

# Jun Tao

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

3,636  
citations

168829

31  
h-index

175968

55  
g-index

118  
all docs

118  
docs citations

118  
times ranked

6456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of enhanced circulating trimethylamine N-oxide with vascular endothelial dysfunction in periodontitis patients. <i>Journal of Periodontology</i> , 2022, 93, 770-779.	1.7	10
2	Egg consumption improves vascular and gut microbiota function without increasing inflammatory, metabolic, and oxidative stress markers. <i>Food Science and Nutrition</i> , 2022, 10, 295-304.	1.5	14
3	Red blood cell distribution width and maximum left ventricular wall thickness predict poor outcomes in patients with hypertrophic cardiomyopathy. <i>Echocardiography</i> , 2022, 39, 278-285.	0.3	1
4	Changes in echocardiographic parameters of the donor's heart before and after heart transplantation and their relationship with post-transplant survival. <i>Annals of Translational Medicine</i> , 2022, 10, 280-280.	0.7	0
5	Berberine Improves Vascular Dysfunction by Inhibiting Trimethylamine-N-oxide via Regulating the Gut Microbiota in Angiotensin II-Induced Hypertensive Mice. <i>Frontiers in Microbiology</i> , 2022, 13, 814855.	1.5	9
6	Circular RNA CircMAP3K5 Acts as a MicroRNA-22-3p Sponge to Promote Resolution of Intimal Hyperplasia Via TET2-Mediated Smooth Muscle Cell Differentiation. <i>Circulation</i> , 2021, 143, 354-371.	1.6	110
7	Interaction Between microRNA and DNA Methylation in Atherosclerosis. <i>DNA and Cell Biology</i> , 2021, 40, 101-115.	0.9	17
8	Progress of clinical evaluation for vascular aging in humans. <i>Journal of Translational Internal Medicine</i> , 2021, 9, 17-23.	1.0	12
9	PCSK9 mediates the oxidative low-density lipoprotein-induced pyroptosis of vascular endothelial cells via the UQCRC1/ROS pathway. <i>International Journal of Molecular Medicine</i> , 2021, 47, .	1.8	16
10	Ndufs1 Deficiency Aggravates the Mitochondrial Membrane Potential Dysfunction in Pressure Overload-Induced Myocardial Hypertrophy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-21.	1.9	18
11	ZBTB20 Positively Regulates Oxidative Stress, Mitochondrial Fission, and Inflammatory Responses of ox-LDL-Induced Macrophages in Atherosclerosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	15
12	Promotion of Aerobic Exercise Induced Angiogenesis Is Associated With Decline in Blood Pressure in Hypertension. <i>Hypertension</i> , 2021, 77, 1141-1153.	1.3	10
13	Ketogenic Diet Suppressed T-Regulatory Cells and Promoted Cardiac Fibrosis via Reducing Mitochondria-Associated Membranes and Inhibiting Mitochondrial Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	23
14	Melatonin inhibits vascular endothelial cell pyroptosis by improving mitochondrial function via up-regulation and demethylation of UQCRC1. <i>Biochemistry and Cell Biology</i> , 2021, 99, 339-347.	0.9	13
15	Factors Affecting the Re-Endothelialization of Endothelial Progenitor Cell. <i>DNA and Cell Biology</i> , 2021, 40, 1009-1025.	0.9	2
16	Ablation of Akt2 and AMPK $\beta$ 2 rescues high fat diet-induced obesity and hepatic steatosis through Parkin-mediated mitophagy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3508-3526.	5.7	16
17	Xinkeshu Improves Endothelial Function and Augments Reendothelialization Capacity in Coronary Artery Disease with Anxiety/Depression. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	1
18	Hypertension, Arterial Stiffness, and Clinical Outcomes: A Cohort Study of Chinese Community-Based Population. <i>Hypertension</i> , 2021, 78, 333-341.	1.3	18

