

Jiu-Chang Zhong

List of Publications by Year in descending order

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101
papers

6,362
citations

109264

35
h-index

69214

77
g-index

106
all docs

106
docs citations

106
times ranked

9088
citing authors

#	ARTICLE	IF	CITATIONS
1	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System. <i>Circulation Research</i> , 2020, 126, 1456-1474.	2.0	1,478
2	Role of the ACE2/Angiotensin 1-7 Axis of the Renin-Angiotensin System in Heart Failure. <i>Circulation Research</i> , 2016, 118, 1313-1326.	2.0	664
3	Angiotensin-Converting Enzyme 2 Suppresses Pathological Hypertrophy, Myocardial Fibrosis, and Cardiac Dysfunction. <i>Circulation</i> , 2010, 122, 717-728.	1.6	383
4	Human Recombinant ACE2 Reduces the Progression of Diabetic Nephropathy. <i>Diabetes</i> , 2010, 59, 529-538.	0.3	264
5	Prevention of Angiotensin II-Mediated Renal Oxidative Stress, Inflammation, and Fibrosis by Angiotensin-Converting Enzyme 2. <i>Hypertension</i> , 2011, 57, 314-322.	1.3	200
6	Loss of Angiotensin-Converting Enzyme 2 Accelerates Maladaptive Left Ventricular Remodeling in Response to Myocardial Infarction. <i>Circulation: Heart Failure</i> , 2009, 2, 446-455.	1.6	194
7	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. <i>Microbiome</i> , 2018, 6, 66.	4.9	185
8	miR-17-3p Contributes to Exercise-Induced Cardiac Growth and Protects against Myocardial Ischemia-Reperfusion Injury. <i>Theranostics</i> , 2017, 7, 664-676.	4.6	174
9	Apelin modulates aortic vascular tone via endothelial nitric oxide synthase phosphorylation pathway in diabetic mice. <i>Cardiovascular Research</i> , 2007, 74, 388-395.	1.8	149
10	Loss of Angiotensin-Converting Enzyme-2 Exacerbates Diabetic Cardiovascular Complications and Leads to Systolic and Vascular Dysfunction. <i>Circulation Research</i> , 2012, 110, 1322-1335.	2.0	141
11	Crucial Role of miR-433 in Regulating Cardiac Fibrosis. <i>Theranostics</i> , 2016, 6, 2068-2083.	4.6	134
12	Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. <i>GigaScience</i> , 2019, 8, .	3.3	123
13	Gender Differences in Hypertension. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 47-54.	1.1	123
14	Upregulation of Angiotensin-Converting Enzyme 2 by All- trans Retinoic Acid in Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2004, 44, 907-912.	1.3	117
15	Telmisartan attenuates aortic hypertrophy in hypertensive rats by the modulation of ACE2 and profilin-1 expression. <i>Regulatory Peptides</i> , 2011, 166, 90-97.	1.9	99
16	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> , 2012, 59, 1195-1203.	1.3	97
17	PINK1/Parkin-mediated mitophagy promotes apelin-induced vascular smooth muscle cell proliferation by AMPK and exacerbates atherosclerotic lesions. <i>Journal of Cellular Physiology</i> , 2019, 234, 8668-8682.	2.0	94
18	Elabela alleviates ferroptosis, myocardial remodeling, fibrosis and heart dysfunction in hypertensive mice by modulating the IL-6/STAT3/GPX4 signaling. <i>Free Radical Biology and Medicine</i> , 2022, 181, 130-142.	1.3	94

