

# Jiu-Chang Zhong

## List of Publications by Citations

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93  
papers

4,406  
citations

29  
h-index

66  
g-index

106  
ext. papers

5,480  
ext. citations

5.3  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
93	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2. <i>Circulation Research</i> , <b>2020</b> , 126, 1456-1474	15.7	1012
92	Role of the ACE2/Angiotensin 1-7 Axis of the Renin-Angiotensin System in Heart Failure. <i>Circulation Research</i> , <b>2016</b> , 118, 1313-26	15.7	478
91	Angiotensin-converting enzyme 2 suppresses pathological hypertrophy, myocardial fibrosis, and cardiac dysfunction. <i>Circulation</i> , <b>2010</b> , 122, 717-28, 18 p following 728	16.7	341
90	Human recombinant ACE2 reduces the progression of diabetic nephropathy. <i>Diabetes</i> , <b>2010</b> , 59, 529-38	0.9	234
89	Prevention of angiotensin II-mediated renal oxidative stress, inflammation, and fibrosis by angiotensin-converting enzyme 2. <i>Hypertension</i> , <b>2011</b> , 57, 314-22	8.5	183
88	Loss of angiotensin-converting enzyme 2 accelerates maladaptive left ventricular remodeling in response to myocardial infarction. <i>Circulation: Heart Failure</i> , <b>2009</b> , 2, 446-55	7.6	173
87	miR-17-3p Contributes to Exercise-Induced Cardiac Growth and Protects against Myocardial Ischemia-Reperfusion Injury. <i>Theranostics</i> , <b>2017</b> , 7, 664-676	12.1	129
86	Apelin modulates aortic vascular tone via endothelial nitric oxide synthase phosphorylation pathway in diabetic mice. <i>Cardiovascular Research</i> , <b>2007</b> , 74, 388-95	9.9	126
85	Loss of angiotensin-converting enzyme-2 exacerbates diabetic cardiovascular complications and leads to systolic and vascular dysfunction: a critical role of the angiotensin II/AT1 receptor axis. <i>Circulation Research</i> , <b>2012</b> , 110, 1322-35	15.7	125
84	Upregulation of angiotensin-converting enzyme 2 by all-trans retinoic acid in spontaneously hypertensive rats. <i>Hypertension</i> , <b>2004</b> , 44, 907-12	8.5	102
83	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. <i>Microbiome</i> , <b>2018</b> , 6, 66	16.6	100
82	Crucial Role of miR-433 in Regulating Cardiac Fibrosis. <i>Theranostics</i> , <b>2016</b> , 6, 2068-2083	12.1	100
81	Telmisartan attenuates aortic hypertrophy in hypertensive rats by the modulation of ACE2 and profilin-1 expression. <i>Regulatory Peptides</i> , <b>2011</b> , 166, 90-7		88
80	Cardioprotective effects mediated by angiotensin II type 1 receptor blockade and enhancing angiotensin 1-7 in experimental heart failure in angiotensin-converting enzyme 2-null mice. <i>Hypertension</i> , <b>2012</b> , 59, 1195-203	8.5	81
79	Angiotensin-converting enzyme 2 is a critical determinant of angiotensin II-induced loss of vascular smooth muscle cells and adverse vascular remodeling. <i>Hypertension</i> , <b>2014</b> , 64, 157-64	8.5	70
78	Inhibition of miR-155 Protects Against LPS-induced Cardiac Dysfunction and Apoptosis in Mice. <i>Molecular Therapy - Nucleic Acids</i> , <b>2016</b> , 5, e374	10.7	68
77	ACE2 deficiency enhances angiotensin II-mediated aortic profilin-1 expression, inflammation and peroxynitrite production. <i>PLoS ONE</i> , <b>2012</b> , 7, e38502	3.7	64

