect on Î²-cell proliferation in adult mice. Molecular Metabolism, 2018, 11, 212-217.	6.5	3

#	Article	IF	Citations
73	Response by Zhang and Wang to Letter Regarding Article, â€œIntegrated Stress Response Couples Mitochondrial Protein Translation With Oxidative Stress Controlâ€• Circulation, 2022, 145, e804-e805.	1.6	0