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19	Apelin Is a Negative Regulator of Angiotensin II-Mediated Adverse Myocardial Remodeling and Dysfunction. <i>Hypertension</i> , 2017, 70, 1165-1175.	1.3	85
20	Inhibition of miR-155 Protects Against LPS-induced Cardiac Dysfunction and Apoptosis in Mice. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e374.	2.3	84
21	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> , 2014, 64, 157-164.	1.3	81
22	Targeting the apelin pathway as a novel therapeutic approach for cardiovascular diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1942-1950.	1.8	81
23	The ACE2/Apelin Signaling, MicroRNAs, and Hypertension. <i>International Journal of Hypertension</i> , 2015, 2015, 1-6.	0.5	79
24	ACE2 Deficiency Enhances Angiotensin II-Mediated Aortic Profilin-1 Expression, Inflammation and Peroxynitrite Production. <i>PLoS ONE</i> , 2012, 7, e38502.	1.1	73
25	Ferritinophagy activation and sideroflexin1-dependent mitochondria iron overload is involved in apelin-13-induced cardiomyocytes hypertrophy. <i>Free Radical Biology and Medicine</i> , 2019, 134, 445-457.	1.3	69
26	Roles of Growth Differentiation Factor 15 in Atherosclerosis and Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2019, 8, e012826.	1.6	57
27	Roles of MicroRNA-122 in Cardiovascular Fibrosis and Related Diseases. <i>Cardiovascular Toxicology</i> , 2020, 20, 463-473.	1.1	53
28	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> , 2013, 185, 44-51.	1.9	50
29	The sirtuin 6 prevents angiotensin II-mediated myocardial fibrosis and injury by targeting AMPK-ACE2 signaling. <i>Oncotarget</i> , 2017, 8, 72302-72314.	0.8	48
30	Dysbiotic gut microbes may contribute to hypertension by limiting vitamin D production. <i>Clinical Cardiology</i> , 2019, 42, 710-719.	0.7	48
31	ACE2/Ang-(1-7) signaling and vascular remodeling. <i>Science China Life Sciences</i> , 2014, 57, 802-808.	2.3	44
32	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> , 2020, 883, 173374.	1.7	43
33	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Myocardial Injury via Activation of the CTGF-Fractalkine Signaling Pathway. <i>Circulation Journal</i> , 2013, 77, 2997-3006.	0.7	40
34	The Elabela-APJ axis: a promising therapeutic target for heart failure. <i>Heart Failure Reviews</i> , 2021, 26, 1249-1258.	1.7	40
35	Association between circulating levels of ACE2-Ang-(1-7)-MAS axis and ACE2 gene polymorphisms in hypertensive patients. <i>Medicine (United States)</i> , 2016, 95, e3876.	0.4	39
36	Angiotensin-converting enzyme 2 ameliorates renal fibrosis by blocking the activation of mTOR/ERK signaling in apolipoprotein E-deficient mice. <i>Peptides</i> , 2016, 79, 49-57.	1.2	36

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37	Ascending aortic adventitial remodeling and fibrosis are ameliorated with Apelin-13 in rats after TAC via suppression of the miRNA-122 and LGR4- β -catenin signaling. <i>Peptides</i> , 2016, 86, 85-94.	1.2	34
38	The novel peptide apelin regulates intrarenal artery tone in diabetic mice. <i>Regulatory Peptides</i> , 2007, 144, 109-114.	1.9	33
39	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> , 2015, 13, 255.	1.8	33
40	Cardiac protective effects of irbesartan via the PPAR-gamma signaling pathway in angiotensin-converting enzyme 2-deficient mice. <i>Journal of Translational Medicine</i> , 2013, 11, 229.	1.8	32
41	Circulating exosomal long non-coding RNAs in patients with acute myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 9388-9396.	1.6	31
42	Targeting the microRNA-34a as a Novel Therapeutic Strategy for Cardiovascular Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 784044.	1.1	30
43	Altered synthesis of genes associated with short-chain fatty acids in the gut of patients with atrial fibrillation. <i>BMC Genomics</i> , 2021, 22, 634.	1.2	23
44	Hsa_circ_0046159 is involved in the development of chronic thromboembolic pulmonary hypertension. <i>Journal of Thrombosis and Thrombolysis</i> , 2020, 49, 386-394.	1.0	21
45	Myofibroblast-Derived Exosomes Contribute to Development of a Susceptible Substrate for Atrial Fibrillation. <i>Cardiology</i> , 2020, 145, 324-332.	0.6	21
46	The interaction of transient receptor potential melastatin 7 with macrophages promotes vascular adventitial remodeling in transverse aortic constriction rats. <i>Hypertension Research</i> , 2014, 37, 35-42.	1.5	18
47	MiR-181c protects cardiomyocyte injury by preventing cell apoptosis through PI3K/Akt signaling pathway. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 849-858.	0.7	17
48	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> , 2020, 127, e46-e47.	2.0	16
49	MicroRNA-122-5p promotes renal fibrosis and injury in spontaneously hypertensive rats by targeting FOXO3. <i>Experimental Cell Research</i> , 2022, 411, 113017.	1.2	15
50	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> , 2022, 15, 535-547.	1.1	15
51	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> , 2014, 15, 540-546.	1.0	13
52	The Relationship Between Nocturnal Blood Pressure and Hemorrhagic Stroke in Chinese Hypertensive Patients. <i>Journal of Clinical Hypertension</i> , 2014, 16, 652-657.	1.0	12
53	Genetic screening for monogenic hypertension in hypertensive individuals in a clinical setting. <i>Journal of Medical Genetics</i> , 2020, 57, 571-580.	1.5	12
54	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> , 2022, 58, 136-148.	0.7	12

