## Jun Tao

## List of Publications by Year in descending order

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		147801	155660
109	3,636	31	55
papers	citations	h-index	g-index
118	118	118	5928
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	A research agenda for ageing in China in the 21st century (2nd edition): Focusing on basic and translational research, long-term care, policy and social networks. Ageing Research Reviews, 2020, 64, 101174.	10.9	240
2	Associations of Short-Term and Long-Term Exposure to Ambient Air Pollutants With Hypertension. Hypertension, 2016, 68, 62-70.	2.7	239
3	High salt primes a specific activation state of macrophages, M(Na). Cell Research, 2015, 25, 893-910.	12.0	189
4	NAD+ augmentation restores mitophagy and limits accelerated aging in Werner syndrome. Nature Communications, 2019, 10, 5284.	12.8	165
5	Physical activation of innate immunity by spiky particles. Nature Nanotechnology, 2018, 13, 1078-1086.	31.5	158
6	Reduction of measurement noise in a continuous glucose monitor by coating the sensor with a zwitterionic polymer. Nature Biomedical Engineering, 2018, 2, 894-906.	22.5	150
7	Circular RNA CircMAP3K5 Acts as a MicroRNA-22-3p Sponge to Promote Resolution of Intimal Hyperplasia Via TET2-Mediated Smooth Muscle Cell Differentiation. Circulation, 2021, 143, 354-371.	1.6	110
8	Reduced arterial elasticity is associated with endothelial dysfunction in persons of advancing ageComparative study of noninvasive pulse wave analysis and laser Doppler blood flow measurement. American Journal of Hypertension, 2004, 17, 654-659.	2.0	86
9	Aortic plaque-targeted andrographolide delivery with oxidation-sensitive micelle effectively treats atherosclerosis via simultaneous ROS capture and anti-inflammation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2215-2226.	3.3	82
10	Microfluidic Fabrication of Colloidal Nanomaterials-Encapsulated Microcapsules for Biomolecular Sensing. Nano Letters, 2017, 17, 2015-2020.	9.1	78
11	Trimethylamine Nâ€oxide promotes apoE <sup>â^'/â^'</sup> mice atherosclerosis by inducing vascular endothelial cell pyroptosis via the SDHB/ROS pathway. Journal of Cellular Physiology, 2020, 235, 6582-6591.	4.1	78
12	FUNDC1 interacts with FBXL2 to govern mitochondrial integrity and cardiac function through an IP3R3-dependent manner in obesity. Science Advances, 2020, 6, .	10.3	77
13	Age-Related Decline in Reendothelialization Capacity of Human Endothelial Progenitor Cells Is Restored by Shear Stress. Hypertension, 2012, 59, 1225-1231.	2.7	74
14	Microglial mitophagy mitigates neuroinflammation in Alzheimer's disease. Neurochemistry International, 2019, 129, 104469.	3.8	72
15	CXCR4 gene transfer contributes to in vivo reendothelialization capacity of endothelial progenitor cells. Cardiovascular Research, 2010, 88, 462-470.	3.8	71
16	Role of endothelialâ€toâ€mesenchymal transition induced by TGFâ€Î²1 in transplant kidney interstitial fibrosis. Journal of Cellular and Molecular Medicine, 2017, 21, 2359-2369.	3.6	64
17	Mineralocorticoid Receptor Deficiency in Macrophages Inhibits Neointimal Hyperplasia and Suppresses Macrophage Inflammation Through SGK1-AP1/NF-κB Pathways. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 874-885.	2.4	63
18	Physical exercise attenuates ageâ€associated reduction in endotheliumâ€reparative capacity of endothelial progenitor cells by increasing CXCR4/JAKâ€2 signaling in healthy men. Aging Cell, 2012, 11, 111-119.	6.7	60

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19	Effect of Intensive Periodontal Therapy on Blood Pressure and Endothelial Microparticles in Patients With Prehypertension and Periodontitis: A Randomized Controlled Trial. Journal of Periodontology, 2017, 88, 711-722.	3.4	59
20	Inhibition of Mitochondrial Oxidative Damage Improves Reendothelialization Capacity of Endothelial Progenitor Cells via SIRT3 (Sirtuin 3)-Enhanced SOD2 (Superoxide Dismutase 2) Deacetylation in Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1682-1698.	2.4	58
