

# Hong Zheng

## List of Publications by Year in descending order

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61  
papers

1,072  
citations

393982

19  
h-index

414034

32  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise training improves endogenous nitric oxide mechanisms within the paraventricular nucleus in rats with heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2332-H2341.	1.5	100
2	Astrocytes Contribute to Angiotensin II Stimulation of Hypothalamic Neuronal Activity and Sympathetic Outflow. <i>Hypertension</i> , 2016, 68, 1483-1493.	1.3	79
3	Exercise training normalizes enhanced glutamate-mediated sympathetic activation from the PVN in heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1863-R1872.	0.9	75
4	Regulation of tonic GABA inhibitory function, presympathetic neuronal activity and sympathetic outflow from the paraventricular nucleus by astroglial GABA transporters. <i>Journal of Physiology</i> , 2009, 587, 4645-4660.	1.3	61
5	Enhanced angiotensin-mediated excitation of renal sympathetic nerve activity within the paraventricular nucleus of anesthetized rats with heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R1364-R1374.	0.9	60
6	Lack of miR-133a Decreases Contractility of Diabetic Hearts: A Role for Novel Cross Talk Between Tyrosine Aminotransferase and Tyrosine Hydroxylase. <i>Diabetes</i> , 2016, 65, 3075-3090.	0.3	47
7	Gene Transfer of Neuronal Nitric Oxide Synthase to the Paraventricular Nucleus Reduces the Enhanced Glutamatergic Tone in Rats With Chronic Heart Failure. <i>Hypertension</i> , 2011, 58, 966-973.	1.3	45
8	Exercise training normalizes enhanced sympathetic activation from the paraventricular nucleus in chronic heart failure: role of angiotensin II. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R387-R394.	0.9	42
9	Activation of afferent renal nerves modulates RVLM-projecting PVN neurons. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H1103-H1111.	1.5	42
10	Angiotensin-converting enzyme 2 overexpression improves central nitric oxide-mediated sympathetic outflow in chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2402-H2412.	1.5	36
11	Blunted nitric oxide-mediated inhibition of sympathetic nerve activity within the paraventricular nucleus in diabetic rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R992-R1002.	0.9	35
12	Exercise training improves renal excretory responses to acute volume expansion in rats with heart failure. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F1148-F1156.	1.3	35
13	Renal Denervation Improves Exaggerated Sympathoexcitation in Rats With Heart Failure. <i>Hypertension</i> , 2016, 68, 175-184.	1.3	35
14	Integration of renal sensory afferents at the level of the paraventricular nucleus dictating sympathetic outflow. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 204, 57-64.	1.4	35
15	Lack of central nitric oxide triggers erectile dysfunction in diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1158-R1164.	0.9	32
16	Urinary Proteolytic Activation of Renal Epithelial Na <sup>+</sup> Channels in Chronic Heart Failure. <i>Hypertension</i> , 2016, 67, 197-205.	1.3	32
17	Hypoxia-Inducible Factor-1 $\alpha$ Mediates Increased Sympathoexcitation via Glutamatergic N-Methyl-D-Aspartate Receptors in the Paraventricular Nucleus of Rats With Chronic Heart Failure. <i>Circulation: Heart Failure</i> , 2016, 9, .	1.6	28
18	Increased renal ENaC subunits and sodium retention in rats with chronic heart failure. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F641-F649.	1.3	24

