Tao Yang

List of Publications by Citations

72 papers	2,864 citations	24 h-index	53 g-index
90 ext. papers	3,792 ext. citations	6.3 avg, IF	5.16 L-index

#	Paper	IF	Citations
72	Gut dysbiosis is linked to hypertension. *Hypertension*, **2015**, 65, 1331-40	8.5	716
71	Hypertension-Linked Pathophysiological Alterations in the Gut. *Circulation Research*, **2017**, 120, 312-323	15.7	247
70	The gut microbiota and the brain-gut-kidney axis in hypertension and chronic kidney disease. *Nature Reviews Nephrology*, **2018**, 14, 442-456	14.9	199
69	Replacement by homologous recombination of the minK gene with lacZ reveals restriction of minK expression to the mouse cardiac conduction system. *Circulation Research*, **1999**, 84, 146-52	15.7	170
68	Learning deficits, but normal development and tumor predisposition, in mice lacking exon 23a of Nf1. *Nature Genetics*, **2001**, 27, 399-405	36.3	156
67	EGFR-TKI down-regulates PD-L1 in EGFR mutant NSCLC through inhibiting NF-B. *Biochemical and Biophysical Research Communications*, **2015**, 463, 95-101	3.4	104
66	Critical Role of the Interaction Gut Microbiota - Sympathetic Nervous System in the Regulation of Blood Pressure. *Frontiers in Physiology*, **2019**, 10, 231	4.6	89
65	SIGNR3-dependent immune regulation by Lactobacillus acidophilus surface layer protein A in colitis. *EMBO Journal*, **2015**, 34, 881-95	13	77
64	Microbiota impact on the epigenetic regulation of colorectal cancer. *Trends in Molecular Medicine*, **2013**, 19, 714-25	11.5	71
63	Probiotics Prevent Dysbiosis and the Rise in Blood Pressure in Genetic Hypertension: Role of Short-Chain Fatty Acids. *Molecular Nutrition and Food Research*, **2020**, 64, e1900616	5.9	53
62	Microglial Cells Impact Gut Microbiota and Gut Pathology in Angiotensin II-Induced Hypertension. *Circulation Research*, **2019**, 124, 727-736	15.7	52
61	Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. *Acta Physiologica*, **2019**, 227, e13285	5.6	50
60	Epithelial CaSR deficiency alters intestinal integrity and promotes proinflammatory immune responses. *FEBS Letters*, **2014**, 588, 4158-66	3.8	50
59	Androgenic Effects on Ventricular Repolarization: A Translational Study From the International Pharmacovigilance Database to iPSC-Cardiomyocytes. *Circulation*, **2019**, 140, 1070-1080	16.7	49
58	Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. *Circulation Research*, **2019**, 125, 104-116	15.7	47
57	Gnotobiotic Rats Reveal That Gut Microbiota Regulates Colonic mRNA of , the Receptor for SARS-CoV-2 Infectivity. *Hypertension*, **2020**, 76, e1-e3	8.5	42
56	Activation of TRPV1 attenuates high salt-induced cardiac hypertrophy through improvement of mitochondrial function. *British Journal of Pharmacology*, **2015**, 172, 5548-58	8.6	41