76	Apelin Is a Negative Regulator of Angiotensin II-Mediated Adverse Myocardial Remodeling and Dysfunction. <i>Hypertension</i> , <b>2017</b> , 70, 1165-1175	8.5	62
75	Targeting the apelin pathway as a novel therapeutic approach for cardiovascular diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 1942-1950	6.9	61
74	The ACE2/Apelin Signaling, MicroRNAs, and Hypertension. <i>International Journal of Hypertension</i> , <b>2015</b> , 2015, 896861	2.4	56
73	PINK1/Parkin-mediated mitophagy promotes apelin-13-induced vascular smooth muscle cell proliferation by AMPK and exacerbates atherosclerotic lesions. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 8668-8682	7	51
72	Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. <i>GigaScience</i> , <b>2019</b> , 8,	7.6	47
71	Angiotensin-converting enzyme 2 attenuates oxidative stress and VSMC proliferation via the JAK2/STAT3/SOCS3 and profilin-1/MAPK signaling pathways. <i>Regulatory Peptides</i> , <b>2013</b> , 185, 44-51		38
70	Gender Differences in Hypertension. <i>Journal of Cardiovascular Translational Research</i> , <b>2020</b> , 13, 47-54	3.3	38
69	The sirtuin 6 prevents angiotensin II-mediated myocardial fibrosis and injury by targeting AMPK-ACE2 signaling. <i>Oncotarget</i> , <b>2017</b> , 8, 72302-72314	3.3	35
68	Loss of angiotensin-converting enzyme 2 exacerbates myocardial injury via activation of the CTGF-fractalkine signaling pathway. <i>Circulation Journal</i> , <b>2013</b> , 77, 2997-3006	2.9	34
67	Ferritinophagy activation and sideroflexin1-dependent mitochondria iron overload is involved in apelin-13-induced cardiomyocytes hypertrophy. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 134, 445-457	7.8	33
66	The novel peptide apelin regulates intrarenal artery tone in diabetic mice. <i>Regulatory Peptides</i> , <b>2007</b> , 144, 109-14		31
65	ACE2/Ang-(1-7) signaling and vascular remodeling. <i>Science China Life Sciences</i> , <b>2014</b> , 57, 802-8	8.5	30
64	Cardiac protective effects of irbesartan via the PPAR-gamma signaling pathway in angiotensin-converting enzyme 2-deficient mice. <i>Journal of Translational Medicine</i> , <b>2013</b> , 11, 229	8.5	29
63	Dysbiotic gut microbes may contribute to hypertension by limiting vitamin D production. <i>Clinical Cardiology</i> , <b>2019</b> , 42, 710-719	3.3	28
62	Angiotensin-converting enzyme 2 ameliorates renal fibrosis by blocking the activation of mTOR/ERK signaling in apolipoprotein E-deficient mice. <i>Peptides</i> , <b>2016</b> , 79, 49-57	3.8	26
61	Association between circulating levels of ACE2-Ang-(1-7)-MAS axis and ACE2 gene polymorphisms in hypertensive patients. <i>Medicine (United States)</i> , <b>2016</b> , 95, e3876	1.8	25
60	MicroRNA-122 aggravates angiotensin II-mediated apoptosis and autophagy imbalance in rat aortic adventitial fibroblasts via the modulation of SIRT6-elabela-ACE2 signaling. <i>European Journal of Pharmacology</i> , <b>2020</b> , 883, 173374	5.3	25
59	Roles of Growth Differentiation Factor 15 in Atherosclerosis and Coronary Artery Disease. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e012826	6	24

