

# Jun Cai

## List of Publications by Year in descending order

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77  
papers

3,744  
citations

218677

26  
h-index

138484

58  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiota dysbiosis contributes to the development of hypertension. <i>Microbiome</i> , 2017, 5, 14.	11.1	1,086
2	Trial of Intensive Blood-Pressure Control in Older Patients with Hypertension. <i>New England Journal of Medicine</i> , 2021, 385, 1268-1279.	27.0	318
3	Signature microRNA Expression Profile of Essential Hypertension and Its Novel Link to Human Cytomegalovirus Infection. <i>Circulation</i> , 2011, 124, 175-184.	1.6	306
4	Metagenomic and metabolomic analyses unveil dysbiosis of gut microbiota in chronic heart failure patients. <i>Scientific Reports</i> , 2018, 8, 635.	3.3	218
5	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. <i>Microbiome</i> , 2018, 6, 66.	11.1	185
6	Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. <i>GigaScience</i> , 2019, 8, .	6.4	123
7	Sulhydrated 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.	5.4	103
8	AK098656, a Novel Vascular Smooth Muscle Cellâ€œDominant Long Noncoding RNA, Promotes Hypertension. <i>Hypertension</i> , 2018, 71, 262-272.	2.7	80
9	Crocin protects against cardiac hypertrophy by blocking MEKâ€œERK1/2 signalling pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 909-925.	3.6	76
10	Gut microbes in cardiovascular diseases and their potential therapeutic applications. <i>Protein and Cell</i> , 2021, 12, 346-359.	11.0	62
11	Burden of hypertension in China over the past decades: Systematic analysis of prevalence, treatment and control of hypertension. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 792-800.	1.8	57
12	Alterations of gut microbiota contribute to the progression of unruptured intracranial aneurysms. <i>Nature Communications</i> , 2020, 11, 3218.	12.8	56
13	Short-term surgical outcomes of laparoscopy-assisted versus open D2 distal gastrectomy for locally advanced gastric cancer in North China: a multicenter randomized controlled trial. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 33-45.	2.4	55
14	The Ideal Cardiovascular Health Metrics Associated Inversely with Mortality from All Causes and from Cardiovascular Diseases among Adults in a Northern Chinese Industrial City. <i>PLoS ONE</i> , 2014, 9, e89161.	2.5	51
15	<sc>TET2</sc> regulates <sc>LncRNAâ€œANRIL</sc> expression and inhibits the growth of human gastric cancer cells. <i>IUBMB Life</i> , 2016, 68, 355-364.	3.4	51
16	Differentially Expressed Plasma MicroRNAs and the Potential Regulatory Function of Let-7b in Chronic Thromboembolic Pulmonary Hypertension. <i>PLoS ONE</i> , 2014, 9, e101055.	2.5	50
17	Micro<sc>RNA</sc>â€œ181c targets Bclâ€œ2 and regulates mitochondrial morphology in myocardial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 2084-2097.	3.6	48
18	Dysbiotic gut microbes may contribute to hypertension by limiting vitamin D production. <i>Clinical Cardiology</i> , 2019, 42, 710-719.	1.8	48

