Hai-Jian Sun

List of Publications by Year
in descending order

52 papers	2,486 citations	257450 24 h-index	206112 48 g-index
53 all docs	53 docs citations	53 times ranked	3267 citing authors

#	Article	IF	Citations
1	Role of Endothelial Dysfunction in Cardiovascular Diseases: The Link Between Inflammation and Hydrogen Sulfide. Frontiers in Pharmacology, 2019, 10, 1568.	3.5	300
2	Irisin inhibits hepatic gluconeogenesis and increases glycogen synthesis via the PI3K/Akt pathway in typeÂ2 diabetic mice and hepatocytes. Clinical Science, 2015, 129, 839-850.	4.3	263
3	NLRP3 inflammasome activation contributes to VSMC phenotypic transformation and proliferation in hypertension. Cell Death and Disease, 2017, 8, e3074-e3074.	6.3	179
4	FNDC5 overexpression and irisin ameliorate glucose/lipid metabolic derangements and enhance lipolysis in obesity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1867-1875.	3.8	168
5	Chicoric acid prevents PDGF-BB-induced VSMC dedifferentiation, proliferation and migration by suppressing ROS/NFÎºB/mTOR/P70S6K signaling cascade. Redox Biology, 2018, 14, 656-668.	9.0	167
6	Polysulfide-mediated sulfhydration of SIRT1 prevents diabetic nephropathy by suppressing phosphorylation and acetylation of p65 NF-ÎºB and STAT3. Redox Biology, 2021, 38, 101813.	9.0	99
7	Salusin-Î² Promotes Vascular Smooth Muscle Cell Migration and Intimal Hyperplasia After Vascular Injury<i>via</i>ROS/NFÎºB/MMP-9 Pathway. Antioxidants and Redox Signaling, 2016, 24, 1045-1057.	5.4	94
8	MiR155â€5p in adventitial fibroblastsâ€derived extracellular vesicles inhibits vascular smooth muscle cell proliferation via suppressing angiotensinâ€converting enzyme expression. Journal of Extracellular Vesicles, 2020, 9, 1698795.	12.2	89
9	NLRP3 Gene Deletion Attenuates Angiotensin II-Induced Phenotypic Transformation of Vascular Smooth Muscle Cells and Vascular Remodeling. Cellular Physiology and Biochemistry, 2017, 44, 2269-2280.	1.6	88
10	Hydrogen Sulfide: Recent Progression and Perspectives for the Treatment of Diabetic Nephropathy. Molecules, 2019, 24, 2857.	3.8	68
11	Salusin-Î² contributes to vascular remodeling associated with hypertension via promoting vascular smooth muscle cell proliferation and vascular fibrosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1709-1718.	3.8	63
12	Endothelial dysfunction and cardiometabolic diseases: Role of long non-coding RNAs. Life Sciences, 2016, 167, 6-11.	4.3	57
13	Implications of hydrogen sulfide in liver pathophysiology: Mechanistic insights and therapeutic potential. Journal of Advanced Research, 2021, 27, 127-135.	9.5	53
14	Nesfatin-1 functions as a switch for phenotype transformation and proliferation of VSMCs in hypertensive vascular remodeling. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2154-2168.	3.8	50
15	Salusin-Î² in paraventricular nucleus increases blood pressure and sympathetic outflow via vasopressin in hypertensive rats. Cardiovascular Research, 2013, 98, 344-351.	3.8	49
16	FGF-2-mediated FGFR1 signaling in human microvascular endothelial cells is activated by vaccarin to promote angiogenesis. Biomedicine and Pharmacotherapy, 2017, 95, 144-152.	5.6	41
17	Salusin-Î² mediates tubular cell apoptosis in acute kidney injury: Involvement of the PKC/ROS signaling pathway. Redox Biology, 2020, 30, 101411.	9.0	41
18	Salusin-Î² induces foam cell formation and monocyte adhesion in human vascular smooth muscle cells via miR155/NOX2/NFÎºB pathway. Scientific Reports, 2016, 6, 23596.	3.3	40

