

Jun Cai

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2259227/jun-cai-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Vascular smooth muscle cell-derived hydrogen sulfide promotes atherosclerotic plaque stability via TFEB (transcription factor EB)-mediated autophagy.. <i>Autophagy</i> , 2022 , 1-18	10.2	1
76	Ferroptosis due to Cystathionine β -Lyase/Hydrogen Sulfide Downregulation Under High Hydrostatic Pressure Exacerbates VSMC Dysfunction.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 829316	5.7	1
75	Effect of fecal microbiota transplantation on primary hypertension and the underlying mechanism of gut microbiome restoration: protocol of a randomized, blinded, placebo-controlled study.. <i>Trials</i> , 2022 , 23, 178	2.8	1
74	Gut microbiota production of trimethyl-5-aminovaleric acid reduces fatty acid oxidation and accelerates cardiac hypertrophy.. <i>Nature Communications</i> , 2022 , 13, 1757	17.4	1
73	Non-alcoholic Fatty Liver Disease Is Associated With Cardiovascular Outcomes in Subjects With Prediabetes and Diabetes: A Prospective Community-Based Cohort Study.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 889597	5.4	0
72	Effectiveness of a clinical decision support system for hypertension management in primary care: study protocol for a pragmatic cluster-randomized controlled trial.. <i>Trials</i> , 2022 , 23, 412	2.8	
71	Etiology spectrum and clinical characteristics of renal artery stenosis in a Chinese cohort. <i>Journal of Geriatric Cardiology</i> , 2021 , 18, 104-113	1.7	
70	Clinical Scenario and Long-Term Outcome of Childhood Takayasu Arteritis Undergoing 121 Endovascular Interventions: A Large Cohort Over a Fifteen-Year Period. <i>Arthritis Care and Research</i> , 2021 , 73, 1678-1688	4.7	2
69	Hydrogen sulphide reduces hyperhomocysteinaemia-induced endothelial ER stress by sulfhydrating protein disulphide isomerase to attenuate atherosclerosis. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 3437-3448	5.6	5
68	Blocking Fc γ RIIB in Smooth Muscle Cells Reduces Hypertension. <i>Circulation Research</i> , 2021 , 129, 308-325	15.7	1
67	The Role and Mechanism of Intestinal Flora in Blood Pressure Regulation and Hypertension Development. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 811-830	8.4	10
66	F-FDG PET/CT plays a unique role in the management of Takayasu arteritis patients with atypical manifestations. <i>Clinical Rheumatology</i> , 2021 , 40, 625-633	3.9	3
65	Clinical characteristics of concurrent primary aldosteronism and renal artery stenosis: A retrospective case-control study. <i>Clinical and Experimental Hypertension</i> , 2021 , 43, 7-12	2.2	1
64	Gut microbes in cardiovascular diseases and their potential therapeutic applications. <i>Protein and Cell</i> , 2021 , 12, 346-359	7.2	14
63	Clinical characteristics and outcomes of chronic heart failure in adult Takayasu arteritis: A cohort study of 163 patients. <i>International Journal of Cardiology</i> , 2021 , 325, 103-108	3.2	2
62	New drug targets for hypertension: A literature review. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166037	6.9	7
61	Single cell transcriptomic analysis identifies novel vascular smooth muscle subsets under high hydrostatic pressure. <i>Science China Life Sciences</i> , 2021 , 64, 1677-1690	8.5	2

