

Tao Yang

List of Publications by Year in Descending Order

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

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	Fecal matter transplant from Ace2 overexpressing mice counteracts chronic hypoxia-induced pulmonary hypertension.. <i>Pulmonary Circulation</i> , 2022 , 12, e12015	2.7	
71	Identification of a Gut Commensal That Compromises the Blood Pressure-Lowering Effect of Ester Angiotensin-Converting Enzyme Inhibitors.. <i>Hypertension</i> , 2022 , 101161HYPERTENSIONAHA12118711	8.5	4
70	Antihypertensive effects of exercise involve reshaping of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rat. <i>Gut Microbes</i> , 2021 , 13, 1-24	8.8	17
69	Microbiota and Metabolites as Factors Influencing Blood Pressure Regulation. <i>Comprehensive Physiology</i> , 2021 , 11, 1731-1757	7.7	0
68	HDAC1 is required for GATA-1 transcription activity, global chromatin occupancy and hematopoiesis. <i>Nucleic Acids Research</i> , 2021 , 49, 9783-9798	20.1	2
67	Ketone body βhydroxybutyrate is an autophagy-dependent vasodilator. <i>JCI Insight</i> , 2021 , 6,	9.9	5
66	and Long QT Syndrome in 1/45 Amish: The Road From Identification to Implementation of Culturally Appropriate Precision Medicine. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e003133 ^{5.2}		2
65	Metabolites and Hypertension: Insights into Hypertension as a Metabolic Disorder: 2019 Harriet Dustan Award. <i>Hypertension</i> , 2020 , 75, 1386-1396	8.5	14
64	Gut Pathology and Its Rescue by ACE2 (Angiotensin-Converting Enzyme 2) in Hypoxia-Induced Pulmonary Hypertension. <i>Hypertension</i> , 2020 , 76, 206-216	8.5	17
63	Gnotobiotic Rats Reveal That Gut Microbiota Regulates Colonic mRNA of , the Receptor for SARS-CoV-2 Infectivity. <i>Hypertension</i> , 2020 , 76, e1-e3	8.5	42
62	Gastrointestinal dysbiosis following diethylhexyl phthalate exposure in zebrafish (Danio rerio): Altered microbial diversity, functionality, and network connectivity. <i>Environmental Pollution</i> , 2020 , 265, 114496	9.3	13
61	Diurnal Timing Dependent Alterations in Gut Microbial Composition Are Synchronously Linked to Salt-Sensitive Hypertension and Renal Damage. <i>Hypertension</i> , 2020 , 76, 59-72	8.5	11
60	Maternal Treatment With Captopril Persistently Alters Gut-Brain Communication and Attenuates Hypertension of Male Offspring. <i>Hypertension</i> , 2020 , 75, 1315-1324	8.5	29
59	Probiotics Prevent Dysbiosis and the Rise in Blood Pressure in Genetic Hypertension: Role of Short-Chain Fatty Acids. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900616	5.9	53
58	Deep Mutational Scan of an Voltage Sensor. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e002786	8.6	10
57	Concerted diurnal rhythms of gut microbiota with salt-sensitive hypertension and renal inflammation. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
56	Sub-diaphragmatic vagal nerve stimulation alleviates rodent hypertension associated with gut dysbiosis and reduced serotonergic vagal afferent signaling. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