21	Regular exercise-induced increased number and activity of circulating endothelial progenitor cells attenuates age-related decline in arterial elasticity in healthy men. International Journal of Cardiology, 2013, 165, 247-254.	1.7	56
22	Effects of Fluid Shear Stress on eNOS mRNA Expression and NO Production in Human Endothelial Progenitor Cells. Cardiology, 2006, 106, 82-88.	1.4	55
23	CXCR7 Upregulation Is Required for Early Endothelial Progenitor Cell–Mediated Endothelial Repair in Patients With Hypertension. Hypertension, 2014, 63, 383-389.	2.7	45
24	Intravenous Thrombolysis for Acute Ischemic Stroke in Patients Receiving Antiplatelet Therapy: A Systematic Review and Metaâ€analysis of 19 Studies. Journal of the American Heart Association, 2016, 5, .	3.7	45
25	Prognostic significance of spontaneous shockable rhythm conversion in adult out-of-hospital cardiac arrest patients with initial non-shockable heart rhythms: A systematic review and meta-analysis. Resuscitation, 2017, 121, 1-8.	3.0	43
26	Mitochondrial dysfunction-mediated decline in angiogenic capacity of endothelial progenitor cells is associated with capillary rarefaction in patients with hypertension via downregulation of CXCR4/JAK2/SIRT5 signaling. EBioMedicine, 2019, 42, 64-75.	6.1	43
27	Shear stress-induced activation of Tie2-dependent signaling pathway enhances reendothelialization capacity of early endothelial progenitor cells. Journal of Molecular and Cellular Cardiology, 2012, 52, 1155-1163.	1.9	42
28	Protection of Nanostructures-Integrated Microneedle Biosensor Using Dissolvable Polymer Coating. ACS Applied Materials & Dissolvable Polymer Coating.	8.0	42
29	25-Hydroxycholesterol impairs endothelial function and vasodilation by uncoupling and inhibiting endothelial nitric oxide synthase. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E781-E790.	3.5	36
30	Endothelial progenitor cells and hypertension: current concepts and future implications. Clinical Science, 2016, 130, 2029-2042.	4.3	36
31	Impaired Endothelial Repair Capacity of Early Endothelial Progenitor Cells in Hypertensive Patients With Primary Hyperaldosteronemia. Hypertension, 2016, 67, 430-439.	2.7	36
32	Declined circulating Elabela levels in patients with essential hypertension and its association with impaired vascular function: A preliminary study. Clinical and Experimental Hypertension, 2020, 42, 239-243.	1.3	35
33	Meta-analysis of safety and efficacy for direct oral anticoagulation treatment of non-valvular atrial fibrillation in relation to renal function. Thrombosis Research, 2017, 160, 41-50.	1.7	34
34	Double knockout of Akt2 and AMPK accentuates high fat diet-induced cardiac anomalies through a cGAS-STING-mediated mechanism. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165855.	3.8	33
35	Endothelial progenitor cells in cardiovascular diseases. Aging Medicine (Milton (N S W)), 2018, 1, 204-208.	2.1	32
36	SIRT5 and post-translational protein modifications: A potential therapeutic target for myocardial ischemia-reperfusion injury with regard to mitochondrial dynamics and oxidative metabolism. European Journal of Pharmacology, 2018, 818, 410-418.	3.5	31

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37	Voxel-Based Analysis of Fractional Anisotropy in Post-Stroke Apathy. PLoS ONE, 2015, 10, e116168.	2.5	28
38	Lacidipine improves endothelial repair capacity of endothelial progenitor cells from patients with essential hypertension. International Journal of Cardiology, 2013, 168, 3317-3326.	1.7	26
39	Biodegradable Therapeutic Microneedle Patch for Rapid Antihypertensive Treatment. ACS Applied Materials & Samp; Interfaces, 2019, 11, 30575-30584.	8.0	25
40	Inhibition of the ox-LDL-Induced Pyroptosis by FGF21 of Human Umbilical Vein Endothelial Cells Through the TET2-UQCRC1-ROS Pathway. DNA and Cell Biology, 2020, 39, 661-670.	1.9	25
41	Influence factors of serum fibrosis markers in liver fibrosis. World Journal of Gastroenterology, 2003, 9, 2497.	3.3	23
