Junbao Du

List of Publications by Year
in descending order

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57 papers	2,387 citations	257450 24 h-index	206112 48 g-index
59 all docs	59 docs citations	59 times ranked	2033 citing authors

#	Article	IF	Citations
1	The possible role of hydrogen sulfide on the pathogenesis of spontaneous hypertension in rats. Biochemical and Biophysical Research Communications, 2004, 313, 22-27.	2.1	305
2	The role of hydrogen sulfide generation in the pathogenesis of hypertension in rats induced by inhibition of nitric oxide synthase. Journal of Hypertension, 2003, 21, 1879-1885.	0.5	219
3	The possible role of hydrogen sulfide as a smooth muscle cell proliferation inhibitor in rat cultured cells. Heart and Vessels, 2004, 19, 75-80.	1.2	166
4	Endogenous generation of sulfur dioxide in rat tissues. Biochemical and Biophysical Research Communications, 2011, 415, 61-67.	2.1	124
5	H2S-Induced Sulfhydration: Biological Function and Detection Methodology. Frontiers in Pharmacology, 2017, 8, 608.	3.5	124
6	Hydrogen Sulfide Suppresses Oxidized Low-density Lipoprotein (Ox-LDL)-stimulated Monocyte Chemoattractant Protein 1 generation from Macrophages via the Nuclear Factor ÎºB (NF-Îº B) Pathway. Journal of Biological Chemistry, 2014, 289, 9741-9753.	3.4	120
7	Hydrogen Sulfide Attenuates Hyperhomocysteinemia-Induced Cardiomyocytic Endoplasmic Reticulum Stress in Rats. Antioxidants and Redox Signaling, 2010, 12, 1079-1091.	5.4	92
8	Effects of sulfur dioxide on hypoxic pulmonary vascular structural remodeling. Laboratory Investigation, 2010, 90, 68-82.	3.7	85
9	Hydrogen sulfide and vascular regulation â€“ An update. Journal of Advanced Research, 2021, 27, 85-97.	9.5	79
10	Endogenous Sulfur Dioxide: A New Member of Gasotransmitter Family in the Cardiovascular System. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	4.0	78
11	Regulatory effects of sulfur dioxide on the development of atherosclerotic lesions and vascular hydrogen sulfide in atherosclerotic rats. Atherosclerosis, 2011, 215, 323-330.	0.8	75
12	Down-regulated CBS/H2S pathway is involved in high-salt-induced hypertension in Dahl rats. Nitric Oxide - Biology and Chemistry, 2015, 46, 192-203.	2.7	74
13	Sulfur dioxide upregulates the inhibited endogenous hydrogen sulfide pathway in rats with pulmonary hypertension induced by high pulmonary blood flow. Biochemical and Biophysical Research Communications, 2013, 433, 519-525.	2.1	44
14	Endogeous sulfur dioxide protects against oleic acid-induced acute lung injury in association with inhibition of oxidative stress in rats. Laboratory Investigation, 2015, 95, 142-156.	3.7	42
15	H2S inhibits pulmonary arterial endothelial cell inflammation in rats with monocrotaline-induced pulmonary hypertension. Laboratory Investigation, 2017, 97, 268-278.	3.7	42
16	Hydrogen Sulfide Inhibits High-Salt Diet-Induced Renal Oxidative Stress and Kidney Injury in Dahl Rats. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-15.	4.0	40
17	Risk Factors for Postural Tachycardia Syndrome in Children and Adolescents. PLoS ONE, 2014, 9, e113625.	2.5	39
18	Endogenous Sulfur Dioxide Aggravates Myocardial Injury in Isolated Rat Heart With Ischemia and Reperfusion. Transplantation, 2009, 87, 517-524.	1.0	36

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19	Sulphur dioxide suppresses inflammatory response by sulphenylating NF-ÎºB p65 at Cys38 in a rat model of acute lung injury. Clinical Science, 2017, 131, 2655-2670.	4.3	36
20	Endogenous sulfur dioxide alleviates collagen remodeling via inhibiting TGF-Î²/Smad pathway in vascular smooth muscle cells. Scientific Reports, 2016, 6, 19503.	3.3	33
21	Endogenous hydrogen sulfide sulfhydrates IKKÎ² at cysteine 179 to control pulmonary artery endothelial cell inflammation. Clinical Science, 2019, 133, 2045-2059.	4.3	32
22	Downregulated endogenous sulfur dioxide/aspartate aminotransferase pathway is involved in angiotensin II-stimulated cardiomyocyte autophagy and myocardial hypertrophy in mice. International Journal of Cardiology, 2016, 225, 392-401.	1.7	31
23	A cross-sectional study on upright heart rate and BP changing characteristics: basic data for establishing diagnosis of postural orthostatic tachycardia syndrome and orthostatic hypertension. BMJ Open, 2015, 5, e007356-e007356.	1.9	27
24	Sodium hydrosulfide alleviates pulmonary artery collagen remodeling in rats with high pulmonary blood flow. Heart and Vessels, 2008, 23, 409-419.	1.2	26
25	Mechanical stretching stimulates collagen synthesis via down-regulating SO2/AAT1 pathway. Scientific Reports, 2016, 6, 21112.	3.3	23
26	Sulfur Dioxide Protects Against Collagen Accumulation in Pulmonary Artery in Association With Downregulation of the Transforming Growth Factor Î²1/Smad Pathway in Pulmonary Hypertensive Rats. Journal of the American Heart Association, 2016, 5, .	3.7	23
27	The vasodilatory effect of sulfur dioxide via SGC/cGMP/PKG pathway in association with sulfhydryl-dependent dimerization. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R1073-R1080.	1.8	22
28	Hydrogen Sulfide Inhibits High-Salt Diet-Induced Myocardial Oxidative Stress and Myocardial Hypertrophy in Dahl Rats. Frontiers in Pharmacology, 2017, 08, 128.	3.5	22
29	Endogenous SO2-dependent Smad3 redox modification controls vascular remodeling. Redox Biology, 2021, 41, 101898.	9.0	22
30	Downregulation of Endogenous Hydrogen Sulfide Pathway Is Involved in Mitochondrion-Related Endothelial Cell Apoptosis Induced by High Salt. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-11.	4.0	21
31	Erythrocytic Hydrogen Sulfide Production Is Increased in Children with Vasovagal Syncope. Journal of Pediatrics, 2015, 166, 965-969.	1.8	21
32	Endogenous sulfur dioxide is a novel adipocyte-derived inflammatory inhibitor. Scientific Reports, 2016, 6, 27026.	3.3	21
33	Frequency Domain Indices of Heart Rate Variability are Useful for Differentiating Vasovagal Syncope and Postural Tachycardia Syndrome in Children. Journal of Pediatrics, 2019, 207, 59-63.	1.8	21
34	l-Cystathionine Inhibits the Mitochondria-Mediated Macrophage Apoptosis Induced by Oxidized Low Density Lipoprotein. International Journal of Molecular Sciences, 2014, 15, 23059-23073.	4.1	18
35	Role of Endogenous Sulfur Dioxide in Regulating Vascular Structural Remodeling in Hypertension. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	18
36	Acceleration Index Predicts Efficacy of Orthostatic Training on Vasovagal Syncope in Children. Journal of Pediatrics, 2019, 207, 54-58.	1.8	18

