

# Yin Cai

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,709  
citations

471371

17  
h-index

360920

35  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the Clinical Characteristics of Coronavirus Disease 2019 (COVID-19). <i>Journal of General Internal Medicine</i> , 2020, 35, 1545-1549.	1.3	963
2	Rap1 induces cytokine production in pro-inflammatory macrophages through NF $\kappa$ B signaling and is highly expressed in human atherosclerotic lesions. <i>Cell Cycle</i> , 2015, 14, 3580-3592.	1.3	66
3	Impact of peroxisome proliferator-activated receptor- $\alpha$ on diabetic cardiomyopathy. <i>Cardiovascular Diabetology</i> , 2021, 20, 2.	2.7	58
4	Understanding Diabetic Neuropathy: Focus on Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	1.9	50
5	AMPK Contributes to Cardioprotective Effects of Pterostilbene Against Myocardial Ischemia-Reperfusion Injury in Diabetic Rats by Suppressing Cardiac Oxidative Stress and Apoptosis. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 1381-1397.	1.1	47
6	miR-181c-5p Exacerbates Hypoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Targeting PTPN4. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	44
7	FOXO1 contributes to diabetic cardiomyopathy via inducing imbalanced oxidative metabolism in type 1 diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7850-7861.	1.6	42
8	Risk factors influencing the prognosis of elderly patients infected with COVID-19: a clinical retrospective study in Wuhan, China. <i>Aging</i> , 2020, 12, 12504-12516.	1.4	35
9	Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries. <i>European Journal of Pharmacology</i> , 2015, 747, 18-28.	1.7	33
10	Decoding telomere protein Rap1: Its telomeric and nontelomeric functions and potential implications in diabetic cardiomyopathy. <i>Cell Cycle</i> , 2017, 16, 1765-1773.	1.3	33
11	Cox-2 Inhibition Protects against Hypoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Akt-Dependent Enhancement of iNOS Expression. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-17.	1.9	32
12	Activation of autophagy inhibits nucleotide-binding oligomerization domain-like receptor protein 3 inflammasome activation and attenuates myocardial ischemia-reperfusion injury in diabetic rats. <i>Journal of Diabetes Investigation</i> , 2020, 11, 1126-1136.	1.1	31
13	Prostaglandin E Receptor Subtype 4 Signaling in the Heart: Role in Ischemia/Reperfusion Injury and Cardiac Hypertrophy. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-10.	1.0	29
14	Activation of prostaglandin E2-EP4 signaling reduces chemokine production in adipose tissue. <i>Journal of Lipid Research</i> , 2015, 56, 358-368.	2.0	26
15	Mice lacking prostaglandin E receptor subtype 4 manifest disrupted lipid metabolism attributable to impaired triglyceride clearance. <i>FASEB Journal</i> , 2015, 29, 4924-4936.	0.2	26
16	Inflammasome Activation-Induced Hypercoagulopathy: Impact on Cardiovascular Dysfunction Triggered in COVID-19 Patients. <i>Cells</i> , 2021, 10, 916.	1.8	23
17	Deletion of Rap1 protects against myocardial ischemia/reperfusion injury through suppressing cell apoptosis via activation of STAT3 signaling. <i>FASEB Journal</i> , 2020, 34, 4482-4496.	0.2	20
18	Deficiency of telomere-associated repressor activator protein 1 precipitates cardiac aging in mice via p53/PPAR $\alpha$ signaling. <i>Theranostics</i> , 2021, 11, 4710-4727.	4.6	18

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19	Immunosuppressive mechanisms of human bone marrow derived mesenchymal stromal cells in BALB/c host graft versus host disease murine models. <i>Experimental Hematology and Oncology</i> , 2015, 4, 13.	2.0	14
20	Prostaglandin E receptor subtype 4 regulates lipid droplet size and mitochondrial activity in murine subcutaneous white adipose tissue. <i>FASEB Journal</i> , 2017, 31, 4023-4036.	0.2	14
21	Allopurinol ameliorates liver injury in type 1 diabetic rats through activating Nrf2. <i>International Journal of Immunopathology and Pharmacology</i> , 2021, 35, 205873842110314.	1.0	12
22	The Causes and Consequences of miR-503 Dysregulation and Its Impact on Cardiovascular Disease and Cancer. <i>Frontiers in Pharmacology</i> , 2021, 12, 629611.	1.6	11
23	Deletion of Rap1 disrupts redox balance and impairs endothelium-dependent relaxations. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 115, 1-9.	0.9	10
24	Cystic fibrosis transmembrane conductance regulator-dependent bicarbonate entry controls rat cardiomyocyte ATP release via pannexin1 through mitochondrial signalling and caspase activation. <i>Acta Physiologica</i> , 2020, 230, e13495.	1.8	10
25	Dynamic Patterns of N6-Methyladenosine Profiles of Messenger RNA Correlated with the Cardiomyocyte Regenerability during the Early Heart Development in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	10
26	MiR-181c-5p Promotes Inflammatory Response during Hypoxia/Reoxygenation Injury by Downregulating Protein Tyrosine Phosphatase Nonreceptor Type 4 in H9C2 Cardiomyocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	1.9	9
27	Upregulation of FoxO1 contributes to adverse vascular remodelling in type 1 diabetic rats. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 13727-13738.	1.6	9
28	Propofol postconditioning ameliorates hypoxia/reoxygenation induced H9c2 cell apoptosis and autophagy via upregulating forkhead transcription factors under hyperglycemia. <i>Military Medical Research</i> , 2021, 8, 58.	1.9	8
29	EP4 emerges as a novel regulator of bile acid synthesis and its activation protects against hypercholesterolemia. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1029-1040.	1.2	7
30	MicroRNA-17-3p suppresses NF- $\kappa$ B-mediated endothelial inflammation by targeting NIK and IKK $\beta$ binding protein. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 2046-2057.	2.8	7
31	CXCR4/CX43 Regulate Diabetic Neuropathic Pain via Intercellular Interactions between Activated Neurons and Dysfunctional Astrocytes during Late Phase of Diabetes in Rats and the Effects of Antioxidant N-Acetyl-L-Cysteine. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	1.9	4
32	MicroRNA-503 Exacerbates Myocardial Ischemia/Reperfusion Injury via Inhibiting PI3K/Akt- and STAT3-Dependent Prosurvival Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	3
33	Caloric restriction-mimetics for the reduction of heart failure risk in aging heart: with consideration of gender-related differences. <i>Military Medical Research</i> , 2022, 9, .	1.9	3
34	MicroRNA-17-3p inhibits excessive post-hypoxic autophagy and attenuates H9C2 cardiomyocytes reoxygenation injury via PTEN-Akt-mTOR signaling. <i>FASEB Journal</i> , 2018, 32, lb595.	0.2	1
35	Activation of autophagy protects against myocardial ischemic reperfusion injury by inhibition of NLRP3 inflammasome-mediated pyroptosis and inflammatory responses in diabetic rats. <i>FASEB Journal</i> , 2019, 33, lb398.	0.2	1
36	Tribute to Paul M. Vanhoutte, MD, PhD (1940-2019). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2445-2447.	1.1	0