55	Gnotobiotic rats reveal an obligatory role of microbiota in blood pressure. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
54	Transcriptomic signature of gut microbiome-contacting cells in colon of spontaneously hypertensive rats. <i>Physiological Genomics</i> , 2020 , 52, 121-132	3.6	16
53	Microbiota Introduced to Germ-Free Rats Restores Vascular Contractility and Blood Pressure. <i>Hypertension</i> , 2020 , 76, 1847-1855	8.5	19
52	Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	2
51	Pulmonary arterial hypertension-associated changes in gut pathology and microbiota. <i>ERJ Open Research</i> , 2020 , 6,	3.5	11
50	Probiotic Bifidobacterium breve prevents DOCA-salt hypertension. <i>FASEB Journal</i> , 2020 , 34, 13626-13640	0.9	17
49	Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. <i>Circulation Research</i> , 2019 , 125, 104-116	15.7	47
48	Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. <i>Acta Physiologica</i> , 2019 , 227, e13285	5.6	50
47	Critical Role of the Interaction Gut Microbiota - Sympathetic Nervous System in the Regulation of Blood Pressure. <i>Frontiers in Physiology</i> , 2019 , 10, 231	4.6	89
46	Sustained Captopril-Induced Reduction in Blood Pressure Is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rat. <i>Journal of the American Heart Association</i> , 2019 , 8, e010721	6	37
45	Androgenic Effects on Ventricular Repolarization: A Translational Study From the International Pharmacovigilance Database to iPSC-Cardiomyocytes. <i>Circulation</i> , 2019 , 140, 1070-1080	16.7	49
44	Estradiol Protects Against Acidosis-Mediated and Ischemic Neuronal Injury by Promoting ASIC1a (Acid-Sensing Ion Channel 1a) Protein Degradation. <i>Stroke</i> , 2019 , 50, 2902-2911	6.7	18
43	Assessment of fatigue-related biochemical alterations in a rat swimming model under hypoxia. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	2
42	Impaired T Cell Receptor (TCR) Signaling in the Intestinal Epithelium of Spontaneously Hypertensive Rats. <i>FASEB Journal</i> , 2019 , 33, 595.2	0.9	
41	Microglial Cells Impact Gut Microbiota and Gut Pathology in Angiotensin II-Induced Hypertension. <i>Circulation Research</i> , 2019 , 124, 727-736	15.7	52
40	Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. <i>Acta Physiologica</i> , 2019 , 226, e13256	5.6	41
39	Stimulation of Intestinal Cl ⁻ Secretion Through CFTR by Caffeine Intake in Salt-Sensitive Hypertensive Rats. <i>Kidney and Blood Pressure Research</i> , 2018 , 43, 439-448	3.1	6
38	Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. <i>Physiological Reports</i> , 2018 , 6, e13732	2.6	19

37	Epidemiologic Investigation of Chemical Burns in Southwestern China from 2005 to 2016. <i>Journal of Burn Care and Research</i> , 2018 , 39, 1006-1016	0.8	3
36	Short-term captopril treatment causes persistently decreased blood pressure associated with long-lasting shifts in gut microbiota and improvement in gut pathology. <i>FASEB Journal</i> , 2018 , 32, 582.7	0.9	
35	Hypertension-associated dysbiosis leads to elevated sympathetic drive and alterations in neurotransmitter signaling in the nucleus of the solitary tract in WKY. <i>FASEB Journal</i> , 2018 , 32, 924.4	0.9	
34	Reduced bone marrow adrenergic receptor signaling is protective against weight gain and high fat-induced hypertension. <i>FASEB Journal</i> , 2018 , 32, 918.8	0.9	
33	Inulin/FOS-rich diet alters gut microbiota, brain activity and cardiovascular responses in the SHR. <i>FASEB Journal</i> , 2018 , 32, 921.6	0.9	
32	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. <i>Frontiers in Physiology</i> , 2018 , 9, 1593	4.6	20
31	The gut microbiota and the brain-gut-kidney axis in hypertension and chronic kidney disease. <i>Nature Reviews Nephrology</i> , 2018 , 14, 442-456	14.9	199
30	Activation of TRPV4 by dietary apigenin antagonizes renal fibrosis in deoxycorticosterone acetate (DOCA)-salt-induced hypertension. <i>Clinical Science</i> , 2017 , 131, 567-581	6.5	24
29	Hypertension-Linked Pathophysiological Alterations in the Gut. <i>Circulation Research</i> , 2017 , 120, 312-323	15.7	247
28	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. <i>Frontiers in Physiology</i> , 2017 , 8, 220	4.6	18
27	Gut-Brain Axis in Regulation of Blood Pressure. <i>Frontiers in Physiology</i> , 2017 , 8, 845	4.6	33
26	CTCF promotes epithelial ovarian cancer metastasis by broadly controlling the expression of metastasis-associated genes. <i>Oncotarget</i> , 2017 , 8, 62217-62230	3.3	12
25	Caffeine intake antagonizes salt sensitive hypertension through improvement of renal sodium handling. <i>Scientific Reports</i> , 2016 , 6, 25746	4.9	17
24	Calcium Influx of Mast Cells Is Inhibited by Aptamers Targeting the First Extracellular Domain of Orai1. <i>PLoS ONE</i> , 2016 , 11, e0158223	3.7	8
23	Pharmacokinetic/Pharmacodynamic Profiles of Tiamulin in an Experimental Intratracheal Infection Model of <i>Mycoplasma gallisepticum</i> . <i>Frontiers in Veterinary Science</i> , 2016 , 3, 75	3.1	16
22	OS 05-10 THE MICROBIAL METABOLITE, BUTYRATE ATTENUATES ANGIOTENSIN II-INDUCED HYPERTENSION AND DYSBIOSIS.. <i>Journal of Hypertension</i> , 2016 , 34, e60-e61	1.9	8
21	New insights into gastrointestinal anthrax infection. <i>Trends in Molecular Medicine</i> , 2015 , 21, 154-63	11.5	15
20	Gut dysbiosis is linked to hypertension. <i>Hypertension</i> , 2015 , 65, 1331-40	8.5	716

