

Guo-Qing Zhu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

86
papers

2,116
citations

25
h-index

43
g-index

89
ext. papers

2,631
ext. citations

4.9
avg, IF

4.62
L-index

#	Paper	IF	Citations
86	Extracellular vesicles in vascular remodeling.. <i>Acta Pharmacologica Sinica</i> , 2022 ,	8	6
85	Impact of Selective Renal Afferent Denervation on Oxidative Stress and Vascular Remodeling in Spontaneously Hypertensive Rats. <i>Antioxidants</i> , 2022 , 11, 1003	7.1	0
84	Bilateral Paraventricular Nucleus Upregulation of Extracellular Superoxide Dismutase Decreases Blood Pressure by Regulation of the NLRP3 and Neurotransmitters in Salt-Induced Hypertensive Rats.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 756671	5.6	0
83	Apelin receptor upregulation in spontaneously hypertensive rat contributes to the enhanced vascular smooth muscle cell proliferation by activating autophagy. <i>Annals of Translational Medicine</i> , 2021 , 9, 627	3.2	3
82	Dysregulation of the Excitatory Renal Reflex in the Sympathetic Activation of Spontaneously Hypertensive Rat. <i>Frontiers in Physiology</i> , 2021 , 12, 673950	4.6	1
81	Apigenin Improves Hypertension and Cardiac Hypertrophy Through Modulating NADPH Oxidase-Dependent ROS Generation and Cytokines in Hypothalamic Paraventricular Nucleus. <i>Cardiovascular Toxicology</i> , 2021 , 21, 721-736	3.4	3
80	Upregulated expression of NMDA receptor in the paraventricular nucleus shortens ejaculation latency in rats with experimental autoimmune prostatitis. <i>Andrology</i> , 2021 , 9, 352-360	4.2	0
79	Adrenomedullin Attenuates Inflammation in White Adipose Tissue of Obese Rats Through Receptor-Mediated PKA Pathway. <i>Obesity</i> , 2021 , 29, 86-97	8	2
78	Central Blockade of E-Prostanoid 3 Receptor Ameliorated Hypertension Partially by Attenuating Oxidative Stress and Inflammation in the Hypothalamic Paraventricular Nucleus of Spontaneously Hypertensive Rats. <i>Cardiovascular Toxicology</i> , 2021 , 21, 286-300	3.4	5
77	Nrf1 Knock-Down in the Hypothalamic Paraventricular Nucleus Alleviates Hypertension Through Intervention of Superoxide Production-Removal Balance and Mitochondrial Function. <i>Cardiovascular Toxicology</i> , 2021 , 21, 472-489	3.4	2
76	Chronic Infusion of Astaxanthin Into Hypothalamic Paraventricular Nucleus Modulates Cytokines and Attenuates the Renin-Angiotensin System in Spontaneously Hypertensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2021 , 77, 170-181	3.1	1
75	Inhibition of miR-135a-5p attenuates vascular smooth muscle cell proliferation and vascular remodeling in hypertensive rats. <i>Acta Pharmacologica Sinica</i> , 2021 , 42, 1798-1807	8	6
74	miR-31-5p Promotes Oxidative Stress and Vascular Smooth Muscle Cell Migration in Spontaneously Hypertensive Rats via Inhibiting FNDC5 Expression. <i>Biomedicines</i> , 2021 , 9,	4.8	5
73	Salusin- In Intermediate Dorsal Motor Nucleus of the Vagus Regulates Sympathetic-Parasympathetic Balance and Blood Pressure. <i>Biomedicines</i> , 2021 , 9,	4.8	1
72	Extracellular vesicle-mediated miR135a-5p transfer in hypertensive rat contributes to vascular smooth muscle cell proliferation via targeting FNDC5. <i>Vascular Pharmacology</i> , 2021 , 140, 106864	5.9	3
71	RND3 attenuates oxidative stress and vascular remodeling in spontaneously hypertensive rat via inhibiting ROCK1 signaling. <i>Redox Biology</i> , 2021 , 48, 102204	11.3	1
70	Irisin lowers blood pressure by activating the Nrf2 signaling pathway in the hypothalamic paraventricular nucleus of spontaneously hypertensive rats. <i>Toxicology and Applied Pharmacology</i> , 2020 , 394, 114953	4.6	11