55	Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. *Acta Physiologica*, **2019**, 226, e13256	5.6	41
54	Sustained Captopril-Induced Reduction in Blood Pressure Is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rat. *Journal of the American Heart Association*, **2019**, 8, e010721	6	37
53	Gut-Brain Axis in Regulation of Blood Pressure. *Frontiers in Physiology*, **2017**, 8, 845	4.6	33
52	Maternal Treatment With Captopril Persistently Alters Gut-Brain Communication and Attenuates Hypertension of Male Offspring. *Hypertension*, **2020**, 75, 1315-1324	8.5	29
51	Targeting aberrant colon cancer-specific DNA methylation with lipoteichoic acid-deficient Lactobacillus acidophilus. *Gut Microbes*, **2013**, 4, 84-8	8.8	29
50	Analysis of murine Snrpn and human SNRPN gene imprinting in transgenic mice. *Mammalian Genome*, **1999**, 10, 549-55	3.2	28
49	Acetylation of histone deacetylase 1 regulates NuRD corepressor complex activity. *Journal of Biological Chemistry*, **2012**, 287, 40279-91	5.4	25
48	Activation of TRPV4 by dietary apigenin antagonizes renal fibrosis in deoxycorticosterone acetate (DOCA)-salt-induced hypertension. *Clinical Science*, **2017**, 131, 567-581	6.5	24
47	Gastrointestinal intervention ameliorates high blood pressure through antagonizing overdrive of the sympathetic nerve in hypertensive patients and rats. *Journal of the American Heart Association*, **2014**, 3, e000929	6	24
46	In vivo pharmacokinetic/pharmacodynamic profiles of valnemulin in an experimental intratracheal Mycoplasma gallisepticum infection model. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 3754-60	5.9	21
45	Increased Abundance of Lactobacillales in the Colon of Beta-Adrenergic Receptor Knock Out Mouse Is Associated With Increased Gut Bacterial Production of Short Chain Fatty Acids and Reduced IL17 Expression in Circulating CD4 Immune Cells. *Frontiers in Physiology*, **2018**, 9, 1593	4.6	20
44	Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. *Physiological Reports*, **2018**, 6, e13732	2.6	19
43	Microbiota Introduced to Germ-Free Rats Restores Vascular Contractility and Blood Pressure. *Hypertension*, **2020**, 76, 1847-1855	8.5	19
42	Estradiol Protects Against Acidosis-Mediated and Ischemic Neuronal Injury by Promoting ASIC1a (Acid-Sensing Ion Channel 1a) Protein Degradation. *Stroke*, **2019**, 50, 2902-2911	6.7	18
41	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. *Frontiers in Physiology*, **2017**, 8, 220	4.6	18
40	Gut Pathology and Its Rescue by ACE2 (Angiotensin-Converting Enzyme 2) in Hypoxia-Induced Pulmonary Hypertension. *Hypertension*, **2020**, 76, 206-216	8.5	17
39	Caffeine intake antagonizes salt sensitive hypertension through improvement of renal sodium handling. *Scientific Reports*, **2016**, 6, 25746	4.9	17
38	Antihypertensive effects of exercise involve reshaping of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rat. *Gut Microbes*, **2021**, 13, 1-24	8.8	17

37	Probiotic Bifidobacterium breve prevents DOCA-salt hypertension. *FASEB Journal*, **2020**, 34, 13626-13640	0.9	17
36	Transcriptomic signature of gut microbiome-contacting cells in colon of spontaneously hypertensive rats. *Physiological Genomics*, **2020**, 52, 121-132	3.6	16
35	Pharmacokinetic/Pharmacodynamic Profiles of Tiamulin in an Experimental Intratracheal Infection Model of Mycoplasma gallisepticum. *Frontiers in Veterinary Science*, **2016**, 3, 75	3.1	16
34	New insights into gastrointestinal anthrax infection. *Trends in Molecular Medicine*, **2015**, 21, 154-63	11.5	15
33	Metabolites and Hypertension: Insights into Hypertension as a Metabolic Disorder: 2019 Harriet Dustan Award. *Hypertension*, **2020**, 75, 1386-1396	8.5	14
32	Gastrointestinal dysbiosis following diethylhexyl phthalate exposure in zebrafish (Danio rerio): Altered microbial diversity, functionality, and network connectivity. *Environmental Pollution*, **2020**, 265, 114496	9.3	13
31	6B.07. *Journal of Hypertension*, **2015**, 33, e77-e78	1.9	13
30	Colonic immune suppression, barrier dysfunction, and dysbiosis by gastrointestinal bacillus anthracis Infection. *PLoS ONE*, **2014**, 9, e100532	3.7	13
29	CTCF promotes epithelial ovarian cancer metastasis by broadly controlling the expression of metastasis-associated genes. *Oncotarget*, **2017**, 8, 62217-62230	3.3	12
28	Diurnal Timing Dependent Alterations in Gut Microbial Composition Are Synchronously Linked to Salt-Sensitive Hypertension and Renal Damage. *Hypertension*, **2020**, 76, 59-72	8.5	11
27	Pulmonary arterial hypertension-associated changes in gut pathology and microbiota. *ERJ Open Research*, **2020**, 6,	3.5	11
26	Deep Mutational Scan of an Voltage Sensor. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002786	5.2	10
25	Calcium Influx of Mast Cells Is Inhibited by Aptamers Targeting the First Extracellular Domain of Orai1. *PLoS ONE*, **2016**, 11, e0158223	3.7	8
24	OS 05-10 THE MICROBIAL METABOLITE, BUTYRATE ATTENUATES ANGIOTENSIN II-INDUCED HYPERTENSION AND DYSBIOSIS.. *Journal of Hypertension*, **2016**, 34, e60-e61	1.9	8
23	Impaired colonic B-cell responses by gastrointestinal Bacillus anthracis infection. *Journal of Infectious Diseases*, **2014**, 210, 1499-507	7	7
22	Stimulation of Intestinal Cl- Secretion Through CFTR by Caffeine Intake in Salt-Sensitive Hypertensive Rats. *Kidney and Blood Pressure Research*, **2018**, 43, 439-448	3.1	6
21	Ketone body -hydroxybutyrate is an autophagy-dependent vasodilator. *JCI Insight*, **2021**, 6,	9.9	5
20	Activation of B cells by a dendritic cell-targeted oral vaccine. *Current Pharmaceutical Biotechnology*, **2013**, 14, 867-77	2.6	4

