Zhao V Wang

List of Publications by Year
in descending order

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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	The integrated stress response in ischemic diseases. Cell Death and Differentiation, 2022, 29, 750-757.	11.2	23
2	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
3	Rewiring of 3D Chromatin Topology Orchestrates Transcriptional Reprogramming and the Development of Human Dilated Cardiomyopathy. Circulation, 2022, 145, 1663-1683.	1.6	15
4	ATF4 Protects the Heart From Failure by Antagonizing Oxidative Stress. Circulation Research, 2022, 131, 91-105.	4.5	26
5	Identification of metabolic pathways underlying FGF1 and CHIR99021-mediated cardioprotection. IScience, 2022, 25, 104447.	4.1	5
6	Diverging consequences of hexosamine biosynthesis in cardiovascular disease. Journal of Molecular and Cellular Cardiology, 2021, 153, 104-105.	1.9	8
7	PKM1 Exerts Critical Roles in Cardiac Remodeling Under Pressure Overload in the Heart. Circulation, 2021, 144, 712-727.	1.6	23
8	The mitochondrial dicarboxylate carrier prevents hepatic lipotoxicity by inhibiting white adipocyte lipolysis. Journal of Hepatology, 2021, 75, 387-399.	3.7	29
9	Pharmacological inhibition of arachidonate 12-lipoxygenase ameliorates myocardial ischemia-reperfusion injury in multiple species. Cell Metabolism, 2021, 33, 2059-2075.e10.	16.2	35
10	Integrated Stress Response Couples Mitochondrial Protein Translation With Oxidative Stress Control. Circulation, 2021, 144, 1500-1515.	1.6	39
11	Lactate Dehydrogenase A Governs Cardiac Hypertrophic Growth in Response to Hemodynamic Stress. Cell Reports, 2020, 32, 108087.	6.4	43
12	Chronic activation of hexosamine biosynthesis in the heart triggers pathological cardiac remodeling. Nature Communications, 2020, 11, 1771.	12.8	58
13	FoxO1â€"Dio2 signaling axis governs cardiomyocyte thyroid hormone metabolism and hypertrophic growth. Nature Communications, 2020, 11, 2551.	12.8	26
14	Nuclear receptor corepressor 1 represses cardiac hypertrophy. EMBO Molecular Medicine, 2019, 11, e9127.	6.9	25
15	Spliced X-box Binding Protein 1 Stimulates Adaptive Growth Through Activation of mTOR. Circulation, 2019, 140, 566-579.	1.6	40
16	Glucose Metabolism in Cardiac Hypertrophy and Heart Failure. Journal of the American Heart Association, 2019, 8, e012673.	3.7	180
17	Nitrosative stress drives heart failure with preserved ejection fraction. Nature, 2019, 568, 351-356.	27.8	492
18	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

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19	Unfolded Protein Response as a Therapeutic Target in Cardiovascular Disease. Current Topics in Medicinal Chemistry, 2019, 19, 1902-1917.	2.1	29
20	Glucose-regulated protein 78 is essential for cardiac myocyte survival. Cell Death and Differentiation, 2018, 25, 2181-2194.	11.2	30
21	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
22	Endoplasmic Reticulum Chaperone GRP78 Protects Heart From Ischemia/Reperfusion Injury Through Akt Activation. Circulation Research, 2018, 122, 1545-1554.	4.5	113
23	The unfolded protein response in ischemic heart disease. Journal of Molecular and Cellular Cardiology, 2018, 117, 19-25.	1.9	55
24	Adipocyte Xbp1s overexpression drives uridine production and reduces obesity. Molecular Metabolism, 2018, 11, 1-17.	6.5	34
25	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
26	An adipo-biliary-uridine axis that regulates energy homeostasis. Science, 2017, 355, .	12.6	90
27	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
28	Forkhead box O3 (FoxO3) regulates kidney tubular autophagy following urinary tract obstruction. Journal of Biological Chemistry, 2017, 292, 13774-13783.	3.4	38
29	Activation of liver X receptor attenuates lysophosphatidylcholineâ€induced <scp>IL</scp>â€8 expression in endothelial cells <i>via</i> the <scp>NF</scp>â€ÎºB pathway and <scp>SUMO</scp>ylation. Journal of Cellular and Molecular Medicine, 2016, 20, 2249-2258.	3.6	40
30	Inhibition of class I histone deacetylases blunts cardiac hypertrophy through TSC2-dependent mTOR repression. Science Signaling, 2016, 9, ra34.	3.6	69
31	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
32	Autonomous interconversion between adult pancreatic Î±-cells and Î²-cells after differential metabolic challenges. Molecular Metabolism, 2016, 5, 437-448.	6.5	14
33	Adiponectin, the past two decades. Journal of Molecular Cell Biology, 2016, 8, 93-100.	3.3	410
34	Doxorubicin Blocks Cardiomyocyte Autophagic Flux by Inhibiting Lysosome Acidification. Circulation, 2016, 133, 1668-1687.	1.6	316
35	Cardioprotection in ischaemiaâ€"reperfusion injury: novel mechanisms and clinical translation. Journal of Physiology, 2015, 593, 3773-3788.	2.9	35
36	Protein Quality Control and Metabolism: Bidirectional Control in the Heart. Cell Metabolism, 2015, 21, 215-226.	16.2	69