69	Calcitriol ameliorated autonomic dysfunction and hypertension by down-regulating inflammation and oxidative stress in the paraventricular nucleus of SHR. <i>Toxicology and Applied Pharmacology</i> , 2020 , 394, 114950	4.6	10
68	MiR155-5p Inhibits Cell Migration and Oxidative Stress in Vascular Smooth Muscle Cells of Spontaneously Hypertensive Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	14
67	Angiotensin Type 1 Receptors and Superoxide Anion Production in Hypothalamic Paraventricular Nucleus Contribute to Capsaicin-Induced Excitatory Renal Reflex and Sympathetic Activation. <i>Neuroscience Bulletin</i> , 2020 , 36, 463-474	4.3	10
66	FNDC5 Attenuates Oxidative Stress and NLRP3 Inflammasome Activation in Vascular Smooth Muscle Cells via Activating the AMPK-SIRT1 Signal Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 6384803	6.7	15
65	Inhibition of Hypothalamic Inhibitor β Kinase γ Nuclear Transcription Factor β Pathway Attenuates Metabolism and Cardiac Dysfunction in Type 2 Diabetic Rats. <i>Neuroendocrinology</i> , 2020 , 110, 899-913	5.6	5
64	MiR155-5p in adventitial fibroblasts-derived extracellular vesicles inhibits vascular smooth muscle cell proliferation via suppressing angiotensin-converting enzyme expression. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1698795	16.4	46
63	Interleukin-1 β in hypothalamic paraventricular nucleus mediates excitatory renal reflex. <i>Pflugers Archiv European Journal of Physiology</i> , 2020 , 472, 1577-1586	4.6	4
62	Blockade of c-Src Within the Paraventricular Nucleus Attenuates Inflammatory Cytokines and Oxidative Stress in the Mechanism of the TLR4 Signal Pathway in Salt-Induced Hypertension. <i>Neuroscience Bulletin</i> , 2020 , 36, 385-395	4.3	8
61	Chemical Stimulation of Renal Tissue Induces Sympathetic Activation and a Pressor Response via the Paraventricular Nucleus in Rats. <i>Neuroscience Bulletin</i> , 2020 , 36, 143-152	4.3	12
60	Curcumin attenuates migration of vascular smooth muscle cells via inhibiting NFB-mediated NLRP3 expression in spontaneously hypertensive rats. <i>Journal of Nutritional Biochemistry</i> , 2019 , 72, 108212	6.3	14
59	BCL6 Attenuates Proliferation and Oxidative Stress of Vascular Smooth Muscle Cells in Hypertension. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 5018410	6.7	14
58	Adipose afferent reflex is enhanced by TNF α in paraventricular nucleus through NADPH oxidase-dependent ROS generation in obesity-related hypertensive rats. <i>Journal of Translational Medicine</i> , 2019 , 17, 256	8.5	12
57	FNDC5 inhibits foam cell formation and monocyte adhesion in vascular smooth muscle cells via suppressing NFB-mediated NLRP3 upregulation. <i>Vascular Pharmacology</i> , 2019 , 121, 106579	5.9	18
56	Effects of mu opioid receptors in paraventricular nucleus on ejaculation through mediating sympathetic nerve system activity. <i>Neuropharmacology</i> , 2019 , 158, 107709	5.5	5
55	Silencing salusin β ameliorates heart failure in aged spontaneously hypertensive rats by ROS-relative MAPK/NF- β pathways in the paraventricular nucleus. <i>International Journal of Cardiology</i> , 2019 , 280, 142-151	3.2	11
54	Chronic Intracerebroventricular Infusion of Metformin Inhibits Salt-Sensitive Hypertension via Attenuation of Oxidative Stress and Neurohormonal Excitation in Rat Paraventricular Nucleus. <i>Neuroscience Bulletin</i> , 2019 , 35, 57-66	4.3	11
53	Chronic infusion of berberine into the hypothalamic paraventricular nucleus attenuates hypertension and sympathoexcitation via the ROS/Erk1/2/iNOS pathway. <i>Phytomedicine</i> , 2019 , 52, 216-224	6.5	17
52	Blockade of Endogenous Angiotensin-(1-7) in Hypothalamic Paraventricular Nucleus Attenuates High Salt-Induced Sympathoexcitation and Hypertension. <i>Neuroscience Bulletin</i> , 2019 , 35, 47-56	4.3	9