42	E2F1 Suppresses Oxidative Metabolism and Endothelial Differentiation of Bone Marrow Progenitor Cells. Circulation Research, 2018, 122, 701-711.	4.5	23
43	Ketogenic Diet Suppressed T-Regulatory Cells and Promoted Cardiac Fibrosis via Reducing Mitochondria-Associated Membranes and Inhibiting Mitochondrial Function. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	23
44	MiR-124–3p promotes trophoblast cell HTR-8/SVneo pyroptosis by targeting placental growth factor. Placenta, 2020, 101, 176-184.	1.5	22
45	BMP4/Id2 signaling pathway is a novel therapeutic target for late outgrowth endothelial progenitor cell-mediated endothelial injury repair. International Journal of Cardiology, 2017, 228, 796-804.	1.7	21
46	Berberine reduces endothelial injury and arterial stiffness in spontaneously hypertensive rats. Clinical and Experimental Hypertension, 2020, 42, 257-265.	1.3	21
47	Metformin Attenuates Cyclosporine A-induced Renal Fibrosis in Rats. Transplantation, 2019, 103, e285-e296.	1.0	20
48	Functionalized Spiky Particles for Intracellular Biomolecular Delivery. ACS Central Science, 2019, 5, 960-969.	11.3	19
49	Estrogenâ€related receptor γ regulates hepatic triglyceride metabolism through phospholipase A2 G12B. FASEB Journal, 2019, 33, 7942-7952.	0.5	19
50	Decabromodiphenyl ether (BDE-209) enhances foam cell formation in human macrophages via augmenting Toll-like receptor 4-dependent lipid uptake. Food and Chemical Toxicology, 2018, 121, 367-373.	3.6	18
51	Ndufs1 Deficiency Aggravates the Mitochondrial Membrane Potential Dysfunction in Pressure Overload-Induced Myocardial Hypertrophy. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-21.	4.0	18
52	Hypertension, Arterial Stiffness, and Clinical Outcomes: A Cohort Study of Chinese Community-Based Population. Hypertension, 2021, 78, 333-341.	2.7	18
53	Interaction Between microRNA and DNA Methylation in Atherosclerosis. DNA and Cell Biology, 2021, 40, 101-115.	1.9	17
54	Enhanced external counterpulsation improves endothelium-dependent vasorelaxation in the carotid arteries of hypercholesterolemic pigs. International Journal of Cardiology, 2006, 112, 269-274.	1.7	16

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55	PCSK9 mediates the oxidative lowâ€'density lipoproteinâ€'induced pyroptosis of vascularÂendothelialÂcells via the UQCRC1/ROS pathway. International Journal of Molecular Medicine, 2021, 47, .	4.0	16
56	Ablation of Akt2 and AMPK $\hat{1}\pm2$ rescues high fat diet-induced obesity and hepatic steatosis through Parkin-mediated mitophagy. Acta Pharmaceutica Sinica B, 2021, 11, 3508-3526.	12.0	16
57	Preferential extension of short telomeres induced by low extracellular pH. Nucleic Acids Research, 2016, 44, 8086-8096.	14.5	15
58	ZBTB20 Positively Regulates Oxidative Stress, Mitochondrial Fission, and Inflammatory Responses of ox-LDL-Induced Macrophages in Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	4.0	15
59	Influence of caspase-3 silencing on the proliferation and apoptosis of rat bone marrow mesenchymal stem cells under hypoxia. International Journal of Clinical and Experimental Medicine, 2015, 8, 1624-33.	1.3	15
60	Resting T cells are hypersensitive to DNA damage due to defective DNA repair pathway. Cell Death and Disease, 2018, 9, 662.	6.3	14
61	Mitochondrial Fission and Mitophagy Reciprocally Orchestrate Cardiac Fibroblasts Activation. Frontiers in Cell and Developmental Biology, 2020, 8, 629397.	3.7	14
62	Circulating senescent angiogenic T cells are linked with endothelial dysfunction and systemic inflammation in hypertension. Journal of Hypertension, 2021, 39, 970-978.	0.5	14
63	Egg consumption improves vascular and gut microbiota function without increasing inflammatory, metabolic, and oxidative stress markers. Food Science and Nutrition, 2022, 10, 295-304.	3.4	14
64	Neurocardiology: Cardiovascular Changes and Specific Brain Region Infarcts. BioMed Research International, 2017, 2017, 1-7.	1.9	13
65	Systemic microvascular rarefaction is correlated with dysfunction of late endothelial progenitor cells in mild hypertension: a substudy of EXCAVATION-CHN1. Journal of Translational Medicine, 2019, 17, 368.	4.4	13