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19	Renal denervation improves cardiac function in rats with chronic heart failure: Effects on expression of $\beta^2$ -adrenoceptors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H337-H346.	1.5	23
20	Phosphorylation of Cx43 residue Y313 by Src contributes to blocking the interaction with Drebrin and disassembling gap junctions. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 126, 36-49.	0.9	22
21	Cardiorenal Syndrome: The Role of Neural Connections Between the Heart and the Kidneys. <i>Circulation Research</i> , 2022, 130, 1601-1617.	2.0	19
22	Neuronal expression of fos protein in the forebrain of diabetic rats. <i>Brain Research</i> , 2002, 956, 268-275.	1.1	18
23	A novel role for miR-133a in centrally mediated activation of the renin-angiotensin system in congestive heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H968-H979.	1.5	17
24	Attenuated dopaminergic tone in the paraventricular nucleus contributing to sympathoexcitation in rats with Type 2 diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R138-R148.	0.9	15
25	A Hypothalamic Leptin-Glutamate Interaction in the Regulation of Sympathetic Nerve Activity. <i>Neural Plasticity</i> , 2017, 2017, 1-11.	1.0	15
26	Modulation of Sirt1 and FoxO1 on Hypothalamic Leptin-Mediated Sympathetic Activation and Inflammation in Diet-Induced Obese Rats. <i>Journal of the American Heart Association</i> , 2021, 10, e020667.	1.6	15
27	Exercise Training Improves the Defective Centrally Mediated Erectile Responses in Rats with Type I Diabetes. <i>Journal of Sexual Medicine</i> , 2011, 8, 3086-3097.	0.3	14
28	Liposome-entrapped GABA modulates the expression of nNOS in NG108-15 cells. <i>Journal of Neuroscience Methods</i> , 2016, 273, 55-63.	1.3	13
29	Exercise Training Attenuates Upregulation of p47 <sup>phox</sup> and p67 <sup>phox</sup> in Hearts of Diabetic Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	11
30	Centrally Mediated Erectile Dysfunction in Rats with Type 1 Diabetes: Role of Angiotensin II and Superoxide. <i>Journal of Sexual Medicine</i> , 2013, 10, 2165-2176.	0.3	10
31	Leptin-Mediated Sympathoexcitation in Obese Rats: Role for Neuron-Astrocyte Crosstalk in the Arcuate Nucleus. <i>Frontiers in Neuroscience</i> , 2019, 13, 1217.	1.4	9
32	Glutamatergic receptor dysfunction in spinal cord contributes to the exaggerated exercise pressor reflex in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H447-H455.	1.5	7
33	Reduced $\text{N}^{\text{a}}$ -Type Ca <sup>2+</sup> Channels in Atrioventricular Ganglion Neurons Are Involved in Ventricular Arrhythmogenesis. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	7
34	Role of Renal Sympathetic Nerves in GLP-1 (Glucagon-Like Peptide-1) Receptor Agonist Exendin-4-Mediated Diuresis and Natriuresis in Diet-Induced Obese Rats. <i>Journal of the American Heart Association</i> , 2021, 10, e022542.	1.6	5
35	Rosiglitazone restores nitric oxide synthase-dependent reactivity of cerebral arterioles in rats exposed to prenatal alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1359-1369.	1.4	4
36	Gene transfer of neuronal nitric oxide synthase to the paraventricular nucleus improves enhanced NMDA NR1 receptor function in rats with chronic heart failure. <i>FASEB Journal</i> , 2007, 21, A1267.	0.2	2