51	Intermedin in Paraventricular Nucleus Attenuates Sympathoexcitation and Decreases TLR4-Mediated Sympathetic Activation via Adrenomedullin Receptors in Rats with Obesity-Related Hypertension. <i>Neuroscience Bulletin</i> , 2019 , 35, 34-46	4.3	10
50	FNDC5 attenuates adipose tissue inflammation and insulin resistance via AMPK-mediated macrophage polarization in obesity. <i>Metabolism: Clinical and Experimental</i> , 2018 , 83, 31-41	12.7	66
49	Exercise Training Attenuates Proinflammatory Cytokines, Oxidative Stress and Modulates Neurotransmitters in the Rostral Ventrolateral Medulla of Salt-Induced Hypertensive Rats. <i>Cellular Physiology and Biochemistry</i> , 2018 , 48, 1369-1381	3.9	12
48	Fibronectin Type III Domain-Containing 5 Attenuates Liver Fibrosis Via Inhibition of Hepatic Stellate Cell Activation. <i>Cellular Physiology and Biochemistry</i> , 2018 , 48, 227-236	3.9	7
47	Differences in sympathetic nervous system activity and NMDA receptor levels within the hypothalamic paraventricular nucleus in rats with differential ejaculatory behavior. <i>Asian Journal of Andrology</i> , 2018 , 20, 355-359	2.8	9
46	Blockade of TLR4 Within the Paraventricular Nucleus Attenuates Blood Pressure by Regulating ROS and Inflammatory Cytokines in Prehypertensive Rats. <i>American Journal of Hypertension</i> , 2018 , 31, 1013-1023	2.3	20
45	PVN Blockade of p44/42 MAPK Pathway Attenuates Salt-induced Hypertension through Modulating Neurotransmitters and Attenuating Oxidative Stress. <i>Scientific Reports</i> , 2017 , 7, 43038	4.9	15
44	Silencing salusin- β attenuates cardiovascular remodeling and hypertension in spontaneously hypertensive rats. <i>Scientific Reports</i> , 2017 , 7, 43259	4.9	17
43	Hydrogen sulfide in paraventricular nucleus attenuates blood pressure by regulating oxidative stress and inflammatory cytokines in high salt-induced hypertension. <i>Toxicology Letters</i> , 2017 , 270, 62-71	4.4	25
42	Salusin- β contributes to oxidative stress and inflammation in diabetic cardiomyopathy. <i>Cell Death and Disease</i> , 2017 , 8, e2690	9.8	48
41	Renin-angiotensin system acting on reactive oxygen species in paraventricular nucleus induces sympathetic activation via AT1R/PKC β /Rac1 pathway in salt-induced hypertension. <i>Scientific Reports</i> , 2017 , 7, 43107	4.9	21
40	NLRP3 inflammasome activation contributes to VSMC phenotypic transformation and proliferation in hypertension. <i>Cell Death and Disease</i> , 2017 , 8, e3074	9.8	114
39	Superoxide Anions and NO in the Paraventricular Nucleus Modulate the Cardiac Sympathetic Afferent Reflex in Obese Rats. <i>International Journal of Molecular Sciences</i> , 2017 , 19,	6.3	12
38	Tert-butylhydroquinone attenuates oxidative stress and inflammation in hypothalamic paraventricular nucleus in high salt-induced hypertension. <i>Toxicology Letters</i> , 2017 , 281, 1-9	4.4	24
37	BCL6 attenuates renal inflammation via negative regulation of NLRP3 transcription. <i>Cell Death and Disease</i> , 2017 , 8, e3156	9.8	21
36	NLRP3 Gene Deletion Attenuates Angiotensin II-Induced Phenotypic Transformation of Vascular Smooth Muscle Cells and Vascular Remodeling. <i>Cellular Physiology and Biochemistry</i> , 2017 , 44, 2269-2280	3.9	67
35	Paraventricular Nucleus Infusion of Epigallocatechin-3-O-Gallate Improves Renovascular Hypertension. <i>Cardiovascular Toxicology</i> , 2016 , 16, 276-85	3.4	13
34	Salusin β Within the Nucleus Tractus Solitarii Suppresses Blood Pressure Via Inhibiting the Activities of Presympathetic Neurons in the Rostral Ventrolateral Medulla in Spontaneously Hypertensive Rats. <i>Cardiovascular Toxicology</i> , 2016 , 16, 223-34	3.4	3