19	Identification of a Gut Commensal That Compromises the Blood Pressure-Lowering Effect of Ester Angiotensin-Converting Enzyme Inhibitors.. *Hypertension*, **2022**, 101161HYPERTENSIONAHA12118711	8.5	4
18	Epidemiologic Investigation of Chemical Burns in Southwestern China from 2005 to 2016. *Journal of Burn Care and Research*, **2018**, 39, 1006-1016	0.8	3
17	and Long QT Syndrome in 1/45 Amish: The Road From Identification to Implementation of Culturally Appropriate Precision Medicine. *Circulation Genomic and Precision Medicine*, **2020**, 13, e003133	5.2	2
16	Assessment of fatigue-related biochemical alterations in a rat swimming model under hypoxia. *Journal of Experimental Biology*, **2019**, 222,	3	2
15	Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. *Antioxidants*, **2020**, 9,	7.1	2
14	HDAC1 is required for GATA-1 transcription activity, global chromatin occupancy and hematopoiesis. *Nucleic Acids Research*, **2021**, 49, 9783-9798	20.1	2
13	Microbiota and Metabolites as Factors Influencing Blood Pressure Regulation. *Comprehensive Physiology*, **2021**, 11, 1731-1757	7.7	0
12	Fecal matter transplant from Ace2 overexpressing mice counteracts chronic hypoxia-induced pulmonary hypertension.. *Pulmonary Circulation*, **2022**, 12, e12015	2.7	
11	Concerted diurnal rhythms of gut microbiota with salt-sensitive hypertension and renal inflammation. *FASEB Journal*, **2020**, 34, 1-1	0.9	
10	Short-term captopril treatment causes persistently decreased blood pressure associated with long-lasting shifts in gut microbiota and improvement in gut pathology. *FASEB Journal*, **2018**, 32, 582.7	0.9	
9	Hypertension-associated dysbiosis leads to elevated sympathetic drive and alterations in neurotransmitter signaling in the nucleus of the solitary tract in WKY. *FASEB Journal*, **2018**, 32, 924.4	0.9	
8	Reduced bone marrow adrenergic receptor signaling is protective against weight gain and high fat-induced hypertension. *FASEB Journal*, **2018**, 32, 918.8	0.9	
7	Inulin/FOS-rich diet alters gut microbiota, brain activity and cardiovascular responses in the SHR. *FASEB Journal*, **2018**, 32, 921.6	0.9	
6	Impaired T Cell Receptor (TCR) Signaling in the Intestinal Epithelium of Spontaneously Hypertensive Rats. *FASEB Journal*, **2019**, 33, 595.2	0.9	
5	Sub-diaphragmatic vagal nerve stimulation alleviates rodent hypertension associated with gut dysbiosis and reduced serotonergic vagal afferent signaling. *FASEB Journal*, **2020**, 34, 1-1	0.9	
4	Gnotobiotic rats reveal an obligatory role of microbiota in blood pressure. *FASEB Journal*, **2020**, 34, 1-1	0.9	
3	HDAC1 Can Deacetylate GATA-1 and Regulates Its Activity through a FOG-1 Independent Manner. *Blood*, **2014**, 124, 5125-5125	2.2	
2	Diminazene, an ACE2 Activator Modulates Gut Microbiota and Provides Protection Against Pulmonary Hypertension. *FASEB Journal*, **2015**, 29, LB749	0.9	

1 Regulation of HDAC1 Histone Deacetylase Activity During Hematopoesis. *Blood*, **2010**, 116, 3869-3869 2.2