66	Melatonin inhibits vascular endothelial cell pyroptosis by improving mitochondrial function via up-regulation and demethylation of UQCRC1. Biochemistry and Cell Biology, 2021, 99, 339-347.	2.0	13
67	Decarbromodiphenyl ether (BDE-209) promotes monocyte–endothelial adhesion in cultured human aortic endothelial cells through upregulating intercellular adhesion molecule-1. Environmental Research, 2019, 169, 62-71.	7.5	12
68	Progress of clinical evaluation for vascular aging in humans. Journal of Translational Internal Medicine, 2021, 9, 17-23.	2.5	12
69	Erysipelothrix rhusiopathiae-induced aortic valve endocarditis: case report and literature review. International Journal of Clinical and Experimental Medicine, 2015, 8, 730-6.	1.3	12
70	The challenges and optimization of cell-based therapy for cardiovascular disease. Journal of Translational Internal Medicine, 2021, 9, 234-238.	2.5	12
71	CXCR7/p-ERK-Signaling Is a Novel Target for Therapeutic Vasculogenesis in Patients with Coronary Artery Disease. PLoS ONE, 2016, 11, e0161255.	2.5	11
72	Polymeric Vector-Mediated Targeted Delivery of Anti-PAK1 siRNA to Macrophages for Efficient Atherosclerosis Treatment. ACS Biomaterials Science and Engineering, 2019, 5, 4455-4462.	5.2	11

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73	Chronic remote ischemic preconditioning-induced increase of circulating hSDF- $1\hat{l}\pm$ level and its relation with reduction of blood pressure and protection endothelial function in hypertension. Journal of Human Hypertension, 2019, 33, 856-862.	2.2	11
74	Efficacy and Mechanism of Preoperative Simvastatin Therapy on Myocardial Protection after Extracorporeal Circulation. BioMed Research International, 2017, 2017, 1-8.	1.9	10
75	Expert consensus on clinical assessment and intervention of vascular aging in China (2018). Aging Medicine (Milton (N S W)), 2018, 1, 228-237.	2.1	10
76	Promotion of Aerobic Exercise Induced Angiogenesis Is Associated With Decline in Blood Pressure in Hypertension. Hypertension, 2021, 77, 1141-1153.	2.7	10
77	Association of enhanced circulating trimethylamine Nâ€oxide with vascular endothelial dysfunction in periodontitis patients. Journal of Periodontology, 2022, 93, 770-779.	3.4	10
78	Trimethylamine-N-oxide-stimulated hepatocyte-derived exosomes promote inflammation and endothelial dysfunction through nuclear factor-kappa B signaling. Annals of Translational Medicine, 2021, 9, 1670-1670.	1.7	10
79	TMAO-Activated Hepatocyte-Derived Exosomes Impair Angiogenesis via Repressing CXCR4. Frontiers in Cell and Developmental Biology, 2021, 9, 804049.	3.7	10
80	Slippery surface based on lubricant infused hierarchical silicon nanowire film. RSC Advances, 2017, 7, 55812-55818.	3.6	9
81	Biatrial versus Isolated Left Atrial Ablation in Atrial Fibrillation: A Systematic Review and Meta-Analysis. BioMed Research International, 2018, 2018, 1-14.	1.9	9
82	Allisartan Isoproxil Improves Endothelial Function and Vascular Damage in Patients with Essential Hypertension: A Single-Center, Open-Label, Randomized Controlled Trial. Advances in Therapy, 2020, 37, 3551-3561.	2.9	9
83	Prognostic value of ISG15 mRNA level in drinkers with esophageal squamous cell cancers. International Journal of Clinical and Experimental Pathology, 2015, 8, 10975-84.	0.5	9
84	Berberine Improves Vascular Dysfunction by Inhibiting Trimethylamine-N-oxide via Regulating the Gut Microbiota in Angiotensin II-Induced Hypertensive Mice. Frontiers in Microbiology, 2022, 13, 814855.	3.5	9
85	Application and Progress of Combined Mesenchymal Stem Cell Transplantation in the Treatment of Ischemic Cardiomyopathy. BioMed Research International, 2015, 2015, 1-6.	1.9	8
86	Targeting on the NAD <sup>+</sup> â€mitophagy axis to treat cardiovascular disease. Aging Medicine (Milton (N S W)), 2020, 3, 151-152.	2.1	7
87	High glucose condition inhibits trophoblast proliferation, migration and invasion by downregulating placental growth factor expression. Journal of Obstetrics and Gynaecology Research, 2020, 46, 1690-1701.	1.3	7