33	Exercise training attenuates renovascular hypertension partly via RAS- ROS- glutamate pathway in the hypothalamic paraventricular nucleus. <i>Scientific Reports</i> , 2016 , 6, 37467	4.9	15
32	β-Aminoisobutyric acid attenuates hepatic endoplasmic reticulum stress and glucose/lipid metabolic disturbance in mice with type 2 diabetes. <i>Scientific Reports</i> , 2016 , 6, 21924	4.9	52
31	Reduced lipolysis response to adipose afferent reflex involved in impaired activation of adrenoceptor-cAMP-PKA-hormone sensitive lipase pathway in obesity. <i>Scientific Reports</i> , 2016 , 6, 34374	4.9	16
30	Salusin-β induces foam cell formation and monocyte adhesion in human vascular smooth muscle cells via miR155/NOX2/NF-κB pathway. <i>Scientific Reports</i> , 2016 , 6, 23596	4.9	32
29	Oral CoQ10 attenuates high salt-induced hypertension by restoring neurotransmitters and cytokines in the hypothalamic paraventricular nucleus. <i>Scientific Reports</i> , 2016 , 6, 30301	4.9	14
28	Relaxin in paraventricular nucleus contributes to sympathetic overdrive and hypertension via PI3K-Akt pathway. <i>Neuropharmacology</i> , 2016 , 103, 247-56	5.5	22
27	Salusin-β Promotes Vascular Smooth Muscle Cell Migration and Intimal Hyperplasia After Vascular Injury via ROS/NF-κB/MMP-9 Pathway. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 1045-57	8.4	72
26	Chronic infusion of epigallocatechin-3-O-gallate into the hypothalamic paraventricular nucleus attenuates hypertension and sympathoexcitation by restoring neurotransmitters and cytokines. <i>Toxicology Letters</i> , 2016 , 262, 105-113	4.4	25
25	FNDC5 Alleviates Hepatosteatosis by Restoring AMPK/mTOR-Mediated Autophagy, Fatty Acid Oxidation, and Lipogenesis in Mice. <i>Diabetes</i> , 2016 , 65, 3262-3275	0.9	78
24	TLR4/MyD88/NF-κB signaling and PPAR-γ within the paraventricular nucleus are involved in the effects of telmisartan in hypertension. <i>Toxicology and Applied Pharmacology</i> , 2016 , 305, 93-102	4.6	38
23	Salusin-β contributes to vascular remodeling associated with hypertension via promoting vascular smooth muscle cell proliferation and vascular fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1709-18	6.9	51
22	FNDC5 overexpression and irisin ameliorate glucose/lipid metabolic derangements and enhance lipolysis in obesity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1867-75	6.9	124
21	Inhibition of NF-κB activity in the hypothalamic paraventricular nucleus attenuates hypertension and cardiac hypertrophy by modulating cytokines and attenuating oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2015 , 284, 315-22	4.6	49
20	Endogenous hydrogen peroxide in the hypothalamic paraventricular nucleus regulates neurohormonal excitation in high salt-induced hypertension. <i>Toxicology Letters</i> , 2015 , 235, 206-15	4.4	32
19	Central blockade of salusin β attenuates hypertension and hypothalamic inflammation in spontaneously hypertensive rats. <i>Scientific Reports</i> , 2015 , 5, 11162	4.9	43
18	Irisin inhibits hepatic gluconeogenesis and increases glycogen synthesis via the PI3K/Akt pathway in type 2 diabetic mice and hepatocytes. <i>Clinical Science</i> , 2015 , 129, 839-50	6.5	190
17	Blockade of Salusin-β in Hypothalamic Paraventricular Nucleus Attenuates Hypertension and Cardiac Hypertrophy in Salt-induced Hypertensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2015 , 66, 323-31	3.1	16
16	GABA in Paraventricular Nucleus Regulates Adipose Afferent Reflex in Rats. <i>PLoS ONE</i> , 2015 , 10, e0136983	3.3	9