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19	Circulating senescent angiogenic T cells are linked with endothelial dysfunction and systemic inflammation in hypertension. <i>Journal of Hypertension</i> , 2021, 39, 970-978.	0.3	14
20	Neck-to-height ratio and arterial stiffness in Chinese adults: cross-sectional associations in a community-based cohort. <i>Journal of Hypertension</i> , 2021, 39, 1195-1202.	0.3	4
21	Trimethylamine-N-oxide-stimulated hepatocyte-derived exosomes promote inflammation and endothelial dysfunction through nuclear factor-kappa B signaling. <i>Annals of Translational Medicine</i> , 2021, 9, 1670-1670.	0.7	10
22	Flexible Tongue Electrode Array System for In Vivo Mapping of Electrical Signals of Taste Sensation. <i>ACS Sensors</i> , 2021, 6, 4108-4117.	4.0	1
23	TMAO-Activated Hepatocyte-Derived Exosomes Impair Angiogenesis via Repressing CXCR4. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 804049.	1.8	10
24	Non-invasive Systemic Hemodynamic Index in Vascular Risk Stratification Tailored for Hypertensives. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 744349.	1.1	1
25	The challenges and optimization of cell-based therapy for cardiovascular disease. <i>Journal of Translational Internal Medicine</i> , 2021, 9, 234-238.	1.0	12
26	Berberine reduces endothelial injury and arterial stiffness in spontaneously hypertensive rats. <i>Clinical and Experimental Hypertension</i> , 2020, 42, 257-265.	0.5	21
27	Declined circulating Elabela levels in patients with essential hypertension and its association with impaired vascular function: A preliminary study. <i>Clinical and Experimental Hypertension</i> , 2020, 42, 239-243.	0.5	35
28	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. <i>Ageing Research Reviews</i> , 2020, 64, 101174.	5.0	240
29	MiR-124 <sup>3p</sup> promotes trophoblast cell HTR-8/SVneo pyroptosis by targeting placental growth factor. <i>Placenta</i> , 2020, 101, 176-184.	0.7	22
30	Targeting on the NAD <sup>+</sup> â€mitophagy axis to treat cardiovascular disease. <i>Aging Medicine (Milton (N S W))</i> , 2020, 3, 151-152.	0.9	7
31	Novel update of interventional strategies of vascular aging in humans. <i>Aging Medicine (Milton (N S) Tj ETQq1 1 0.784314 rgBT /Overl</i>	0.9	1
32	FUNDC1 interacts with FBXL2 to govern mitochondrial integrity and cardiac function through an IP3R3-dependent manner in obesity. <i>Science Advances</i> , 2020, 6, .	4.7	77
33	The role of ACEIs/ARBs in COVID-19: Friend or foe?. <i>Medical Hypotheses</i> , 2020, 142, 109810.	0.8	2
34	PGC-1 $\beta$ gene transfer restores adhesion and reendothelialization of endothelial progenitor cells from patients with hypertension. <i>Journal of Human Hypertension</i> , 2020, 35, 510-516.	1.0	1
35	Double knockout of Akt2 and AMPK accentuates high fat diet-induced cardiac anomalies through a cGAS-STING-mediated mechanism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165855.	1.8	33
36	High glucose condition inhibits trophoblast proliferation, migration and invasion by downregulating placental growth factor expression. <i>Journal of Obstetrics and Gynaecology Research</i> , 2020, 46, 1690-1701.	0.6	7