88	TiO <sub>2</sub> nanowire-templated hierarchical nanowire network as water-repelling coating. Royal Society Open Science, 2017, 4, 171431.	2.4	6
89	Safety and efficacy of the perioperative administration of recombinant human brain natriuretic peptide (rhBNP): a systematic review and meta-analysis. Therapeutics and Clinical Risk Management, 2018, Volume 14, 313-321.	2.0	6
90	Critical Roles of ELVOL4 and IL-33 in the Progression of Obesity-Related Cardiomyopathy via Integrated Bioinformatics Analysis. Frontiers in Physiology, 2020, 11, 542.	2.8	6

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91	A Multi-Center, Open-Label, Two-Arm Parallel Group Non-inferiority Randomized Controlled Trial Evaluating the Effect of Pitavastatin, Compared to Atorvastatin, on Glucose Metabolism in Prediabetics with Hypertension and Dyslipidemia: Rationale and Design for the China Hemoglobin A1c Metabolism Protection Union Study (CAMPUS). Cardiovascular Drugs and Therapy, 2018, 32, 581-589.	2.6	5
92	Neck-to-height ratio and arterial stiffness in Chinese adults: cross-sectional associations in a community-based cohort. Journal of Hypertension, 2021, 39, 1195-1202.	0.5	4
93	Berberine-Promoted CXCR4 Expression Accelerates Endothelial Repair Capacity of Early Endothelial Progenitor Cells in Persons with Prehypertension. Chinese Journal of Integrative Medicine, 2018, 24, 897-904.	1.6	3
94	Cell transplantation into ischemic myocardium using mesenchymal stem cells transfected by vascular endothelial growth factor. International Journal of Clinical and Experimental Pathology, 2014, 7, 7782-8.	0.5	3
95	The role of ACEIs/ARBs in COVID-19: Friend or foe?. Medical Hypotheses, 2020, 142, 109810.	1.5	2
96	Factors Affecting the Re-Endothelialization of Endothelial Progenitor Cell. DNA and Cell Biology, 2021, 40, 1009-1025.	1.9	2
97	Endurance Capacity Is Not Correlated with Endothelial Function in Male University Students. PLoS ONE, 2014, 9, e103814.	2.5	2
98	Novel update of interventional strategies of vascular aging in humans. Aging Medicine (Milton (N S) Tj ETQq0 (	0 0 rgBT /O	verlock 10 Tf !
99	PGC-1α gene transfer restores adhesion and reendothelialization of endothelial progenitor cells from patients with hypertension. Journal of Human Hypertension, 2020, 35, 510-516.	2.2	1
100	Xinkeshu Improves Endothelial Function and Augments Reendothelialization Capacity in Coronary Artery Disease with Anxiety/Depression. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-14.	4.0	1
101	Association of renal cyst and type A acute aortic dissection with hypertension. Journal of Thoracic Disease, 2020, 12, 7374-7386.	1.4	1
102	All disease stems from vessels. Aging Medicine (Milton (N S W)), 2020, 3, 224-225.	2.1	1
103	Flexible Tongue Electrode Array System for In Vivo Mapping of Electrical Signals of Taste Sensation. ACS Sensors, 2021, 6, 4108-4117.	7.8	1
104	Red blood cell distribution width and maximum left ventricular wall thickness predict poor outcomes in patients with hypertrophic cardiomyopathy. Echocardiography, 2022, 39, 278-285.	0.9	1
105	Non-invasive Systemic Hemodynamic Index in Vascular Risk Stratification Tailored for Hypertensives. Frontiers in Cardiovascular Medicine, 2021, 8, 744349.	2.4	1
106	Efficacy of Statin Therapy Related to Baseline Renal Function in Patients with Rheumatic Heart Disease Undergoing Cardiac Surgery. BioMed Research International, 2018, 2018, 1-8.	1.9	0
107	Response Letter to Letter by Venu Jonnalagadda. Cardiovascular Drugs and Therapy, 2019, 33, 765-766.	2.6	0
108	In vivo adaptive response of the peripheral conduit artery in patients with borderline systolic hypertension. Chinese Medical Journal, 2003, 116, 333-6.	2.3	0

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109	Changes in echocardiographic parameters of the donor's heart before and after heart transplantation and their relationship with post-transplant survival. Annals of Translational Medicine, 2022, 10, 280-280.	1.7	0