58	Deletion of angiotensin-converting enzyme 2 exacerbates renal inflammation and injury in apolipoprotein E-deficient mice through modulation of the nephrin and TNF-alpha-TNFRSF1A signaling. <i>Journal of Translational Medicine</i> , <b>2015</b> , 13, 255	8.5	24
57	Ascending aortic adventitial remodeling and fibrosis are ameliorated with Apelin-13 in rats after TAC via suppression of the miRNA-122 and LGR4-Eatenin signaling. <i>Peptides</i> , <b>2016</b> , 86, 85-94	3.8	22
56	Roles of MicroRNA-122 in Cardiovascular Fibrosis and Related Diseases. <i>Cardiovascular Toxicology</i> , <b>2020</b> , 20, 463-473	3.4	20
55	The Elabela-APJ axis: a promising therapeutic target for heart failure. <i>Heart Failure Reviews</i> , <b>2021</b> , 26, 1249-1258	5	17
54	The interaction of transient receptor potential melastatin 7 with macrophages promotes vascular adventitial remodeling in transverse aortic constriction rats. <i>Hypertension Research</i> , <b>2014</b> , 37, 35-42	4.7	16
53	Hsa_circ_0046159 is involved in the development of chronic thromboembolic pulmonary hypertension. <i>Journal of Thrombosis and Thrombolysis</i> , <b>2020</b> , 49, 386-394	5.1	15
52	Circulating exosomal long non-coding RNAs in patients with acute myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 9388-9396	5.6	11
51	The relationship between nocturnal blood pressure and hemorrhagic stroke in Chinese hypertensive patients. <i>Journal of Clinical Hypertension</i> , <b>2014</b> , 16, 652-7	2.3	11
50	Myofibroblast-Derived Exosomes Contribute to Development of a Susceptible Substrate for Atrial Fibrillation. <i>Cardiology</i> , <b>2020</b> , 145, 324-332	1.6	11
49	Response by Gheblawi et al to Letter Regarding Article, "Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2". <i>Circulation Research</i> , <b>2020</b> , 127, e46-e47	15.7	10
48	A Lectin-EGF antibody promotes regulatory T cells and attenuates nephrotoxic nephritis via DC-SIGN on dendritic cells. <i>Journal of Translational Medicine</i> , <b>2013</b> , 11, 103	8.5	8
47	A core promoter variant of angiotensinogen gene and interindividual variation in response to angiotensin-converting enzyme inhibitors. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2014</b> , 15, 540-6	3	8
46	MiR-181c protects cardiomyocyte injury by preventing cell apoptosis through PI3K/Akt signaling pathway. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2020</b> , 10, 849-858	2.6	8
45	Circulating Connective Tissue Growth Factor Is Associated with Diastolic Dysfunction in Patients with Diastolic Heart Failure. <i>Cardiology</i> , <b>2019</b> , 143, 77-84	1.6	6
44	Increased plasma ACE2 concentration does not mean increased risk of SARS-CoV-2 infection and increased fatality rate of COVID-19. <i>Acta Pharmaceutica Sinica B</i> , <b>2020</b> , 10, 2010-2014	15.5	6
43	Correlation of left atrial wall thickness and atrial remodeling in atrial fibrillation: Study based on low-dose-ibutilide-facilitated catheter ablation. <i>Medicine (United States)</i> , <b>2019</b> , 98, e15170	1.8	5
42	hsa-miR-106b-5p participates in the development of chronic thromboembolic pulmonary hypertension via targeting matrix metalloproteinase 2. <i>Pulmonary Circulation</i> , <b>2020</b> , 10, 2045894020928300	2.7	4
41	Altered synthesis of genes associated with short-chain fatty acids in the gut of patients with atrial fibrillation. <i>BMC Genomics</i> , <b>2021</b> , 22, 634	4.5	4