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37	Chronic AT1 receptor blockade normalizes NR1 expression within the paraventricular nucleus (PVN) in rats with heart failure (HF). <i>FASEB Journal</i> , 2007, 21, A1267.	0.2	1
38	Gene transfer of angiotensin converting enzyme 2 to the paraventricular nucleus improves attenuated nitric oxide mechanism in rats with chronic heart failure. <i>FASEB Journal</i> , 2009, 23, 956.2.	0.2	1
39	A Role for Dopamine in the Centrally Mediated Sympathetic Response in Rats with Type 2 Diabetes Induced by Streptozotocin and a High-fat Diet. <i>FASEB Journal</i> , 2011, 25, 1028.11.	0.2	1
40	Exercise training normalizes enhanced NMDA-mediated changes in renal sympathetic nerve activity and NR1 expression within the PVN in heart failure rats. <i>FASEB Journal</i> , 2006, 20, A1203.	0.2	0
41	Angiotensin II-mediated sympathoexcitation in diabetes: Role of superoxide. <i>FASEB Journal</i> , 2006, 20, A1208.	0.2	0
42	Contribution of renal epithelial sodium channel in sodium retention during chronic heart failure. <i>FASEB Journal</i> , 2008, 22, 1159.18.	0.2	0
43	Effects of Alcohol on Nitric Oxide (NO) Synthesis and Superoxide Production in Human Brain Vascular Cells. <i>FASEB Journal</i> , 2008, 22, 1151.16.	0.2	0
44	Enhanced heat loss despite blunted renal sympathoexcitation in diabetic rats during heat stress. <i>FASEB Journal</i> , 2009, 23, 788.3.	0.2	0
45	Elevated angiotensin II attenuates activation of voltage-gated sodium channels in heart failure rats: involvement of mitochondria-derived superoxide. <i>FASEB Journal</i> , 2010, 24, 1018.5.	0.2	0
46	Enhanced activation of the median preoptic nucleus contributes to the activation of the paraventricular nucleus in heart failure. <i>FASEB Journal</i> , 2010, 24, 1019.14.	0.2	0
47	Increased expression of CAPON (Carboxy-terminal PDZ ligand of nNOS) within the paraventricular nucleus (PVN) of rats with heart failure (HF). <i>FASEB Journal</i> , 2010, 24, 1019.4.	0.2	0
48	Contribution of the paraventricular nucleus in the heat stress-induced cardiovascular adjustments. <i>FASEB Journal</i> , 2010, 24, 992.3.	0.2	0
49	Blunted Responses of Renal Sympathetic Nerve Activity to C-type Natriuretic Peptide in the PVN of Rats with Heart Failure. <i>FASEB Journal</i> , 2012, 26, 1091.64.	0.2	0
50	Activated subfornical organ contributes to enhanced sympathoexcitation during chronic heart failure. <i>FASEB Journal</i> , 2012, 26, 703.16.	0.2	0
51	Dendritic release of VP mediates crosstalk between neuroendocrine and presympathetic PVN neurons: Role in osmotically-driven homeostatic responses. <i>FASEB Journal</i> , 2012, 26, .	0.2	0
52	Central Leptin-glutamate Signaling Contributes to the Exaggerated Sympathoexcitation in Rats with Type 2 Diabetes. <i>FASEB Journal</i> , 2012, 26, 705.2.	0.2	0
53	Contribution of PIN in the regulation of neuronal nitric oxide synthase in the PVN of Rats with chronic heart failure. <i>FASEB Journal</i> , 2012, 26, 703.17.	0.2	0
54	Enhanced levels of proteases in tubular fluid activate ENaC in chronic heart failure. <i>FASEB Journal</i> , 2013, 27, 698.2.	0.2	0

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55	Exercise Training (ExT) Normalizes Subfornical Organ (SFO)-Mediated Sympathoexcitation in Chronic Heart Failure (HF). FASEB Journal, 2013, 27, 699.14.	0.2	0
56	Abstract 15532: Altered Ubiquitination and Stability of Protein Inhibitor of Neuronal Nitric Oxide Synthase in the Paraventricular Nucleus of Chronic Heart Failure Rats: Role of Angiotensin II. Circulation, 2014, 130, .	1.6	0
57	Angiotensin II Upregulates CAPON Expression via ERK-MAPK-CREB Pathway in the Paraventricular Nucleus of Rats with Chronic Heart Failure. FASEB Journal, 2015, 29, 987.7.	0.2	0
58	Enhanced levels of Proteases in Tubular Fluid Activate ENaC in Chronic Heart Failure: Roles for Renal Nerves and Renal Injury. FASEB Journal, 2015, 29, 829.1.	0.2	0
59	Reduced miR-133a Results in Upregulation of Angiotensinogen in the Paraventricular Nucleus of Rats with Chronic Heart Failure. FASEB Journal, 2015, 29, 829.2.	0.2	0
60	Differences in Excitatory and Inhibitory Balance within the Paraventricular Nucleus Reflects Response Variability to Acute Stress. FASEB Journal, 2018, 32, 737.9.	0.2	0
61	Abstract 17215: Exercise Training Restores Dimeric nNOS by Regulating PIN Expression in the Paraventricular Nucleus of Chronic Heart Failure Rats. Circulation, 2015, 132, .	1.6	0