15	Inhibition of reactive oxygen species in hypothalamic paraventricular nucleus attenuates the renin-angiotensin system and proinflammatory cytokines in hypertension. <i>Toxicology and Applied Pharmacology</i> , 2014 , 276, 115-20	4.6	66
14	Chronic infusion of enalaprilat into hypothalamic paraventricular nucleus attenuates angiotensin II-induced hypertension and cardiac hypertrophy by restoring neurotransmitters and cytokines. <i>Toxicology and Applied Pharmacology</i> , 2014 , 274, 436-44	4.6	39
13	Chronic infusion of lisinopril into hypothalamic paraventricular nucleus modulates cytokines and attenuates oxidative stress in rostral ventrolateral medulla in hypertension. <i>Toxicology and Applied Pharmacology</i> , 2014 , 279, 141-9	4.6	46
12	Inhibition of TNF- α in hypothalamic paraventricular nucleus attenuates hypertension and cardiac hypertrophy by inhibiting neurohormonal excitation in spontaneously hypertensive rats. <i>Toxicology and Applied Pharmacology</i> , 2014 , 281, 101-8	4.6	44
11	Exercise training attenuates hypertension and cardiac hypertrophy by modulating neurotransmitters and cytokines in hypothalamic paraventricular nucleus. <i>PLoS ONE</i> , 2014 , 9, e85481	3.7	34
10	Cardiac sympathetic afferent reflex response to intermedin microinjection into paraventricular nucleus is mediated by nitric oxide and γ -amino butyric acid in hypertensive rats. <i>Experimental Biology and Medicine</i> , 2014 , 239, 1352-9	3.7	4
9	Hypothalamic paraventricular nucleus activation contributes to neurohumoral excitation in rats with heart failure. <i>Regenerative Medicine Research</i> , 2014 , 2, 2	1.2	19
8	Transneuronal tracing of central autonomic regions involved in cardiac sympathetic afferent reflex in rats. <i>Journal of the Neurological Sciences</i> , 2014 , 342, 45-51	3.2	9
7	Superoxide anions in paraventricular nucleus modulate adipose afferent reflex and sympathetic activity in rats. <i>PLoS ONE</i> , 2013 , 8, e83771	3.7	14
6	Superoxide anions in the paraventricular nucleus mediate the enhanced cardiac sympathetic afferent reflex and sympathetic activity in renovascular hypertensive rats. <i>Journal of Applied Physiology</i> , 2011 , 110, 646-52	3.7	45
5	Enhanced cardiac sympathetic afferent reflex involved in sympathetic overactivity in renovascular hypertensive rats. <i>Experimental Physiology</i> , 2009 , 94, 785-94	2.4	48
4	Blood pressure resetting with a chip system in hypertensive rats. <i>FASEB Journal</i> , 2006 , 20, A308	0.9	
3	Relationship between reactive oxygen species and Angiotensin II in modulating cardiac sympathetic afferent reflex in rats. <i>FASEB Journal</i> , 2006 , 20, A1208	0.9	
2	ANG II in the paraventricular nucleus potentiates the cardiac sympathetic afferent reflex in rats with heart failure. <i>Journal of Applied Physiology</i> , 2004 , 97, 1746-54	3.7	75
1	Reduced nitric oxide in the rostral ventrolateral medulla enhances cardiac sympathetic afferent reflex in rats with chronic heart failure. <i>Acta Physiologica Sinica</i> , 2004 , 56, 47-53	1.3	5