60	An Application of Machine Learning to Etiological Diagnosis of Secondary Hypertension: Retrospective Study Using Electronic Medical Records. <i>JMIR Medical Informatics</i> , 2021 , 9, e19739	3.6	6
59	Mid-aortic syndrome is associated with increased left ventricular mass index in Takayasu arteritis. <i>Annals of Translational Medicine</i> , 2021 , 9, 1124	3.2	
58	Genetic variants in Chinese patients with sporadic Stanford type A aortic dissection. <i>Journal of Thoracic Disease</i> , 2021 , 13, 4008-4022	2.6	0
57	Norswertianolin Promotes Cystathionine Lyase Activity and Attenuates Renal Ischemia/Reperfusion Injury and Hypertension. <i>Frontiers in Pharmacology</i> , 2021 , 12, 677212	5.6	2
56	Mdivi-1, a mitochondrial fission inhibitor, reduces angiotensin-II- induced hypertension by mediating VSMC phenotypic switch. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111689	7.5	3
55	A Chinese pedigree with glucocorticoid remediable aldosteronism. <i>Hypertension Research</i> , 2021 , 44, 1428-1433	4.7	1
54	Trial of Intensive Blood-Pressure Control in Older Patients with Hypertension. <i>New England Journal of Medicine</i> , 2021 , 385, 1268-1279	59.2	55
53	The Bidirectional Signal Communication of Microbiota-Gut-Brain Axis in Hypertension.. <i>International Journal of Hypertension</i> , 2021 , 2021, 8174789	2.4	0
52	Hypertension and Brachydactyly Syndrome Associated With Vertebral Artery Malformation Caused by a PDE3A Missense Mutation. <i>American Journal of Hypertension</i> , 2020 , 33, 190-197	2.3	3
51	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> , 2020 , 2020, 3123968	2.4	1
50	Primary Aldosteronism in Patients in China With Recently Detected Hypertension. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1913-1922	15.1	43
49	Genetic screening for monogenic hypertension in hypertensive individuals in a clinical setting. <i>Journal of Medical Genetics</i> , 2020 , 57, 571-580	5.8	3
48	Value of a Machine Learning Approach for Predicting Clinical Outcomes in Young Patients With Hypertension. <i>Hypertension</i> , 2020 , 75, 1271-1278	8.5	17
47	Pediatric Liddle Syndrome Caused by a Novel SCNN1G Variant in a Chinese Family and Characterized by Early-Onset Hypertension. <i>American Journal of Hypertension</i> , 2020 , 33, 670-675	2.3	3
46	Alterations of gut microbiota contribute to the progression of unruptured intracranial aneurysms. <i>Nature Communications</i> , 2020 , 11, 3218	17.4	14
45	Long-term blood pressure outcomes of patients with adrenal venous sampling-proven unilateral primary aldosteronism. <i>Journal of Human Hypertension</i> , 2020 , 34, 440-447	2.6	6
44	Surgical Treatment in Patients With Aortic Regurgitation Due to Takayasu Arteritis. <i>Annals of Thoracic Surgery</i> , 2020 , 110, 165-171	2.7	6
43	Premature Stroke Secondary to Severe Hypertension Results from Liddle Syndrome Caused by a Novel SCNN1B Mutation. <i>Kidney and Blood Pressure Research</i> , 2020 , 45, 603-611	3.1	1

42	CD4 T-Cell Endogenous Cystathionine γ -Lyase-Hydrogen Sulfide Attenuates Hypertension by Sulfhydrating Liver Kinase B1 to Promote T Regulatory Cell Differentiation and Proliferation. <i>Circulation</i> , 2020 , 142, 1752-1769	16.7	14
41	Apparent mineralocorticoid excess caused by novel compound heterozygous mutations in HSD11B2 and characterized by early-onset hypertension and hypokalemia. <i>Endocrine</i> , 2020 , 70, 607-615	4	4
40	Clinical course and prognostic factors of childhood Takayasu arteritis: over 15-year comprehensive analysis of 101 patients. <i>Arthritis Research and Therapy</i> , 2019 , 21, 31	5.7	21
39	Hydrogen sulfide lowers hyperhomocysteinemia dependent on cystathionine γ -lyase S-sulfhydration in ApoE-knockout atherosclerotic mice. <i>British Journal of Pharmacology</i> , 2019 , 176, 3180-3192	8.6	12
38	Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. <i>GigaScience</i> , 2019 , 8,	7.6	47
37	Dysbiotic gut microbes may contribute to hypertension by limiting vitamin D production. <i>Clinical Cardiology</i> , 2019 , 42, 710-719	3.3	28
36	A Novel Frameshift Mutation of SCNN1G Causing Liddle Syndrome with Normokalemia. <i>American Journal of Hypertension</i> , 2019 , 32, 752-758	2.3	2
35	Blood Pressure Variability Is Associated with Hearing and Hearing Loss: A Population-Based Study in Males. <i>International Journal of Hypertension</i> , 2019 , 2019, 9891025	2.4	3
34	MicroRNA-216a promotes M1 macrophages polarization and atherosclerosis progression by activating telomerase via the Smad3/NF- κ B pathway. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1772-1781	6.9	21
33	Genetic screening for Bartter syndrome and Gitelman syndrome pathogenic genes among individuals with hypertension and hypokalemia. <i>Clinical and Experimental Hypertension</i> , 2019 , 41, 381-388	2.2	5
32	Truncated Epithelial Sodium Channel β -subunit Responsible for Liddle Syndrome in a Chinese Family. <i>Kidney and Blood Pressure Research</i> , 2019 , 44, 942-949	3.1	1
31	Clinical Course, Management, and Outcomes of Pediatric Takayasu Arteritis Initially Presenting With Hypertension: A 16-year overview. <i>American Journal of Hypertension</i> , 2019 , 32, 1021-1029	2.3	5
30	Paroxysmal Hypertension Associated With Urination. <i>Hypertension</i> , 2019 , 74, 1068-1074	8.5	1
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> , 2019 , 16, 387-394	1.7	2
28	Tuberculosis in Takayasu arteritis: a retrospective study in 1105 Chinese patients. <i>Journal of Geriatric Cardiology</i> , 2019 , 16, 648-655	1.7	6
27	Anemia in patients with Takayasu arteritis: prevalence, clinical features, and treatment. <i>Journal of Geriatric Cardiology</i> , 2019 , 16, 689-694	1.7	1
26	Coarctation of the aorta in twins with severe hypertension. <i>Journal of Geriatric Cardiology</i> , 2019 , 16, 894-897	1.8	7
25	Novel Biomarkers for the Precise Diagnosis and Activity Classification of Takayasu Arteritis. <i>Circulation Genomic and Precision Medicine</i> , 2019 , 12, e002080	5.2	9