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37	Critical Roles of ELVOL4 and IL-33 in the Progression of Obesity-Related Cardiomyopathy via Integrated Bioinformatics Analysis. <i>Frontiers in Physiology</i> , 2020, 11, 542.	1.3	6
38	Allisartan Isoproxil Improves Endothelial Function and Vascular Damage in Patients with Essential Hypertension: A Single-Center, Open-Label, Randomized Controlled Trial. <i>Advances in Therapy</i> , 2020, 37, 3551-3561.	1.3	9
39	Inhibition of the ox-LDL-Induced Pyroptosis by FGF21 of Human Umbilical Vein Endothelial Cells Through the TET2-UQCRC1-ROS Pathway. <i>DNA and Cell Biology</i> , 2020, 39, 661-670.	0.9	25
40	Trimethylamine N-oxide promotes apoE <sup>-/-</sup> mice atherosclerosis by inducing vascular endothelial cell pyroptosis via the SDHB/ROS pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 6582-6591.	2.0	78
41	Mitochondrial Fission and Mitophagy Reciprocally Orchestrate Cardiac Fibroblasts Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 629397.	1.8	14
42	Association of renal cyst and type A acute aortic dissection with hypertension. <i>Journal of Thoracic Disease</i> , 2020, 12, 7374-7386.	0.6	1
43	All disease stems from vessels. <i>Aging Medicine (Milton (N S W))</i> , 2020, 3, 224-225.	0.9	1
44	Response Letter to Letter by Venu Jonnalagadda. <i>Cardiovascular Drugs and Therapy</i> , 2019, 33, 765-766.	1.3	0
45	Biodegradable Therapeutic Microneedle Patch for Rapid Antihypertensive Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30575-30584.	4.0	25
46	Polymeric Vector-Mediated Targeted Delivery of Anti-PAK1 siRNA to Macrophages for Efficient Atherosclerosis Treatment. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4455-4462.	2.6	11
47	Protection of Nanostructures-Integrated Microneedle Biosensor Using Dissolvable Polymer Coating. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4809-4819.	4.0	42
48	Functionalized Spiky Particles for Intracellular Biomolecular Delivery. <i>ACS Central Science</i> , 2019, 5, 960-969.	5.3	19
49	Inhibition of Mitochondrial Oxidative Damage Improves Reendothelialization Capacity of Endothelial Progenitor Cells via SIRT3 (Sirtuin 3)-Enhanced SOD2 (Superoxide Dismutase 2) Deacetylation in Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1682-1698.	1.1	58
50	Microglial mitophagy mitigates neuroinflammation in Alzheimer's disease. <i>Neurochemistry International</i> , 2019, 129, 104469.	1.9	72
51	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. <i>EBioMedicine</i> , 2019, 42, 64-75.	2.7	43
52	Estrogen-related receptor $\beta$ regulates hepatic triglyceride metabolism through phospholipase A2 G12B. <i>FASEB Journal</i> , 2019, 33, 7942-7952.	0.2	19
53	NAD <sup>+</sup> augmentation restores mitophagy and limits accelerated aging in Werner syndrome. <i>Nature Communications</i> , 2019, 10, 5284.	5.8	165
54	Systemic microvascular rarefaction is correlated with dysfunction of late endothelial progenitor cells in mild hypertension: a substudy of EXCAVATION-CHN1. <i>Journal of Translational Medicine</i> , 2019, 17, 368.	1.8	13

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55	Metformin Attenuates Cyclosporine A-induced Renal Fibrosis in Rats. <i>Transplantation</i> , 2019, 103, e285-e296.	0.5	20
56	Decarbromodiphenyl ether (BDE-209) promotes monocyte endothelial adhesion in cultured human aortic endothelial cells through upregulating intercellular adhesion molecule-1. <i>Environmental Research</i> , 2019, 169, 62-71.	3.7	12
57	Chronic remote ischemic preconditioning-induced increase of circulating hSDF-1 $\beta$ level and its relation with reduction of blood pressure and protection endothelial function in hypertension. <i>Journal of Human Hypertension</i> , 2019, 33, 856-862.	1.0	11
58	E2F1 Suppresses Oxidative Metabolism and Endothelial Differentiation of Bone Marrow Progenitor Cells. <i>Circulation Research</i> , 2018, 122, 701-711.	2.0	23
59	SIRT5 and post-translational protein modifications: A potential therapeutic target for myocardial ischemia-reperfusion injury with regard to mitochondrial dynamics and oxidative metabolism. <i>European Journal of Pharmacology</i> , 2018, 818, 410-418.	1.7	31
60	Expert consensus on clinical assessment and intervention of vascular aging in China (2018). <i>Aging Medicine (Milton (N S W))</i> , 2018, 1, 228-237.	0.9	10
61	Decabromodiphenyl ether (BDE-209) enhances foam cell formation in human macrophages via augmenting Toll-like receptor 4-dependent lipid uptake. <i>Food and Chemical Toxicology</i> , 2018, 121, 367-373.	1.8	18
62	Endothelial progenitor cells in cardiovascular diseases. <i>Aging Medicine (Milton (N S W))</i> , 2018, 1, 204-208.	0.9	32
63	Berberine-Promoted CXCR4 Expression Accelerates Endothelial Repair Capacity of Early Endothelial Progenitor Cells in Persons with Prehypertension. <i>Chinese Journal of Integrative Medicine</i> , 2018, 24, 897-904.	0.7	3
64	Physical activation of innate immunity by spiky particles. <i>Nature Nanotechnology</i> , 2018, 13, 1078-1086.	15.6	158
65	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). <i>Cardiovascular Drugs and Therapy</i> , 2018, 32, 581-589.	1.3	5
66	Resting T cells are hypersensitive to DNA damage due to defective DNA repair pathway. <i>Cell Death and Disease</i> , 2018, 9, 662.	2.7	14
67	Aortic plaque-targeted andrographolide delivery with oxidation-sensitive micelle effectively treats atherosclerosis via simultaneous ROS capture and anti-inflammation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2215-2226.	1.7	82
68	Efficacy of Statin Therapy Related to Baseline Renal Function in Patients with Rheumatic Heart Disease Undergoing Cardiac Surgery. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	0
69	Biatial versus Isolated Left Atrial Ablation in Atrial Fibrillation: A Systematic Review and Meta-Analysis. <i>BioMed Research International</i> , 2018, 2018, 1-14.	0.9	9
70	Reduction of measurement noise in a continuous glucose monitor by coating the sensor with a zwitterionic polymer. <i>Nature Biomedical Engineering</i> , 2018, 2, 894-906.	11.6	150
71	Safety and efficacy of the perioperative administration of recombinant human brain natriuretic peptide (rhBNP): a systematic review and meta-analysis. <i>Therapeutics and Clinical Risk Management</i> , 2018, Volume 14, 313-321.	0.9	6
72	Microfluidic Fabrication of Colloidal Nanomaterials-Encapsulated Microcapsules for Biomolecular Sensing. <i>Nano Letters</i> , 2017, 17, 2015-2020.	4.5	78