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19	Genetic Variants Associated with Myocardial Infarction and the Risk Factors in Chinese Population. PLoS ONE, 2014, 9, e86332.	2.5	47
20	Cardiovascular Health Score and the Risk of Cardiovascular Diseases. PLoS ONE, 2015, 10, e0131537.	2.5	44
21	CD4 <sup>+</sup> T-Cell Endogenous Cystathionine $\beta$ Lyase “Hydrogen Sulfide Attenuates Hypertension by Sulfhydrating Liver Kinase B1 to Promote T Regulatory Cell Differentiation and Proliferation. Circulation, 2020, 142, 1752-1769.	1.6	43
22	Homocysteine as a Risk Factor for Hypertension: A 2-Year Follow-Up Study. PLoS ONE, 2014, 9, e108223.	2.5	35
23	Heparin-functionalized Pluronic nanoparticles to enhance the antitumor efficacy of sorafenib in gastric cancers. Carbohydrate Polymers, 2016, 136, 782-790.	10.2	34
24	Progress in Therapies for Myocardial Ischemia Reperfusion Injury. Current Drug Targets, 2017, 18, 1712-1721.	2.1	34
25	Effects of Simvastatin on Glucose Metabolism in Mouse MIN6 Cells. Journal of Diabetes Research, 2014, 2014, 1-10.	2.3	30
26	Mdivi-1, a mitochondrial fission inhibitor, reduces angiotensin-II- induced hypertension by mediating VSMC phenotypic switch. Biomedicine and Pharmacotherapy, 2021, 140, 111689.	5.6	30
27	miR-141 Inhibits Proliferation and Migration of Colorectal Cancer SW480 Cells. Anticancer Research, 2017, 37, 4345-4352.	1.1	29
28	Hcmv-miR-UL112 attenuates NK cell activity by inhibition type I interferon secretion. Immunology Letters, 2015, 163, 151-156.	2.5	28
29	The Role and Mechanism of Intestinal Flora in Blood Pressure Regulation and Hypertension Development. Antioxidants and Redox Signaling, 2021, 34, 811-830.	5.4	28
30	Hydrogen sulfide lowers hyperhomocysteinemia dependent on cystathionine $\beta$ lyase S-sulfhydration in ApoE <sup>-/-</sup> knockout atherosclerotic mice. British Journal of Pharmacology, 2019, 176, 3180-3192.	5.4	27
31	Orail, a Direct Target of microRNA-519, Promotes Progression of Colorectal Cancer via Akt/GSK3 $\beta$ Signaling Pathway. Digestive Diseases and Sciences, 2016, 61, 1553-1560.	2.3	25
32	New drug targets for hypertension: A literature review. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166037.	3.8	25
33	Human Cytomegalovirus Linked to Stroke in a Chinese Population. CNS Neuroscience and Therapeutics, 2012, 18, 457-460.	3.9	23
34	Vascular smooth muscle cell-derived hydrogen sulfide promotes atherosclerotic plaque stability via TFEB (transcription factor EB)-mediated autophagy. Autophagy, 2022, 18, 2270-2287.	9.1	20
35	Coffee consumption and the risk of incident gastric cancer “A meta-analysis of prospective cohort studies. Nutrition and Cancer, 2016, 68, 40-47.	2.0	19
36	Anxiety, home blood pressure monitoring, and cardiovascular events among older hypertension patients during the COVID-19 pandemic. Hypertension Research, 2022, 45, 856-865.	2.7	19

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37	Targeted Expression of Receptor-Associated Late Transducer Inhibits Maladaptive Hypertrophy via Blocking Epidermal Growth Factor Receptor Signaling. <i>Hypertension</i> , 2009, 53, 539-548.	2.7	18
38	miRNA Expression Profile and Involvement of Let-7d-APP in Aged Rats with Isoflurane-Induced Learning and Memory Impairment. <i>PLoS ONE</i> , 2015, 10, e0119336.	2.5	15
39	Gastric Cancer Mortality Trends in China (2006-2013) Reveal Increasing Mortality in Young Subjects. <i>Anticancer Research</i> , 2017, 37, 4671-4679.	1.1	14
40	Positive Expression of Human Cytomegalovirus Phosphoprotein 65 in Atherosclerosis. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	13
41	STEP to blood pressure management of elderly hypertension: evidence from Asia. <i>Hypertension Research</i> , 2022, 45, 576-582.	2.7	13
42	The Profile of Serum microRNAs Predicts Prognosis for Resected Gastric Cancer Patients Receiving Platinum-Based Chemotherapy. <i>Digestive Diseases and Sciences</i> , 2017, 62, 1223-1234.	2.3	12
43	Changes in cardiovascular health score and atherosclerosis progression in middle-aged and older persons in China: a cohort study. <i>BMJ Open</i> , 2015, 5, e007547.	1.9	9
44	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.	1.6	9
45	ANTXR2 Knock-Out Does Not Result in the Development of Hypertension in Rats. <i>American Journal of Hypertension</i> , 2017, 30, 182-187.	2.0	8
46	Correlation of triglycerides with myocardial infarction and analysis of risk factors for myocardial infarction in patients with elevated triglyceride. <i>Journal of Thoracic Disease</i> , 2018, 10, 2551-2557.	1.4	8
47	miR-483-3p regulates acute myocardial infarction by transcriptionally repressing insulin growth factor 1 expression. <i>Molecular Medicine Reports</i> , 2018, 17, 4785-4790.	2.4	8
48	Changes in Home Blood Pressure Monitored Among Elderly Patients With Hypertension During the COVID-19 Outbreak: A Longitudinal Study in China Leveraging a Smartphone-Based Application. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2021, 14, e007098.	2.2	8
49	The Bidirectional Signal Communication of Microbiota-Gut-Brain Axis in Hypertension. <i>International Journal of Hypertension</i> , 2021, 2021, 1-9.	1.3	8
50	Preliminary study of microRNA-126 as a novel therapeutic target for primary hypertension. <i>International Journal of Molecular Medicine</i> , 2018, 41, 1835-1844.	4.0	7
51	Explored Risk Factors for Lymph Node Metastasis with Siewert II/III Adenocarcinoma of the Gastroesophageal Junction. <i>Anticancer Research</i> , 2017, 37, 4605-4610.	1.1	7
52	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.	1.3	6
53	Blocking Fc $\gamma$ RIIB in Smooth Muscle Cells Reduces Hypertension. <i>Circulation Research</i> , 2021, 129, 308-325.	4.5	6
54	Characterization of fecal metabolome changes in patients with obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 575-586.	2.6	6