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37	L-Cystathionine Protects against Homocysteine-Induced Mitochondria-Dependent Apoptosis of Vascular Endothelial Cells. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	4.0	16
38	Macrophage-derived sulfur dioxide is a novel inflammation regulator. Biochemical and Biophysical Research Communications, 2020, 524, 916-922.	2.1	16
39	L-cystathionine inhibits oxidized low density lipoprotein-induced THP-1-derived macrophage inflammatory cytokine monocyte chemoattractant protein-1 generation via the NF-Î°B pathway. Scientific Reports, 2015, 5, 10453.	3.3	15
40	Endothelin-1 Downregulates Sulfur Dioxide/Aspartate Aminotransferase Pathway via Reactive Oxygen Species to Promote the Proliferation and Migration of Vascular Smooth Muscle Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	4.0	14
41	Negative auto-regulation of sulfur dioxide generation in vascular endothelial cells: AAT1 S-sulfenylation. Biochemical and Biophysical Research Communications, 2020, 525, 231-237.	2.1	14
42	Effect of endogenous sulfur dioxide in regulating cardiovascular oxidative stress. Histology and Histopathology, 2014, 29, 1107-11.	0.7	12
43	Total Peripheral Vascular Resistance, Cardiac Output, and Plasma C-TypeÂNatriuretic Peptide Level in Children with Postural TachycardiaÂSyndrome. Journal of Pediatrics, 2015, 166, 1385-1389.e2.	1.8	11
44	Angiotensin II downregulates vascular endothelial cell hydrogen sulfide production by enhancing cystathionine Î³-lyase degradation through ROS-activated ubiquitination pathway. Biochemical and Biophysical Research Communications, 2019, 514, 907-912.	2.1	11
45	Endogenous sulfur dioxide is a novel inhibitor of hypoxia-induced mast cell degranulation. Journal of Advanced Research, 2021, 29, 55-65.	9.5	11
46	Sulfur Dioxide Activates Cl-/HCO3- Exchanger via Sulphenylating AE2 to Reduce Intracellular pH in Vascular Smooth Muscle Cells. Frontiers in Pharmacology, 2019, 10, 313.	3.5	8
47	Endogenous sulfur dioxide is a new gasotransmitter with promising therapeutic potential in cardiovascular system. Science Bulletin, 2021, 66, 1604-1607.	9.0	8
48	Endogenous Hydrogen Sulfide Persulfidates Caspase-3 at Cysteine 163 to Inhibit Doxorubicin-Induced Cardiomyocyte Apoptosis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-20.	4.0	8
49	Endothelial Cell-Derived SO2 Controls Endothelial Cell Inflammation, Smooth Muscle Cell Proliferation, and Collagen Synthesis to Inhibit Hypoxic Pulmonary Vascular Remodelling. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-14.	4.0	6
50	Compensatory role of endogenous sulfur dioxide in nitric oxide deficiency-induced hypertension. Redox Biology, 2021, 48, 102192.	9.0	5
51	Sulphenylation of CypD at Cysteine 104: A Novel Mechanism by Which SO2 Inhibits Cardiomyocyte Apoptosis. Frontiers in Cell and Developmental Biology, 2021, 9, 784799.	3.7	4
52	Risk Factors for Orthostatic Hypertension in Children. Journal of Pediatrics, 2020, 227, 212-217.e1.	1.8	2
53	Urotensin II increases endothelin production by vascular smooth muscle cells in rats. Science Bulletin, 2002, 47, 1007-1010.	1.7	1
54	Endogenous Taurine Downregulation Is Required for Renal Injury in Salt-Sensitive Hypertensive Rats via CBS/H2S Inhibition. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-20.	4.0	1

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55	Interaction between endogenous nitric oxide and carbon monoxide in the pathogenesis of hypoxic pulmonary hypertension. Science Bulletin, 2003, 48, 86-90.	1.7	0
56	RE-TREATMENT AND RISK FACTORS OF REFRACTORY KAWASAKI DISEASE. Pediatrics, 2008, 121, S161.2-S161.	2.1	0
57	Design of a differential driven shorted annular ring antenna. Frequenz, 2022, .	0.9	0