40	Prognostic values of the SYNTAX score II and the erythrocyte sedimentation rate on long-term clinical outcomes in STEMI patients with multivessel disease: a retrospective cohort study. <i>BMC Cardiovascular Disorders</i> , <b>2020</b> , 20, 213	2.3	3
39	Genetic screening for monogenic hypertension in hypertensive individuals in a clinical setting. <i>Journal of Medical Genetics</i> , <b>2020</b> , 57, 571-580	5.8	3
38	Targeting the forkhead box protein P1 pathway as a novel therapeutic approach for cardiovascular diseases. <i>Heart Failure Reviews</i> , <b>2020</b> , 1	5	3
37	Manipulating angiotensin metabolism with angiotensin converting enzyme 2 (ACE2) in heart failure. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2012</b> , 9, e141-e148		3
36	Targeting the microRNA-34a as a Novel Therapeutic Strategy for Cardiovascular Diseases.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 784044	5.4	3
35	Expression Profiles of Circular RNA in Aortic Vascular Tissues of Spontaneously Hypertensive Rats.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 814402	5.4	3
34	Speckle tracking for predicting outcomes of balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension. <i>Echocardiography</i> , <b>2020</b> , 37, 841-849	1.5	3
33	OS 36-07 TREATMENT WITH APELIN-13 PREVENTS PRESSURE OVERLOAD-INDUCED AORTIC ADVENTITIAL REMODELING AND FIBROSIS IN HYPERTENSIVE RATS WITH TAC. <i>Journal of Hypertension</i> , <b>2016</b> , 34, e403-e404	1.9	3
32	Possible immune regulation mechanisms for the progression of chronic thromboembolic pulmonary hypertension. <i>Thrombosis Research</i> , <b>2021</b> , 198, 122-131	8.2	3
31	Effects of rapamycin on DC-SIGN expression and biological functions in DC. <i>Frontiers in Bioscience - Landmark</i> , <b>2014</b> , 19, 557-65	2.8	2
30	Knockdown of forkhead box protein P1 alleviates hypoxia reoxygenation injury in H9c2 cells through regulating Pik3ip1/Akt/eNOS and ROS/mPTP pathway.. <i>Bioengineered</i> , <b>2022</b> , 13, 1320-1334	5.7	2
29	The association between orthostatic blood pressure changes and subclinical target organ damage in subjects over 60 years old. <i>Journal of Geriatric Cardiology</i> , <b>2019</b> , 16, 387-394	1.7	2
28	MicroRNA-122-5p promotes renal fibrosis and injury in spontaneously hypertensive rats by targeting FOXO3.. <i>Experimental Cell Research</i> , <b>2022</b> , 113017	4.2	2
27	Long non-coding RNA MALAT1 modulates myocardial ischemia-reperfusion injury through the PI3K/Akt/eNOS pathway by sponging miRNA-133a-3p to target IGF1R expression.. <i>European Journal of Pharmacology</i> , <b>2021</b> , 916, 174719	5.3	2
26	Targeting the elabela/apelin-apelin receptor axis as a novel therapeutic approach for hypertension. <i>Chinese Medical Journal</i> , <b>2021</b> ,	2.9	2
25	TRPC5 in cardiovascular diseases. <i>Reviews in Cardiovascular Medicine</i> , <b>2021</b> , 22, 127-135	3.9	2
24	p38/JNK Is Required for the Proliferation and Phenotype Changes of Vascular Smooth Muscle Cells Induced by in Essential Hypertension. <i>International Journal of Hypertension</i> , <b>2020</b> , 2020, 3123968	2.4	1
23	MiRNA-122-5p inhibitor abolishes angiotensin II-mediated loss of autophagy and promotion of apoptosis in rat cardiofibroblasts by modulation of the apelin-AMPK-mTOR signaling.. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2022</b> , 58, 136	2.6	1

