Jun Cai

List of Publications by Citations

77 papers	1,948 citations	19 h-index	43 g-index
79 ext. papers	2,911 ext. citations	5.9 avg, IF	4.87 L-index

#	Paper	IF	Citations
77	Gut microbiota dysbiosis contributes to the development of hypertension. *Microbiome*, **2017**, 5, 14	16.6	652
76	Prevalence of ideal cardiovascular health and its relationship with the 4-year cardiovascular events in a northern Chinese industrial city. *Circulation: Cardiovascular Quality and Outcomes*, **2012**, 5, 487-93	5.8	208
75	Metagenomic and metabolomic analyses unveil dysbiosis of gut microbiota in chronic heart failure patients. *Scientific Reports*, **2018**, 8, 635	4.9	133
74	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. *Microbiome*, **2018**, 6, 66	16.6	100
73	Sulfhydrated Sirtuin-1 Increasing Its Deacetylation Activity Is an Essential Epigenetics Mechanism of Anti-Atherogenesis by Hydrogen Sulfide. *Antioxidants and Redox Signaling*, **2019**, 30, 184-197	8.4	66
72	AK098656, a Novel Vascular Smooth Muscle Cell-Dominant Long Noncoding RNA, Promotes Hypertension. *Hypertension*, **2018**, 71, 262-272	8.5	57
71	Trial of Intensive Blood-Pressure Control in Older Patients with Hypertension. *New England Journal of Medicine*, **2021**, 385, 1268-1279	59.2	55
70	Profiling and bioinformatics analyses reveal differential circular RNA expression in hypertensive patients. *Clinical and Experimental Hypertension*, **2017**, 39, 454-459	2.2	51
69	Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. *GigaScience*, **2019**, 8,	7.6	47
68	Primary Aldosteronism in Patients in China With Recently Detected Hypertension. *Journal of the American College of Cardiology*, **2020**, 75, 1913-1922	15.1	43
67	The role of microRNAs in heart failure. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2019-2030	6.9	39
66	Cystathionine γ-Lyase-Hydrogen Sulfide Induces Runt-Related Transcription Factor 2 Sulfhydration, Thereby Increasing Osteoblast Activity to Promote Bone Fracture Healing. *Antioxidants and Redox Signaling*, **2017**, 27, 742-753	8.4	34
65	Vitamin D and hypertension: Prospective study and meta-analysis. *PLoS ONE*, **2017**, 12, e0174298	3.7	30
64	Dysbiotic gut microbes may contribute to hypertension by limiting vitamin D production. *Clinical Cardiology*, **2019**, 42, 710-719	3.3	28
63	miRNA Profiling of Exosomes from Spontaneous Hypertensive Rats Using Next-Generation Sequencing. *Journal of Cardiovascular Translational Research*, **2019**, 12, 75-83	3.3	28
62	A Novel Phenotype of Familial Hyperaldosteronism Type III: Concurrence of Aldosteronism and Cushing's Syndrome. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 4290-4297	5.6	24
61	The effect of vitamin D supplementation on hypertension in non-CKD populations: A systemic review and meta-analysis. *International Journal of Cardiology*, **2017**, 227, 177-186	3.2	22

60	Clinical course and prognostic factors of childhood Takayasu's arteritis: over 15-year comprehensive analysis of 101 patients. *Arthritis Research and Therapy*, **2019**, 21, 31	5.7	21
59	MicroRNA-216a promotes M1 macrophages polarization and atherosclerosis progression by activating telomerase via the Smad3/NF-B pathway. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 1772-1781	6.9	21
58	Value of a Machine Learning Approach for Predicting Clinical Outcomes in Young Patients With Hypertension. *Hypertension*, **2020**, 75, 1271-1278	8.5	17
57	Cystathionine beta synthase-hydrogen sulfide system in paraventricular nucleus reduced high fatty diet induced obesity and insulin resistance by brain-adipose axis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 3281-3291	6.9	16
56	Cardiac Valve Involvement in Takayasu Arteritis Is Common: A Retrospective Study of 1,069 Patients Over 25 Years. *American Journal of the Medical Sciences*, **2018**, 356, 357-364	2.2	15
55	Alterations of gut microbiota contribute to the progression of unruptured intracranial aneurysms. *Nature Communications*, **2020**, 11, 3218	17.4	14
54	CD4 T-Cell Endogenous Cystathionine Lyase-Hydrogen Sulfide Attenuates Hypertension by Sulfhydrating Liver Kinase B1 to Promote T Regulatory Cell Differentiation and Proliferation. *Circulation*, **2020**, 142, 1752-1769	16.7	14
53	Gut microbes in cardiovascular diseases and their potential therapeutic applications. *Protein and Cell*, **2021**, 12, 346-359	7.2	14
52	The presentation and management of hypertension in a large cohort of Takayasu arteritis. *Clinical Rheumatology*, **2018**, 37, 2781-2788	3.9	14
51	Aortic Aneurysm in Takayasu Arteritis. *American Journal of the Medical Sciences*, **2017**, 354, 539-547	2.2	13
50	Roles of long noncoding RNAs in aging and aging complications. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 1763-1771	6.9	13
49	Hydrogen sulfide lowers hyperhomocysteinemia dependent on cystathionine lyase S-sulfhydration in ApoE-knockout atherosclerotic mice. *British Journal of Pharmacology*, **2019**, 176, 3180-3192	8.6	12
48	Genetic screening of SCNN1B and SCNN1G genes in early-onset hypertensive patients helps to identify Liddle syndrome. *Clinical and Experimental Hypertension*, **2018**, 40, 107-111	2.2	12
47	Aortic Dissection in Takayasu Arteritis. *American Journal of the Medical Sciences*, **2017**, 353, 342-352	2.2	11
46	The Role and Mechanism of Intestinal Flora in Blood Pressure Regulation and Hypertension Development. *Antioxidants and Redox Signaling*, **2021**, 34, 811-830	8.4	10
45	Novel Biomarkers for the Precisive Diagnosis and Activity Classification of Takayasu Arteritis. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002080	5.2	9
44	New drug targets for hypertension: A literature review. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1867, 166037	6.9	7
43	Tuberculosis in Takayasu arteritis: a retrospective study in 1105 Chinese patients. *Journal of Geriatric Cardiology*, **2019**, 16, 648-655	1.7	6