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55	Possible immune regulation mechanisms for the progression of chronic thromboembolic pulmonary hypertension. <i>Thrombosis Research</i> , 2021, 198, 122-131.	0.8	11
56	Abnormal apelin-ACE2 and SGLT2 signaling contribute to adverse cardiorenal injury in patients with COVID-19. <i>International Journal of Cardiology</i> , 2021, 336, 123-129.	0.8	11
57	Correlation of left atrial wall thickness and atrial remodeling in atrial fibrillation. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT/Overloc</i>	0.4	10
58	Targeting the forkhead box protein P1 pathway as a novel therapeutic approach for cardiovascular diseases. <i>Heart Failure Reviews</i> , 2022, 27, 345-355.	1.7	10
59	Cell landscape atlas for patients with chronic thromboembolic pulmonary hypertension after pulmonary endarterectomy constructed using single-cell RNA sequencing. <i>Aging</i> , 2021, 13, 16485-16499.	1.4	10
60	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> , 2021, 52, 905-918.	1.0	10
61	Circulating Connective Tissue Growth Factor Is Associated with Diastolic Dysfunction in Patients with Diastolic Heart Failure. <i>Cardiology</i> , 2019, 143, 77-84.	0.6	9
62	Sirtuin 7 serves as a promising therapeutic target for cardiorenal diseases. <i>European Journal of Pharmacology</i> , 2022, 925, 174977.	1.7	9
63	A Lectin-EGF antibody promotes regulatory T cells and attenuates nephrotoxic nephritis via DC-SIGN on dendritic cells. <i>Journal of Translational Medicine</i> , 2013, 11, 103.	1.8	8
64	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> , 2020, 10, 2010-2014.	5.7	8
65	hsa-miR-106b-5p participates in the development of chronic thromboembolic pulmonary hypertension via targeting matrix metalloproteinase 2. <i>Pulmonary Circulation</i> , 2020, 10, 1-10.	0.8	8
66	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> , 2021, 8, 638468.	1.1	8
67	Declined ELABELA plasma levels in hypertension patients with atrial fibrillation: a case control study. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 390.	0.7	8
68	TRPC5 in cardiovascular diseases. <i>Reviews in Cardiovascular Medicine</i> , 2021, 22, 127.	0.5	7
69	Speckle tracking for predicting outcomes of balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension. <i>Echocardiography</i> , 2020, 37, 841-849.	0.3	7
70	Targeting the elabela/apelin-“apelin receptor axis as a novel therapeutic approach for hypertension. <i>Chinese Medical Journal</i> , 2021, Publish Ahead of Print, .	0.9	7
71	Examining the Development of Chronic Thromboembolic Pulmonary Hypertension at the Single-Cell Level. <i>Hypertension</i> , 2022, 79, 562-574.	1.3	7
72	p38/JNK Is Required for the Proliferation and Phenotype Changes of Vascular Smooth Muscle Cells Induced by L3MBTL4 in Essential Hypertension. <i>International Journal of Hypertension</i> , 2020, 2020, 1-12.	0.5	6