22	Examining the Development of Chronic Thromboembolic Pulmonary Hypertension at the Single-Cell Level.. <i>Hypertension</i> , <b>2021</b> , HYPERTENSIONAHA12118105	8.5	1
21	Cell landscape atlas for patients with chronic thromboembolic pulmonary hypertension after pulmonary endarterectomy constructed using single-cell RNA sequencing. <i>Aging</i> , <b>2021</b> , 13, 16485-16499 <sup>5.6</sup>	5.6	1
20	Lower Plasma Elabela Levels in Hypertensive Patients With Heart Failure Predict the Occurrence of Major Adverse Cardiac Events: A Preliminary Study. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 638468 <sup>5.4</sup>	5.4	1
19	Elabela prevents angiotensin II-induced apoptosis and inflammation in rat aortic adventitial fibroblasts via the activation of FGF21-ACE2 signaling. <i>Journal of Molecular Histology</i> , <b>2021</b> , 52, 905-918 <sup>3.3</sup>	3.3	1
18	Abnormal apelin-ACE2 and SGLT2 signaling contribute to adverse cardiorenal injury in patients with COVID-19. <i>International Journal of Cardiology</i> , <b>2021</b> , 336, 123-129	3.2	1
17	Declined ELABELA plasma levels in hypertension patients with atrial fibrillation: a case control study. <i>BMC Cardiovascular Disorders</i> , <b>2021</b> , 21, 390	2.3	1
16	Plasma levels of Elabela are associated with coronary angiographic severity in patients with acute coronary syndrome. <i>Journal of Geriatric Cardiology</i> , <b>2020</b> , 17, 674-679	1.7	0
15	Impact of Prior Digestive System Disease on In-Hospital Gastrointestinal Bleeding in Patients with Acute Myocardial Infarction. <i>Risk Management and Healthcare Policy</i> , <b>2021</b> , 14, 1233-1239	2.8	0
14	The long-term impact of a chronic total occlusion in a non-infarct-related artery on acute ST-segment elevation myocardial infarction after primary coronary intervention. <i>BMC Cardiovascular Disorders</i> , <b>2021</b> , 21, 59	2.3	0
13	MicroRNA-122-5p Aggravates Angiotensin II-Mediated Myocardial Fibrosis and Dysfunction in Hypertensive Rats by Regulating the Elabela/Apelin-APJ and ACE2-GDF15-Porimin Signaling.. <i>Journal of Cardiovascular Translational Research</i> , <b>2022</b> , 1	3.3	0
12	One-Stop Hybrid Coronary Revascularization Versus Off-Pump Coronary Artery Bypass Grafting in Patients With Multivessel Coronary Artery Disease.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 755797 <sup>5.4</sup>	5.4	0
11	Association between Gut Microbiota Dysbiosis and the CHA2DS2-VASc Score in Atrial Fibrillation Patients. <i>International Journal of Clinical Practice</i> , <b>2022</b> , 2022, 1-10	2.9	0
10	Sirtuin 7 serves as a promising therapeutic target for cardiorenal diseases.. <i>European Journal of Pharmacology</i> , <b>2022</b> , 925, 174977	5.3	0
9	GW24-e3625 Effects of apelin on the phosphodiesterase 1 expression and oxidative stress levels in mouse kidney fibroblast cells. <i>Heart</i> , <b>2013</b> , 99, A11.2-A12	5.1	
8	Role of Epicardial Adipose Tissue in Heart Failure: From Basic to Clinical Perspectives <b>2020</b> , 173-194		
7	In-hospital outcome of primary PCI for patients with acute myocardial infarction and prior coronary artery bypass grafting. <i>Journal of Thoracic Disease</i> , <b>2021</b> , 13, 1737-1745	2.6	
6	Genetic deletion of CMG2 exacerbates systemic-to-pulmonary shunt-induced pulmonary arterial hypertension. <i>FASEB Journal</i> , <b>2021</b> , 35, e21421	0.9	
5	A1156 Cardioprotective effects of Apelin-13 on aging- and angiotensin II-mediated adverse myocardial injury and dysfunction in hypertensive mice. <i>Journal of Hypertension</i> , <b>2018</b> , 36, e11	1.9	

- 4 A13137 Genetic screening for monogenic hypertension in a clinical setting among hypertensive individuals. *Journal of Hypertension*, **2018**, 36, e218 1.9
- 3 A16299 Interaction between Neutrophil to Lymphocyte Ratio and Arterial Stiffness in Hypertensive Patients. *Journal of Hypertension*, **2018**, 36, e239 1.9
- 2 A7645 Hypertension Is Mediated by the Gut K.pneumoniae. *Journal of Hypertension*, **2018**, 36, e45-e46 1.9
- 1 A12686 The sirtuin 6 attenuates myocardial injury and dysfunction by regulating ADAM17/ACE2 pathway in hypertensive rats. *Journal of Hypertension*, **2018**, 36, e70 1.9