42	Long-term blood pressure outcomes of patients with adrenal venous sampling-proven unilateral primary aldosteronism. *Journal of Human Hypertension*, **2020**, 34, 440-447	2.6	6
41	Surgical Treatment in Patients With Aortic Regurgitation Due to Takayasu Arteritis. *Annals of Thoracic Surgery*, **2020**, 110, 165-171	2.7	6
40	An Application of Machine Learning to Etiological Diagnosis of Secondary Hypertension: Retrospective Study Using Electronic Medical Records. *JMIR Medical Informatics*, **2021**, 9, e19739	3.6	6
39	Genetic screening for Bartter syndrome and Gitelman syndrome pathogenic genes among individuals with hypertension and hypokalemia. *Clinical and Experimental Hypertension*, **2019**, 41, 381-388	2.2	5
38	Clinical Course, Management, and Outcomes of Pediatric Takayasu Arteritis Initially Presenting With Hypertension: A 16-year overview. *American Journal of Hypertension*, **2019**, 32, 1021-1029	2.3	5
37	Hydrogen sulphide reduces hyperhomocysteinaemia-induced endothelial ER stress by sulfhydrating protein disulphide isomerase to attenuate atherosclerosis. *Journal of Cellular and Molecular Medicine*, **2021**, 25, 3437-3448	5.6	5
36	Metformin inhibits HaCaT cell viability via the miR-21/PTEN/Akt signaling pathway. *Molecular Medicine Reports*, **2018**, 17, 4062-4066	2.9	4
35	Apparent mineralocorticoid excess caused by novel compound heterozygous mutations in HSD11B2 and characterized by early-onset hypertension and hypokalemia. *Endocrine*, **2020**, 70, 607-615	4	4
34	Hypertension and Brachydactyly Syndrome Associated With Vertebral Artery Malformation Caused by a PDE3A Missense Mutation. *American Journal of Hypertension*, **2020**, 33, 190-197	2.3	3
33	Blood Pressure Variability Is Associated with Hearing and Hearing Loss: A Population-Based Study in Males. *International Journal of Hypertension*, **2019**, 2019, 9891025	2.4	3
32	Genetic screening for monogenic hypertension in hypertensive individuals in a clinical setting. *Journal of Medical Genetics*, **2020**, 57, 571-580	5.8	3
31	Pediatric Liddle Syndrome Caused by a Novel SCNN1G Variant in a Chinese Family and Characterized by Early-Onset Hypertension. *American Journal of Hypertension*, **2020**, 33, 670-675	2.3	3
30	Cumulative mean arterial pressure and risks of adverse cardiac and cerebrovascular events: a prospective cohort study of 53,813 adults. *Journal of Human Hypertension*, **2018**, 32, 585-593	2.6	3
29	Liddle syndrome misdiagnosed as primary aldosteronism resulting from a novel frameshift mutation of SCNN1B. *Endocrine Connections*, **2018**, 7, 1528-1534	3.5	3
28	F-FDG PET/CT plays a unique role in the management of Takayasu arteritis patients with atypical manifestations. *Clinical Rheumatology*, **2021**, 40, 625-633	3.9	3
27	Mdivi-1, a mitochondrial fission inhibitor, reduces angiotensin-II- induced hypertension by mediating VSMC phenotypic switch. *Biomedicine and Pharmacotherapy*, **2021**, 140, 111689	7.5	3
26	A Novel Frameshift Mutation of SCNN1G Causing Liddle Syndrome with Normokalemia. *American Journal of Hypertension*, **2019**, 32, 752-758	2.3	2
25	The association between orthostatic blood pressure changes and subclinical target organ damage in subjects over 60 years old. *Journal of Geriatric Cardiology*, **2019**, 16, 387-394	1.7	2

