

# Hai-Jian Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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- $\kappa$ B Signaling Pathways. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 15-26.	2.1	6
2	Therapeutic potential of carbon monoxide in hypertension-induced vascular smooth muscle cell damage revisited: From physiology and pharmacology. <i>Biochemical Pharmacology</i> , 2022, 199, 115008.	4.4	5
3	Benefits of Curcumin in the Vasculature: A Therapeutic Candidate for Vascular Remodeling in Arterial Hypertension and Pulmonary Arterial Hypertension?. <i>Frontiers in Physiology</i> , 2022, 13, 848867.	2.8	11
4	Implications of hydrogen sulfide in liver pathophysiology: Mechanistic insights and therapeutic potential. <i>Journal of Advanced Research</i> , 2021, 27, 127-135.	9.5	53
5	MiRNAs, lncRNAs, and circular RNAs as mediators in hypertension-related vascular smooth muscle cell dysfunction. <i>Hypertension Research</i> , 2021, 44, 129-146.	2.7	24
6	Polysulfide-mediated sulfhydration of SIRT1 prevents diabetic nephropathy by suppressing phosphorylation and acetylation of p65 NF- $\kappa$ B and STAT3. <i>Redox Biology</i> , 2021, 38, 101813.	9.0	99
7	An updated pharmacological insight of resveratrol in the treatment of diabetic nephropathy. <i>Gene</i> , 2021, 780, 145532.	2.2	32
8	The Role of H <sub>2</sub> S in the Metabolism of Glucose and Lipids. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1315, 51-66.	1.6	2
9	An Updated Insight Into Molecular Mechanism of Hydrogen Sulfide in Cardiomyopathy and Myocardial Ischemia/Reperfusion Injury Under Diabetes. <i>Frontiers in Pharmacology</i> , 2021, 12, 651884.	3.5	18
10	Nitroxyl as a Potential Theranostic in the Cancer Arena. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 331-349.	5.4	15
11	Salusin- $\eta^2$ mediates tubular cell apoptosis in acute kidney injury: Involvement of the PKC/ROS signaling pathway. <i>Redox Biology</i> , 2020, 30, 101411.	9.0	41
12	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.	12.2	89
13	Quantitative proteomics reveals the regulatory networks of circular RNA BTBD7_hsa_circ_0000563 in human coronary artery. <i>Journal of Clinical Laboratory Analysis</i> , 2020, 34, e23495.	2.1	7
14	Polysulfide and Hydrogen Sulfide Ameliorate Cisplatin-Induced Nephrotoxicity and Renal Inflammation through Persulfidating STAT3 and IKK $\beta$ . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7805.	4.1	18
15	Extracellular Vesicle-Mediated Vascular Cell Communications in Hypertension: Mechanism Insights and Therapeutic Potential of ncRNAs. <i>Cardiovascular Drugs and Therapy</i> , 2020, , 1.	2.6	12
16	Roles of circular RNAs in diabetic complications: From molecular mechanisms to therapeutic potential. <i>Gene</i> , 2020, 763, 145066.	2.2	27
17	Role of nitroxyl (HNO) in cardiovascular system: From biochemistry to pharmacology. <i>Pharmacological Research</i> , 2020, 159, 104961.	7.1	18
18	lncRNAs and circular RNAs as endothelial cell messengers in hypertension: mechanism insights and therapeutic potential. <i>Molecular Biology Reports</i> , 2020, 47, 5535-5547.	2.3	15