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73	Effect of Intensive Periodontal Therapy on Blood Pressure and Endothelial Microparticles in Patients With Prehypertension and Periodontitis: A Randomized Controlled Trial. <i>Journal of Periodontology</i> , 2017, 88, 711-722.	1.7	59
74	Role of endothelial-to-mesenchymal transition induced by TGF $\beta$ 1 in transplant kidney interstitial fibrosis. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2359-2369.	1.6	64
75	BMP4/Id2 signaling pathway is a novel therapeutic target for late outgrowth endothelial progenitor cell-mediated endothelial injury repair. <i>International Journal of Cardiology</i> , 2017, 228, 796-804.	0.8	21
76	Meta-analysis of safety and efficacy for direct oral anticoagulation treatment of non-valvular atrial fibrillation in relation to renal function. <i>Thrombosis Research</i> , 2017, 160, 41-50.	0.8	34
77	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. <i>Resuscitation</i> , 2017, 121, 1-8.	1.3	43
78	Slippery surface based on lubricant infused hierarchical silicon nanowire film. <i>RSC Advances</i> , 2017, 7, 55812-55818.	1.7	9
79	TiO <sub>2</sub> nanowire-templated hierarchical nanowire network as water-repelling coating. <i>Royal Society Open Science</i> , 2017, 4, 171431.	1.1	6
80	Neurocardiology: Cardiovascular Changes and Specific Brain Region Infarcts. <i>BioMed Research International</i> , 2017, 2017, 1-7.	0.9	13
81	Efficacy and Mechanism of Preoperative Simvastatin Therapy on Myocardial Protection after Extracorporeal Circulation. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	10
82	CXCR7/p-ERK-Signaling Is a Novel Target for Therapeutic Vasculogenesis in Patients with Coronary Artery Disease. <i>PLoS ONE</i> , 2016, 11, e0161255.	1.1	11
83	25-Hydroxycholesterol impairs endothelial function and vasodilation by uncoupling and inhibiting endothelial nitric oxide synthase. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E781-E790.	1.8	36
84	Preferential extension of short telomeres induced by low extracellular pH. <i>Nucleic Acids Research</i> , 2016, 44, 8086-8096.	6.5	15
85	Intravenous Thrombolysis for Acute Ischemic Stroke in Patients Receiving Antiplatelet Therapy: A Systematic Review and Meta-analysis of 19 Studies. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	45
86	Endothelial progenitor cells and hypertension: current concepts and future implications. <i>Clinical Science</i> , 2016, 130, 2029-2042.	1.8	36
87	Associations of Short-Term and Long-Term Exposure to Ambient Air Pollutants With Hypertension. <i>Hypertension</i> , 2016, 68, 62-70.	1.3	239
88	Mineralocorticoid Receptor Deficiency in Macrophages Inhibits Neointimal Hyperplasia and Suppresses Macrophage Inflammation Through SGK1-AP1/NF- $\kappa$ B Pathways. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 874-885.	1.1	63
89	Impaired Endothelial Repair Capacity of Early Endothelial Progenitor Cells in Hypertensive Patients With Primary Hyperaldosteronemia. <i>Hypertension</i> , 2016, 67, 430-439.	1.3	36
90	Application and Progress of Combined Mesenchymal Stem Cell Transplantation in the Treatment of Ischemic Cardiomyopathy. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	8