19	In vivo pharmacokinetic/pharmacodynamic profiles of valnemulin in an experimental intratracheal <i>Mycoplasma gallisepticum</i> infection model. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 3754-60	5.9	21
18	Activation of TRPV1 attenuates high salt-induced cardiac hypertrophy through improvement of mitochondrial function. <i>British Journal of Pharmacology</i> , 2015 , 172, 5548-58	8.6	41
17	6B.07. <i>Journal of Hypertension</i> , 2015 , 33, e77-e78	1.9	13
16	EGFR-TKI down-regulates PD-L1 in EGFR mutant NSCLC through inhibiting NF- κ B. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 463, 95-101	3.4	104
15	SIGNR3-dependent immune regulation by <i>Lactobacillus acidophilus</i> surface layer protein A in colitis. <i>EMBO Journal</i> , 2015 , 34, 881-95	13	77
14	Diminazene, an ACE2 Activator Modulates Gut Microbiota and Provides Protection Against Pulmonary Hypertension. <i>FASEB Journal</i> , 2015 , 29, LB749	0.9	
13	Epithelial CaSR deficiency alters intestinal integrity and promotes proinflammatory immune responses. <i>FEBS Letters</i> , 2014 , 588, 4158-66	3.8	50
12	Impaired colonic B-cell responses by gastrointestinal <i>Bacillus anthracis</i> infection. <i>Journal of Infectious Diseases</i> , 2014 , 210, 1499-507	7	7
11	Gastrointestinal intervention ameliorates high blood pressure through antagonizing overdrive of the sympathetic nerve in hypertensive patients and rats. <i>Journal of the American Heart Association</i> , 2014 , 3, e000929	6	24
10	Colonic immune suppression, barrier dysfunction, and dysbiosis by gastrointestinal <i>Bacillus anthracis</i> infection. <i>PLoS ONE</i> , 2014 , 9, e100532	3.7	13
9	HDAC1 Can Deacetylate GATA-1 and Regulates Its Activity through a FOG-1 Independent Manner. <i>Blood</i> , 2014 , 124, 5125-5125	2.2	
8	Microbiota impact on the epigenetic regulation of colorectal cancer. <i>Trends in Molecular Medicine</i> , 2013 , 19, 714-25	11.5	71
7	Targeting aberrant colon cancer-specific DNA methylation with lipoteichoic acid-deficient <i>Lactobacillus acidophilus</i> . <i>Gut Microbes</i> , 2013 , 4, 84-8	8.8	29
6	Activation of B cells by a dendritic cell-targeted oral vaccine. <i>Current Pharmaceutical Biotechnology</i> , 2013 , 14, 867-77	2.6	4
5	Acetylation of histone deacetylase 1 regulates NuRD corepressor complex activity. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40279-91	5.4	25
4	Regulation of HDAC1 Histone Deacetylase Activity During Hematopoiesis. <i>Blood</i> , 2010 , 116, 3869-3869	2.2	
3	Learning deficits, but normal development and tumor predisposition, in mice lacking exon 23a of Nf1. <i>Nature Genetics</i> , 2001 , 27, 399-405	36.3	156
2	Replacement by homologous recombination of the minK gene with lacZ reveals restriction of minK expression to the mouse cardiac conduction system. <i>Circulation Research</i> , 1999 , 84, 146-52	15.7	170

- 1 Analysis of murine Snrpn and human SNRPN gene imprinting in transgenic mice. *Mammalian Genome*, **1999**, 10, 549-55

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