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37	Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries. FASEB Journal, 2012, 26, 671.2.	0.2	0
38	EP4 deficiency exacerbates left ventricular concentric remodeling and myocardial fibrosis through activation of ERK1/2 signaling in diet-induced mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-3-20.	0.0	0
39	Prostaglandin E receptor subtype 4 regulates bile acid synthesis and its activation protects against hypercholesterolemia. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-6-11.	0.0	0
40	Unexpected role of the telomere-associated protein Rap1 in protecting against mitochondrial defects and cardiac dysfunction during aging. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-32.	0.0	0
41	Pharmacologic Inhibition of FOXO1 Improves Cardiac Function by Enhancing Glucose Metabolism and Attenuating Apoptosis in Type 1 Diabetic Rats. FASEB Journal, 2018, 32, 838.2.	0.2	0
42	Rap1 exacerbates myocardial ischemia/reperfusion injury through enhancing cell apoptosis and inflammatory response. FASEB Journal, 2018, 32, 698.12.	0.2	0
43	MicroRNA-181c-5p exacerbates apoptotic cell death in H9C2 cardiomyocytes during hypoxia/reoxygenation. FASEB Journal, 2018, 32, 698.10.	0.2	0
44	Overexpression of miR-503-5p exacerbates hypoxia/reoxygenation injury in H9C2 cardiomyocytes. FASEB Journal, 2019, 33, 676.4.	0.2	0
45	Deletion of Telomere-Rap1 aggravates cardiac aging by impairing fatty acid oxidation via PPAR $\alpha$ signaling. FASEB Journal, 2019, 33, 676.1.	0.2	0
46	Repeated non-invasive limb ischemic preconditioning attenuates myocardial ischemia-reperfusion injury in diabetic rats by up-regulating hexokinase II. FASEB Journal, 2019, 33, 514.1.	0.2	0
47	MicroRNA-181c-5p enhances NF- $\kappa$ B-mediated inflammation via targeting PTPN4 in H9C2 cardiomyocytes during hypoxia/reoxygenation. FASEB Journal, 2019, 33, 513.7.	0.2	0
48	Interplay of microRNA-503 and N-acetylcysteine in regulating hypoxia-reoxygenation injury in cardiomyocyte H9C2 cells. FASEB Journal, 2020, 34, 1-1.	0.2	0
49	Role of Thioredoxin-interacting Protein in Diabetic Myocardial Ischemia-Reperfusion Injury. FASEB Journal, 2020, 34, 1-1.	0.2	0
50	Repressor Activator Protein 1 Worsens Cardiomyopathy in Diet-Induced Type 2 Diabetic Mice. FASEB Journal, 2020, 34, 1-1.	0.2	0
51	Repeated remote ischemic preconditioning enhances post-ischemic myocardial STAT5A and STAT3 but not STAT5B to confer cardioprotection in diabetic rats. FASEB Journal, 2020, 34, 1-1.	0.2	0
52	The effect of dexmedetomidine on postoperative and intensive care unit delirium: A meta-analysis of randomized controlled trials. FASEB Journal, 2020, 34, 1-1.	0.2	0
53	Rap1 exacerbates myocardial ischemia/reperfusion injury through activation of NF- $\kappa$ B signaling pathway and NLRP3 inflammasome. FASEB Journal, 2020, 34, 1-1.	0.2	0
54	Simulated remote ischemic preconditioning inhibits Smad2 and enhances post-hypoxic autophagy and survival of H9c2 cells. FASEB Journal, 2020, 34, 1-1.	0.2	0

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55	Loss of Repressor Activator Protein 1 Precipitates Cardiac Aging in Mice via p53/PPAR $\alpha$ Signaling. FASEB Journal, 2020, 34, 1-1.	0.2	0