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91	High salt primes a specific activation state of macrophages, M(Na). <i>Cell Research</i> , 2015, 25, 893-910.	5.7	189
92	Voxel-Based Analysis of Fractional Anisotropy in Post-Stroke Apathy. <i>PLoS ONE</i> , 2015, 10, e116168.	1.1	28
93	<i>Erysipelothrix rhusiopathiae</i> -induced aortic valve endocarditis: case report and literature review. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 730-6.	1.3	12
94	Influence of caspase-3 silencing on the proliferation and apoptosis of rat bone marrow mesenchymal stem cells under hypoxia. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1624-33.	1.3	15
95	Prognostic value of ISG15 mRNA level in drinkers with esophageal squamous cell cancers. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 10975-84.	0.5	9
96	CXCR7 Upregulation Is Required for Early Endothelial Progenitor Cell-Mediated Endothelial Repair in Patients With Hypertension. <i>Hypertension</i> , 2014, 63, 383-389.	1.3	45
97	Endurance Capacity Is Not Correlated with Endothelial Function in Male University Students. <i>PLoS ONE</i> , 2014, 9, e103814.	1.1	2
98	Cell transplantation into ischemic myocardium using mesenchymal stem cells transfected by vascular endothelial growth factor. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 7782-8.	0.5	3
99	Regular exercise-induced increased number and activity of circulating endothelial progenitor cells attenuates age-related decline in arterial elasticity in healthy men. <i>International Journal of Cardiology</i> , 2013, 165, 247-254.	0.8	56
100	Lacidipine improves endothelial repair capacity of endothelial progenitor cells from patients with essential hypertension. <i>International Journal of Cardiology</i> , 2013, 168, 3317-3326.	0.8	26
101	Age-Related Decline in Reendothelialization Capacity of Human Endothelial Progenitor Cells Is Restored by Shear Stress. <i>Hypertension</i> , 2012, 59, 1225-1231.	1.3	74
102	Shear stress-induced activation of Tie2-dependent signaling pathway enhances reendothelialization capacity of early endothelial progenitor cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 1155-1163.	0.9	42
103	Physical exercise attenuates age-associated reduction in endothelium-reparative capacity of endothelial progenitor cells by increasing CXCR4/JAK2 signaling in healthy men. <i>Aging Cell</i> , 2012, 11, 111-119.	3.0	60
104	CXCR4 gene transfer contributes to in vivo reendothelialization capacity of endothelial progenitor cells. <i>Cardiovascular Research</i> , 2010, 88, 462-470.	1.8	71
105	Enhanced external counterpulsation improves endothelium-dependent vasorelaxation in the carotid arteries of hypercholesterolemic pigs. <i>International Journal of Cardiology</i> , 2006, 112, 269-274.	0.8	16
106	Effects of Fluid Shear Stress on eNOS mRNA Expression and NO Production in Human Endothelial Progenitor Cells. <i>Cardiology</i> , 2006, 106, 82-88.	0.6	55
107	Reduced arterial elasticity is associated with endothelial dysfunction in persons of advancing age Comparative study of noninvasive pulse wave analysis and laser Doppler blood flow measurement. <i>American Journal of Hypertension</i> , 2004, 17, 654-659.	1.0	86
108	Influence factors of serum fibrosis markers in liver fibrosis. <i>World Journal of Gastroenterology</i> , 2003, 9, 2497.	1.4	23

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109	In vivo adaptive response of the peripheral conduit artery in patients with borderline systolic hypertension. Chinese Medical Journal, 2003, 116, 333-6.	0.9	0