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37	Diabetic Cardiomyopathy. Circulation, 2015, 131, 771-773.	1.6	31
38	E4orf1 induction in adipose tissue promotes insulin-independent signaling in the adipocyte. Molecular Metabolism, 2015, 4, 653-664.	6.5	29
39	Seeing is believing. Autophagy, 2014, 10, 691-693.	9.1	14
40	Role of Extracellular Signal-regulated Kinase 5 in Adipocyte Signaling. Journal of Biological Chemistry, 2014, 289, 6311-6322.	3.4	19
41	Heart Failure and Loss of Metabolic Control. Journal of Cardiovascular Pharmacology, 2014, 63, 302-313.	1.9	45
42	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
43	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
44	Spliced X-Box Binding Protein 1 Couples the Unfolded Protein Response to Hexosamine Biosynthetic Pathway. Cell, 2014, 156, 1179-1192.	28.9	317
45	Histone Deacetylase Inhibition Blunts Ischemia/Reperfusion Injury by Inducing Cardiomyocyte Autophagy. Circulation, 2014, 129, 1139-1151.	1.6	291
46	Elevated resistin levels induce central leptin resistance and increased atherosclerotic progression in mice. Diabetologia, 2014, 57, 1209-1218.	6.3	44
47	Adipocyte Inflammation Is Essential for Healthy Adipose Tissue Expansion and Remodeling. Cell Metabolism, 2014, 20, 103-118.	16.2	525
48	Endoplasmic Reticulum and the Unfolded Protein Response. International Review of Cell and Molecular Biology, 2013, 301, 215-290.	3.2	440
49	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
50	Diabetic cardiomyopathy and metabolic remodeling of the heart. Life Sciences, 2013, 92, 609-615.	4.3	70
51	Cardiomyocyte autophagy: metabolic profit and loss. Heart Failure Reviews, 2013, 18, 585-594.	3.9	34
52	Adiponectin Promotes Functional Recovery after Podocyte Ablation. Journal of the American Society of Nephrology: JASN, 2013, 24, 268-282.	6.1	142
53	The Xbp1s/GalE axis links ER stress to postprandial hepatic metabolism. Journal of Clinical Investigation, 2013, 123, 455-468.	8.2	115
54	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

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55	Metabolic stressâ€“induced activation of FoxO1 triggers diabetic cardiomyopathy in mice. Journal of Clinical Investigation, 2012, 122, 1109-1118.	8.2	274
56	Receptor-mediated activation of ceramidase activity initiates the pleiotropic actions of adiponectin. Nature Medicine, 2011, 17, 55-63.	30.7	751
57	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
58	Identification and Characterization of a Promoter Cassette Conferring Adipocyte-Specific Gene Expression. Endocrinology, 2010, 151, 2933-2939.	2.8	132
59	Autophagy in Hypertensive Heart Disease. Journal of Biological Chemistry, 2010, 285, 8509-8514.	3.4	105
60	Rgs16 and Rgs8 in embryonic endocrine pancreas and mouse models of diabetes. DMM Disease Models and Mechanisms, 2010, 3, 567-580.	2.4	48
61	Diabetic cardiomyopathy: mechanisms and therapeutic targets. Drug Discovery Today Disease Mechanisms, 2010, 7, e135-e143.	0.8	116
62	Hypoxia-Inducible Factor 1Î± Induces Fibrosis and Insulin Resistance in White Adipose Tissue. Molecular and Cellular Biology, 2009, 29, 4467-4483.	2.3	720
63	Systemic Fate of the Adipocyte-Derived Factor Adiponectin. Diabetes, 2009, 58, 1961-1970.	0.6	172
64	The Transcriptional Response of the Islet to Pregnancy in Mice. Molecular Endocrinology, 2009, 23, 1702-1712.	3.7	138
65	Metabolic Dysregulation and Adipose Tissue Fibrosis: Role of Collagen VI. Molecular and Cellular Biology, 2009, 29, 1575-1591.	2.3	862
66	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
67	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
68	Adiponectin, Cardiovascular Function, and Hypertension. Hypertension, 2008, 51, 8-14.	2.7	219
69	PANIC-ATTAC: A Mouse Model for Inducible and Reversible Î²-Cell Ablation. Diabetes, 2008, 57, 2137-2148.	0.6	59
70	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
71	Cloning and Characterization of a Novel Human Alcohol Dehydrogenase Gene (ADHFe1). DNA Sequence, 2002, 13, 301-306.	0.7	28
72	NADPH-dependent GMP reductase isoenzyme of human (GMPR2). International Journal of Biochemistry and Cell Biology, 2002, 34, 1035-1050.	2.8	18

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73	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