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19	DR-region of Na <sup>+</sup> /K <sup>+</sup> -ATPase is a target to ameliorate hepatic insulin resistance in obese diabetic mice. <i>Theranostics</i> , 2020, 10, 6149-6166.	10.0	8
20	Induction of caveolin-3/eNOS complex by nitroxyl (HNO) ameliorates diabetic cardiomyopathy. <i>Redox Biology</i> , 2020, 32, 101493.	9.0	25
21	Hydrogen Sulfide: Recent Progression and Perspectives for the Treatment of Diabetic Nephropathy. <i>Molecules</i> , 2019, 24, 2857.	3.8	68
22	Current Opinion for Hypertension in Renal Fibrosis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1165, 37-47.	1.6	30
23	Stimulation of Na <sup>+</sup> /K <sup>+</sup> -ATPase with an Antibody against Its 4 <sup>th</sup> Extracellular Region Attenuates Angiotensin II-Induced H9c2 Cardiomyocyte Hypertrophy via an AMPK/SIRT3/PPAR $\alpha$ Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	4.0	18
24	Curcumin attenuates migration of vascular smooth muscle cells via inhibiting NF $\kappa$ B-mediated NLRP3 expression in spontaneously hypertensive rats. <i>Journal of Nutritional Biochemistry</i> , 2019, 72, 108212.	4.2	29
25	Death-associated protein kinase 3 deficiency alleviates vascular calcification via AMPK-mediated inhibition of endoplasmic reticulum stress. <i>European Journal of Pharmacology</i> , 2019, 852, 90-98.	3.5	15
26	Role of Endothelial Dysfunction in Cardiovascular Diseases: The Link Between Inflammation and Hydrogen Sulfide. <i>Frontiers in Pharmacology</i> , 2019, 10, 1568.	3.5	300
27	Nesfatin-1 promotes VSMC migration and neointimal hyperplasia by upregulating matrix metalloproteinases and downregulating PPAR $\alpha$ . <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 711-717.	5.6	26
28	Nesfatin-1 functions as a switch for phenotype transformation and proliferation of VSMCs in hypertensive vascular remodeling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2154-2168.	3.8	50
29	Pterostilbene protects against uraemia serum-induced endothelial cell damage via activation of Keap1/Nrf2/HO-1 signaling. <i>International Urology and Nephrology</i> , 2018, 50, 559-570.	1.4	20
30	Chicoric acid prevents PDGF-BB-induced VSMC dedifferentiation, proliferation and migration by suppressing ROS/NF $\kappa$ B/mTOR/P70S6K signaling cascade. <i>Redox Biology</i> , 2018, 14, 656-668.	9.0	167
31	Superoxide Anions and NO in the Paraventricular Nucleus Modulate the Cardiac Sympathetic Afferent Reflex in Obese Rats. <i>International Journal of Molecular Sciences</i> , 2018, 19, 59.	4.1	17
32	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.	1.6	13
33	CO-releasing molecules-2 attenuates ox-LDL-induced injury in HUVECs by ameliorating mitochondrial function and inhibiting Wnt/ $\beta$ 2-catenin pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 629-635.	2.1	18
34	NLRP3 inflammasome activation contributes to VSMC phenotypic transformation and proliferation in hypertension. <i>Cell Death and Disease</i> , 2017, 8, e3074-e3074.	6.3	179
35	FGF-2-mediated FGFR1 signaling in human microvascular endothelial cells is activated by vaccarin to promote angiogenesis. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 144-152.	5.6	41
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.	1.6	88

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37	Salusin- $\hat{1}^2$ Is Involved in Diabetes Mellitus-Induced Endothelial Dysfunction via Degradation of Peroxisome Proliferator-Activated Receptor Gamma. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	4.0	24
38	Endothelial dysfunction and cardiometabolic diseases: Role of long non-coding RNAs. <i>Life Sciences</i> , 2016, 167, 6-11.	4.3	57
39	Salusin- $\hat{1}^2$ induces foam cell formation and monocyte adhesion in human vascular smooth muscle cells via miR155/NOX2/NF $\hat{1}^B$ pathway. <i>Scientific Reports</i> , 2016, 6, 23596.	3.3	40
40	Relaxin in paraventricular nucleus contributes to sympathetic overdrive and hypertension via PI3K-Akt pathway. <i>Neuropharmacology</i> , 2016, 103, 247-256.	4.1	36
41	Salusin- $\hat{1}^2$ Promotes Vascular Smooth Muscle Cell Migration and Intimal Hyperplasia After Vascular Injury via ROS/NF $\hat{1}^B$ /MMP-9 Pathway. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 1045-1057.	5.4	94
42	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, 839-850.	4.3	263
43	Salusin- $\hat{1}^2$ 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, 1709-1718.	3.8	63
44	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, 1867-1875.	3.8	168
45	Angiotensin-(1-7) enhances the effects of angiotensin II on the cardiac sympathetic afferent reflex and sympathetic activity in rostral ventrolateral medulla in renovascular hypertensive rats. <i>Journal of the American Society of Hypertension</i> , 2015, 9, 865-877.	2.3	16
46	Neuronal and Endothelial Nitric Oxide Synthases in the Paraventricular Nucleus Modulate Sympathetic Overdrive in Insulin-Resistant Rats. <i>PLoS ONE</i> , 2015, 10, e0140762.	2.5	7
47	Intermedin in the Paraventricular Nucleus Attenuates Cardiac Sympathetic Afferent Reflex in Chronic Heart Failure Rats. <i>PLoS ONE</i> , 2014, 9, e94234.	2.5	12
48	Cardiac sympathetic afferent reflex response to intermedin microinjection into paraventricular nucleus is mediated by nitric oxide and $\hat{1}^3$ -amino butyric acid in hypertensive rats. <i>Experimental Biology and Medicine</i> , 2014, 239, 1352-1359.	2.4	4
49	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.	0.6	14
50	Salusin- $\hat{1}^2$ in paraventricular nucleus increases blood pressure and sympathetic outflow via vasopressin in hypertensive rats. <i>Cardiovascular Research</i> , 2013, 98, 344-351.	3.8	49
51	Response to Angiotensin-(1-7) and Kidney Disease: Friend or Foe. <i>Hypertension</i> , 2013, 62, .	2.7	0
52	Angiotensin II and Angiotensin-(1-7) in Paraventricular Nucleus Modulate Cardiac Sympathetic Afferent Reflex in Renovascular Hypertensive Rats. <i>PLoS ONE</i> , 2012, 7, e25557.	2.5	35