#	Article	IF	Citations
19	Relaxin in paraventricular nucleus contributes to sympathetic overdrive and hypertension via PI3K-Akt pathway. Neuropharmacology, 2016, 103, 247-256.	4.1	36
20	Angiotensin II and Angiotensin-(1-7) in Paraventricular Nucleus Modulate Cardiac Sympathetic Afferent Reflex in Renovascular Hypertensive Rats. PLoS ONE, 2012, 7, e52557.	2.5	35
21	An updated pharmacological insight of resveratrol in the treatment of diabetic nephropathy. Gene, 2021, 780, 145532.	2.2	32
22	Current Opinion for Hypertension in Renal Fibrosis. Advances in Experimental Medicine and Biology, 2019, 1165, 37-47.	1.6	30
23	Curcumin attenuates migration of vascular smooth muscle cells via inhibiting NFÎºB-mediated NLRP3 expression in spontaneously hypertensive rats. Journal of Nutritional Biochemistry, 2019, 72, 108212.	4.2	29
24	Roles of circular RNAs in diabetic complications: From molecular mechanisms to therapeutic potential. Gene, 2020, 763, 145066.	2.2	27
25	Nesfatin-1 promotes VSMC migration and neointimal hyperplasia by upregulating matrix metalloproteinases and downregulating PPARÎ³. Biomedicine and Pharmacotherapy, 2018, 102, 711-717.	5.6	26
26	Induction of caveolin-3/eNOS complex by nitroxyl (HNO) ameliorates diabetic cardiomyopathy. Redox Biology, 2020, 32, 101493.	9.0	25
27	Salusin-<i>Î²</i> Is Involved in Diabetes Mellitus-Induced Endothelial Dysfunction via Degradation of Peroxisome Proliferator-Activated Receptor Gamma. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.	4.0	24
28	MiRNAs, lncRNAs, and circular RNAs as mediators in hypertension-related vascular smooth muscle cell dysfunction. Hypertension Research, 2021, 44, 129-146.	2.7	24
29	Pterostilbene protects against uraemia serum-induced endothelial cell damage via activation of Keap1/Nrf2/HO-1 signaling. International Urology and Nephrology, 2018, 50, 559-570.	1.4	20
30	CO-releasing molecules-2 attenuates ox-LDL-induced injury in HUVECs by ameliorating mitochondrial function and inhibiting Wnt/Î²-catenin pathway. Biochemical and Biophysical Research Communications, 2017, 490, 629-635.	2.1	18
31	Stimulation of Na⁺/K⁺-ATPase with an Antibody against Its 4thExtracellular Region Attenuates Angiotensin II-Induced H9c2 Cardiomyocyte Hypertrophy via an AMPK/SIRT3/PPAR<i>Î³</i>Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-16.	4.0	18
32	Polysulfide and Hydrogen Sulfide Ameliorate Cisplatin-Induced Nephrotoxicity and Renal Inflammation through Persulfidating STAT3 and IKKÎ². International Journal of Molecular Sciences, 2020, 21, 7805.	4.1	18
33	Role of nitroxyl (HNO) in cardiovascular system: From biochemistry to pharmacology. Pharmacological Research, 2020, 159, 104961.	7.1	18
34	An Updated Insight Into Molecular Mechanism of Hydrogen Sulfide in Cardiomyopathy and Myocardial Ischemia/Reperfusion Injury Under Diabetes. Frontiers in Pharmacology, 2021, 12, 651884.	3.5	18
35	Superoxide Anions and NO in the Paraventricular Nucleus Modulate the Cardiac Sympathetic Afferent Reflex in Obese Rats. International Journal of Molecular Sciences, 2018, 19, 59.	4.1	17
36	Angiotensin-(1â€"7) enhances the effects of angiotensin II on the cardiac sympathetic afferent reflex and sympathetic activity in rostral ventrolateral medulla in renovascular hypertensive rats. Journal of the American Society of Hypertension, 2015, 9, 865-877.	2.3	16

#	Article	IF	Citations
37	Death-associated protein kinase 3 deficiency alleviates vascular calcification via AMPK-mediated inhibition of endoplasmic reticulum stress. European Journal of Pharmacology, 2019, 852, 90-98.	3.5	15
38	Nitroxyl as a Potential Theranostic in the Cancer Arena. Antioxidants and Redox Signaling, 2020, 32, 331-349.	5.4	15
39	LncRNAs and circular RNAs as endothelial cell messengers in hypertension: mechanism insights and therapeutic potential. Molecular Biology Reports, 2020, 47, 5535-5547.	2.3	15
40	Transneuronal tracing of central autonomic regions involved in cardiac sympathetic afferent reflex in rats. Journal of the Neurological Sciences, 2014, 342, 45-51.	0.6	14
41	Differences in sympathetic nervous system activity and NMDA receptor levels within the hypothalamic paraventricular nucleus in rats with differential ejaculatory behavior. Asian Journal of Andrology, 2018, 20, 355.	1.6	13
42	Intermedin in the Paraventricular Nucleus Attenuates Cardiac Sympathetic Afferent Reflex in Chronic Heart Failure Rats. PLoS ONE, 2014, 9, e94234.	2.5	12
43	Extracellular Vesicle-Mediated Vascular Cell Communications in Hypertension: Mechanism Insights and Therapeutic Potential of ncRNAs. Cardiovascular Drugs and Therapy, 2020, , 1.	2.6	12
44	Benefits of Curcumin in the Vasculature: A Therapeutic Candidate for Vascular Remodeling in Arterial Hypertension and Pulmonary Arterial Hypertension?. Frontiers in Physiology, 2022, 13, 848867.	2.8	11
45	DR-region of Na⁺/K⁺-ATPase is a target to ameliorate hepatic insulin resistance in obese diabetic mice. Theranostics, 2020, 10, 6149-6166.	10.0	8
46	Quantitative proteomics reveals the regulatory networks of circular RNA BTBD7_hsa_circ_0000563 in human coronary artery. Journal of Clinical Laboratory Analysis, 2020, 34, e23495.	2.1	7
47	Neuronal and Endothelial Nitric Oxide Synthases in the Paraventricular Nucleus Modulate Sympathetic Overdrive in Insulin-Resistant Rats. PLoS ONE, 2015, 10, e0140762.	2.5	7
48	A Newly Synthesized Flavone from Luteolin Escapes from COMT-Catalyzed Methylation and Inhibits Lipopolysaccharide-Induced Inflammation in RAW264.7 Macrophages via JNK, p38 and NF-Î°B Signaling Pathways. Journal of Microbiology and Biotechnology, 2022, 32, 15-26.	2.1	6
49	Therapeutic potential of carbon monoxide in hypertension-induced vascular smooth muscle cell damage revisited: From physiology and pharmacology. Biochemical Pharmacology, 2022, 199, 115008.	4.4	5
50	Cardiac sympathetic afferent reflex response to intermedin microinjection into paraventricular nucleus is mediated by nitric oxide and Î³-amino butyric acid in hypertensive rats. Experimental Biology and Medicine, 2014, 239, 1352-1359.	2.4	4
51	The Role of H2S in the Metabolism of Glucose and Lipids. Advances in Experimental Medicine and Biology, 2021, 1315, 51-66.	1.6	2
52	Response to Angiotensin-(1â€“7) and Kidney Disease: Friend or Foe. Hypertension, 2013, 62, .	2.7	0