24	Roles of long noncoding RNAs in aging and aging complications. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1763-1771	6.9	13
23	miRNA Profiling of Exosomes from Spontaneous Hypertensive Rats Using Next-Generation Sequencing. <i>Journal of Cardiovascular Translational Research</i> , 2019 , 12, 75-83	3.3	28
22	Sulphydrated Sirtuin-1 Increasing Its Deacetylation Activity Is an Essential Epigenetics Mechanism of Anti-Atherogenesis by Hydrogen Sulfide. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 184-197	8.4	66
21	Metformin inhibits HaCaT cell viability via the miR-21/PTEN/Akt signaling pathway. <i>Molecular Medicine Reports</i> , 2018 , 17, 4062-4066	2.9	4
20	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. <i>Microbiome</i> , 2018 , 6, 66	16.6	100
19	AK098656, a Novel Vascular Smooth Muscle Cell-Dominant Long Noncoding RNA, Promotes Hypertension. <i>Hypertension</i> , 2018 , 71, 262-272	8.5	57
18	Metagenomic and metabolomic analyses unveil dysbiosis of gut microbiota in chronic heart failure patients. <i>Scientific Reports</i> , 2018 , 8, 635	4.9	133
17	Genetic screening of SCNN1B and SCNN1G genes in early-onset hypertensive patients helps to identify Liddle syndrome. <i>Clinical and Experimental Hypertension</i> , 2018 , 40, 107-111	2.2	12
16	Cystathionine beta synthase-hydrogen sulfide system in paraventricular nucleus reduced high fatty diet induced obesity and insulin resistance by brain-adipose axis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3281-3291	6.9	16
15	Cumulative mean arterial pressure and risks of adverse cardiac and cerebrovascular events: a prospective cohort study of 53,813 adults. <i>Journal of Human Hypertension</i> , 2018 , 32, 585-593	2.6	3
14	Liddle syndrome misdiagnosed as primary aldosteronism resulting from a novel frameshift mutation of SCNN1B. <i>Endocrine Connections</i> , 2018 , 7, 1528-1534	3.5	3
13	The presentation and management of hypertension in a large cohort of Takayasu arteritis. <i>Clinical Rheumatology</i> , 2018 , 37, 2781-2788	3.9	14
12	Cardiac Valve Involvement in Takayasu Arteritis Is Common: A Retrospective Study of 1,069 Patients Over 25 Years. <i>American Journal of the Medical Sciences</i> , 2018 , 356, 357-364	2.2	15
11	Gut microbiota dysbiosis contributes to the development of hypertension. <i>Microbiome</i> , 2017 , 5, 14	16.6	652
10	Aortic Dissection in Takayasu Arteritis. <i>American Journal of the Medical Sciences</i> , 2017 , 353, 342-352	2.2	11
9	Cystathionine β -Lyase-Hydrogen Sulfide Induces Runt-Related Transcription Factor 2 Sulphydration, Thereby Increasing Osteoblast Activity to Promote Bone Fracture Healing. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 742-753	8.4	34
8	Profiling and bioinformatics analyses reveal differential circular RNA expression in hypertensive patients. <i>Clinical and Experimental Hypertension</i> , 2017 , 39, 454-459	2.2	51
7	The role of microRNAs in heart failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2019-2030	6.9	39

6	Aortic Aneurysm in Takayasu Arteritis. <i>American Journal of the Medical Sciences</i> , 2017 , 354, 539-547	2.2	13
5	The effect of vitamin D supplementation on hypertension in non-CKD populations: A systemic review and meta-analysis. <i>International Journal of Cardiology</i> , 2017 , 227, 177-186	3.2	22
4	Vitamin D and hypertension: Prospective study and meta-analysis. <i>PLoS ONE</i> , 2017 , 12, e0174298	3.7	30
3	Changes in Cardiovascular Health Status and the Risk of New-Onset Hypertension in Kailuan Cohort Study. <i>PLoS ONE</i> , 2016 , 11, e0158869	3.7	1
2	A Novel Phenotype of Familial Hyperaldosteronism Type III: Concurrence of Aldosteronism and Cushing's Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 4290-4297	5.6	24
1	Prevalence of ideal cardiovascular health and its relationship with the 4-year cardiovascular events in a northern Chinese industrial city. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2012 , 5, 487-93	5.8	208