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55	A new technique for treating hiatal hernia with gastroesophageal reflux disease: the laparoscopic total left-side surgical approach. <i>BMC Surgery</i> , 2021, 21, 361.	1.3	6
56	Cross-section analysis of coal workers' pneumoconiosis and higher brachial-ankle pulse wave velocity within Kailuan study. <i>BMC Public Health</i> , 2017, 17, 148.	2.9	5
57	Protocol for expanded indications of endoscopic submucosal dissection for early gastric cancer in China: a multicenter, ambispective, observational, open-cohort study. <i>BMC Cancer</i> , 2020, 20, 801.	2.6	5
58	Vascular endothelial function of patients with stable coronary artery disease. <i>Pakistan Journal of Medical Sciences</i> , 1969, 31, 538-42.	0.6	4
59	Relationship between cardiovascular health score and year-to-year blood pressure variability in China: a prospective cohort study. <i>BMJ Open</i> , 2015, 5, e008730.	1.9	4
60	Single cell transcriptomic analysis identifies novel vascular smooth muscle subsets under high hydrostatic pressure. <i>Science China Life Sciences</i> , 2021, 64, 1677-1690.	4.9	4
61	Laparoscopic total left-sided surgical approach versus traditional bilateral surgical approach for treating hiatal hernia: a study protocol for a randomized controlled trial. <i>Annals of Translational Medicine</i> , 2021, 9, 951-951.	1.7	4
62	Paroxysmal Hypertension Associated With Urination. <i>Hypertension</i> , 2019, 74, 1068-1074.	2.7	3
63	Apatinib plus S-1 for previously treated, advanced gastric or gastro-oesophageal junction adenocarcinoma: a phase 2, single-arm, prospective study. <i>Journal of Gastrointestinal Oncology</i> , 2021, 12, 2035-2044.	1.4	3
64	Malignant tumors associated with Peutz-Jeghers syndrome: Five cases from a single surgical unit. <i>World Journal of Clinical Cases</i> , 2020, 8, 264-275.	0.8	3
65	Current indications for endoscopic submucosal dissection of early gastric cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 560-573.	2.0	2
66	Norswertianolin Promotes Cystathionine $\beta$ -Lyase Activity and Attenuates Renal Ischemia/Reperfusion Injury and Hypertension. <i>Frontiers in Pharmacology</i> , 2021, 12, 677212.	3.5	2
67	Anatomical variation of infra-pyloric artery origination: A prospective multicenter observational study (IPA-Origin). <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association</i> , Beijing Institute for Cancer Research, 2018, 30, 500-507.	2.2	2
68	Improving outcomes for older hypertensive patients: is more intensive treatment better?. <i>Expert Review of Cardiovascular Therapy</i> , 2022, 20, 1-3.	1.5	2
69	Characterization and influencing factors of visit-to-visit blood pressure variability of the population in a northern Chinese industrial city. <i>Chinese Medical Journal</i> , 2014, 127, 1022-6.	2.3	2
70	Profile of gut flora in hypertensive patients with insufficient sleep duration. <i>Journal of Human Hypertension</i> , 2022, 36, 390-404.	2.2	1
71	Factors associated with overall survival in early gastric cancer patients who underwent additional surgery after endoscopic submucosal dissection. <i>World Journal of Clinical Cases</i> , 2021, 9, 2192-2204.	0.8	1
72	Infrapyloric lymph node metastasis pattern in middle/lower gastric cancer: an exploratory analysis of a multicenter prospective observational study (IPA-ORIGIN). <i>Chinese Medical Journal</i> , 2020, 133, 2759-2761.	2.3	1

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73	Reliability Analysis of a Functional Diagnostic Test for Primary Hyperaldosteronism Based on Data Analysis. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.7	1
74	Transumbilical Single-Incision Laparoscopic Resection of Ileocecal Junction for Benign Disease: First Report of Two Cases. Surgical Innovation, 2011, 18, 189-192.	0.9	0
75	Response to Letter Regarding Article, "Signature MicroRNA Expression Profile of Essential Hypertension and Its Novel Link to Human Cytomegalovirus Infection", Circulation, 2012, 125, .	1.6	0
76	Long-term blood pressure outcomes of laparoscopic adrenalectomy in trHTN patients. Journal of Translational Internal Medicine, 2023, 11, 275-281.	2.5	0
77	Improving outcomes for older hypertensive patients: is more intensive treatment better?. Expert Review of Cardiovascular Therapy, 2022, , 1-13.	1.5	0