24	Clinical Scenario and Long-Term Outcome of Childhood Takayasu Arteritis Undergoing 121 Endovascular Interventions: A Large Cohort Over a Fifteen-Year Period. *Arthritis Care and Research*, **2021**, 73, 1678-1688	4.7	2
23	Clinical characteristics and outcomes of chronic heart failure in adult Takayasu arteritis: A cohort study of 163 patients. *International Journal of Cardiology*, **2021**, 325, 103-108	3.2	2
22	Single cell transcriptomic analysis identifies novel vascular smooth muscle subsets under high hydrostatic pressure. *Science China Life Sciences*, **2021**, 64, 1677-1690	8.5	2
21	Norswertianolin Promotes Cystathionine γ-Lyase Activity and Attenuates Renal Ischemia/Reperfusion Injury and Hypertension. *Frontiers in Pharmacology*, **2021**, 12, 677212	5.6	2
20	p38/JNK Is Required for the Proliferation and Phenotype Changes of Vascular Smooth Muscle Cells Induced by in Essential Hypertension. *International Journal of Hypertension*, **2020**, 2020, 3123968	2.4	1
19	Truncated Epithelial Sodium Channel β-Subunit Responsible for Liddle Syndrome in a Chinese Family. *Kidney and Blood Pressure Research*, **2019**, 44, 942-949	3.1	1
18	Paroxysmal Hypertension Associated With Urination. *Hypertension*, **2019**, 74, 1068-1074	8.5	1
17	Vascular smooth muscle cell-derived hydrogen sulfide promotes atherosclerotic plaque stability via TFEB (transcription factor EB)-mediated autophagy.. *Autophagy*, **2022**, 1-18	10.2	1
16	Ferroptosis due to Cystathionine γ-Lyase/Hydrogen Sulfide Downregulation Under High Hydrostatic Pressure Exacerbates VSMC Dysfunction.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 829316	5.7	1
15	Changes in Cardiovascular Health Status and the Risk of New-Onset Hypertension in Kailuan Cohort Study. *PLoS ONE*, **2016**, 11, e0158869	3.7	1
14	Anemia in patients with Takayasu arteritis: prevalence, clinical features, and treatment. *Journal of Geriatric Cardiology*, **2019**, 16, 689-694	1.7	1
13	Premature Stroke Secondary to Severe Hypertension Results from Liddle Syndrome Caused by a Novel SCNN1B Mutation. *Kidney and Blood Pressure Research*, **2020**, 45, 603-611	3.1	1
12	Blocking FcγRIIB in Smooth Muscle Cells Reduces Hypertension. *Circulation Research*, **2021**, 129, 308-325	15.7	1
11	Clinical characteristics of concurrent primary aldosteronism and renal artery stenosis: A retrospective case-control study. *Clinical and Experimental Hypertension*, **2021**, 43, 7-12	2.2	1
10	A Chinese pedigree with glucocorticoid remediable aldosteronism. *Hypertension Research*, **2021**, 44, 1428-1433	4.7	1
9	Effect of fecal microbiota transplantation on primary hypertension and the underlying mechanism of gut microbiome restoration: protocol of a randomized, blinded, placebo-controlled study.. *Trials*, **2022**, 23, 178	2.8	1
8	Gut microbiota production of trimethyl-5-aminovaleric acid reduces fatty acid oxidation and accelerates cardiac hypertrophy.. *Nature Communications*, **2022**, 13, 1757	17.4	1
7	Genetic variants in Chinese patients with sporadic Stanford type A aortic dissection. *Journal of Thoracic Disease*, **2021**, 13, 4008-4022	2.6	0

6	The Bidirectional Signal Communication of Microbiota-Gut-Brain Axis in Hypertension.. *International Journal of Hypertension*, **2021**, 2021, 8174789	2.4	0
5	Non-alcoholic Fatty Liver Disease Is Associated With Cardiovascular Outcomes in Subjects With Prediabetes and Diabetes: A Prospective Community-Based Cohort Study.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 889597	5.4	0
4	Coarctation of the aorta in twins with severe hypertension. *Journal of Geriatric Cardiology*, **2019**, 16, 894-897	1.7	
3	Etiology spectrum and clinical characteristics of renal artery stenosis in a Chinese cohort. *Journal of Geriatric Cardiology*, **2021**, 18, 104-113	1.7	
2	Mid-aortic syndrome is associated with increased left ventricular mass index in Takayasu arteritis. *Annals of Translational Medicine*, **2021**, 9, 1124	3.2	
1	Effectiveness of a clinical decision support system for hypertension management in primary care: study protocol for a pragmatic cluster-randomized controlled trial.. *Trials*, **2022**, 23, 412	2.8	