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73	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> , 2020, 20, 213.	0.7	6
74	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> , 2022, 916, 174719.	1.7	5
75	Expression Profiles of Circular RNA in Aortic Vascular Tissues of Spontaneously Hypertensive Rats. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 814402.	1.1	5
76	Association between Gut Microbiota Dysbiosis and the CHA2DS2-VASc Score in Atrial Fibrillation Patients. <i>International Journal of Clinical Practice</i> , 2022, 2022, 1-10.	0.8	5
77	Manipulating angiotensin metabolism with angiotensin converting enzyme 2 (ACE2) in heart failure. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2012, 9, e141-e148.	0.5	4
78	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> , 2016, 34, e403-e404.	0.3	4
79	The association between orthostatic blood pressure changes and subclinical target organ damage in subjects over 60 years old. <i>Journal of Geriatric Cardiology</i> , 2019, 16, 387-394.	0.2	4
80	Plasma levels of Elabela are associated with coronary angiographic severity in patients with acute coronary syndrome. <i>Journal of Geriatric Cardiology</i> , 2020, 17, 674-679.	0.2	3
81	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> , 2021, 8, 755797.	1.1	3
82	Effects of rapamycin on DC-SIGN expression and biological functions in DC. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 557.	3.0	2
83	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> , 2021, 21, 59.	0.7	2
84	GW26-e0102 Loss of Angiotensin-Converting Enzyme 2 Exacerbates Renal Inflammation and Injury in the Apolipoprotein E-Deficient Mice. <i>Journal of the American College of Cardiology</i> , 2015, 66, C1.	1.2	1
85	Profile of gut flora in hypertensive patients with insufficient sleep duration. <i>Journal of Human Hypertension</i> , 2022, 36, 390-404.	1.0	1
86	Impact of Prior Digestive System Disease on In-Hospital Gastrointestinal Bleeding in Patients with Acute Myocardial Infarction. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 1233-1239.	1.2	1
87	Circulating exosomal lncRNAs in patients with chronic coronary syndromes. <i>Archives of Medical Science</i> , 2021, , .	0.4	1
88	GW24-e3625â€¦Effects of apelin on the phosphodiesterase 1 expression and oxidative stress levels in mouse kidney fibroblast cells. <i>Heart</i> , 2013, 99, A11.2-A12.	1.2	0
89	GW25-e4356 Apelin Treatment Prevents Hippocampal Inflammation and Oxidative Stress in Hypertensive Mice via Activation of the BDNF/eNOS/NO Signaling. <i>Journal of the American College of Cardiology</i> , 2014, 64, C72-C73.	1.2	0
90	GW26-e3978 Regulatory roles of Angiotensin-Converting Enzyme 2 in NOX4 Expression and Oxidative Stress Levels in Kidneys of Apolipoprotein E-Deficient Mice. <i>Journal of the American College of Cardiology</i> , 2015, 66, C72-C73.	1.2	0

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91	GW27-e0379 Apelin attenuates aortic adventitial fibrosis in spontaneously hypertensive rats through modulating miR-1 and beta-catenin signaling. <i>Journal of the American College of Cardiology</i> , 2016, 68, C15.	1.2	0
92	GW28-e0806 Pyr1-Apelin 13 is a negative modulator of angiotensin II-mediated adverse myocardial hypertrophy, remodeling and fibrosis. <i>Journal of the American College of Cardiology</i> , 2017, 70, C29-C30.	1.2	0
93	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> , 2018, 36, e11.	0.3	0
94	A13137 Genetic screening for monogenic hypertension in a clinical setting among hypertensive individuals. <i>Journal of Hypertension</i> , 2018, 36, e218.	0.3	0
95	A16299 Interaction between Neutrophil to Lymphocyte Ratio and Arterial Stiffness in Hypertensive Patients. <i>Journal of Hypertension</i> , 2018, 36, e239.	0.3	0
96	A7645 Hypertension Is Mediated by the Gut K.pneumoniae. <i>Journal of Hypertension</i> , 2018, 36, e45-e46.	0.3	0
97	A12686 The sirtuin 6 attenuates myocardial injury and dysfunction by regulating ADAM17/ACE2 pathway in hypertensive rats. <i>Journal of Hypertension</i> , 2018, 36, e70.	0.3	0
98	Genetic deletion of CMG2 exacerbates systemicâ€¦toâ€¦pulmonary shuntâ€¦induced pulmonary arterial hypertension. <i>FASEB Journal</i> , 2021, 35, e21421.	0.2	0
99	In-hospital outcome of primary PCI for patients with acute myocardial infarction and prior coronary artery bypass grafting. <i>Journal of Thoracic Disease</i> , 2021, 13, 1737-1745.	0.6	0
100	Role of Epicardial Adipose Tissue in Heart Failure: From Basic to Clinical Perspectives. , 2020, , 173-194.		0
101	Editorial: Cardiovascular Fibrosis and Related Diseases: Basic and Clinical Research Advances. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 879780.	1.1	0