

List of Publications by Year in
Descending Order

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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.

71 papers	3,327 citations	28 h-index	57 g-index
84 ext. papers	4,616 ext. citations	8.6 avg, IF	5.22 L-index

#	Paper	IF	Citations
71	Caspase-4/11-Mediated Pulmonary Artery Endothelial Cell Pyroptosis Contributes to Pulmonary Arterial Hypertension.. <i>Hypertension</i> , 2022 , HYPERTENSIONAHA12117868	8.5	3
70	Single-Cell Transcriptome Analysis Reveals Embryonic Endothelial Heterogeneity at Spatiotemporal Level and Multifunctions of MicroRNA-126 in Mice.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , ATVBAHA121317093	9.4	3
69	Response by Zhang and Ji to Letter Regarding Article, "HINT1 (Histidine Triad Nucleotide-Binding Protein 1) Attenuates Cardiac Hypertrophy Via Suppressing HOXA5 (Homeobox A5) Expression".. <i>Circulation</i> , 2022 , 145, e151-e152	16.7	
68	Hsp90 α -nitrosylation at Cys521, as a conformational switch, modulates cycling of Hsp90-AHA1-CDC37 chaperone machine to aggravate atherosclerosis.. <i>Redox Biology</i> , 2022 , 52, 102290	11.3	0
67	Implications of cardiac markers in risk-stratification and management for COVID-19 patients. <i>Critical Care</i> , 2021 , 25, 158	10.8	7
66	Genetic fate-mapping reveals surface accumulation but not deep organ invasion of pleural and peritoneal cavity macrophages following injury. <i>Nature Communications</i> , 2021 , 12, 2863	17.4	7
65	S-nitrosylation of c-Jun N-terminal kinase mediates pressure overload-induced cardiac dysfunction and fibrosis. <i>Acta Pharmacologica Sinica</i> , 2021 ,	8	1
64	Inhibition of HSP90 S-nitrosylation alleviates cardiac fibrosis via TGF β /SMAD3 signalling pathway. <i>British Journal of Pharmacology</i> , 2021 , 178, 4608-4625	8.6	4
63	S-nitrosylation-mediated coupling of G-protein alpha-2 with CXCR5 induces Hippo/YAP-dependent diabetes-accelerated atherosclerosis. <i>Nature Communications</i> , 2021 , 12, 4452	17.4	5
62	Hydrogen Sulfide Alleviates Liver Injury Through the S-Sulphydrated-Kelch-Like ECH-Associated Protein 1/Nuclear Erythroid 2-Related Factor 2/Low-Density Lipoprotein Receptor-Related Protein 1 Pathway. <i>Hepatology</i> , 2021 , 73, 282-302	11.2	26
61	Proliferation tracing reveals regional hepatocyte generation in liver homeostasis and repair. <i>Science</i> , 2021 , 371,	33.3	41
60	Immunological Feature and Transcriptional Signaling of Ly6C Monocyte Subsets From Transcriptome Analysis in Control and Hyperhomocysteinemic Mice. <i>Frontiers in Immunology</i> , 2021 , 12, 632333	8.4	3
59	HINT1 (Histidine Triad Nucleotide-Binding Protein 1) Attenuates Cardiac Hypertrophy Via Suppressing HOXA5 (Homeobox A5) Expression. <i>Circulation</i> , 2021 , 144, 638-654	16.7	7
58	Molecular processes mediating hyperhomocysteinemia-induced metabolic reprogramming, redox regulation and growth inhibition in endothelial cells. <i>Redox Biology</i> , 2021 , 45, 102018	11.3	2
57	Endothelial peroxynitrite causes disturbance of neuronal oscillations by targeting caspase-1 in the arcuate nucleus. <i>Redox Biology</i> , 2021 , 47, 102147	11.3	1
56	Adaptive Immune Response Signaling Is Suppressed in Ly6C Monocyte but Upregulated in Monocyte Subsets of Mice - Functional Implication in Atherosclerosis.. <i>Frontiers in Immunology</i> , 2021 , 12, 809208	8.4	0
55	S-nitrosylation of Hsp90 promotes cardiac hypertrophy in mice through GSK3 β signaling.. <i>Acta Pharmacologica Sinica</i> , 2021 ,	8	1

54	Progress on familial hypercholesterolemia. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2021 , 43, 1011-1022	1.4	0
53	Generation of a self-cleaved inducible Cre recombinase for efficient temporal genetic manipulation. <i>EMBO Journal</i> , 2020 , 39, e102675	13	9
52	A genetic system for tissue-specific inhibition of cell proliferation. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	3
51	BRD4 contributes to LPS-induced macrophage senescence and promotes progression of atherosclerosis-associated lipid uptake. <i>Aging</i> , 2020 , 12, 9240-9259	5.6	15
50	S-Nitrosylation of Plastin-3 Exacerbates Thoracic Aortic Dissection Formation via Endothelial Barrier Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 175-188	9.4	23
49	Arterial Sca1 Vascular Stem Cells Generate De Novo Smooth Muscle for Artery Repair and Regeneration. <i>Cell Stem Cell</i> , 2020 , 26, 81-96.e4	18	54
48	SNO-MLP (S-Nitrosylation of Muscle LIM Protein) Facilitates Myocardial Hypertrophy Through TLR3 (Toll-Like Receptor 3)-Mediated RIP3 (Receptor-Interacting Protein Kinase 3) and NLRP3 (NOD-Like Receptor Pyrin Domain Containing 3) Inflammasome Activation. <i>Circulation</i> , 2020 , 141, 984-1000	16.7	20
47	Kupffer cells promote T-cell hepatitis by producing CXCL10 and limiting liver sinusoidal endothelial cell permeability. <i>Theranostics</i> , 2020 , 10, 7163-7177	12.1	10
46	Hydrogen sulfide: a gaseous signaling molecule modulates tissue homeostasis: implications in ophthalmic diseases. <i>Cell Death and Disease</i> , 2019 , 10, 293	9.8	36
45	Biochemical basis and metabolic interplay of redox regulation. <i>Redox Biology</i> , 2019 , 26, 101284	11.3	98
44	Etatenin alleviates cardiac fibrosis through inhibiting phosphorylation of GSK-3 β <i>Journal of Biomedical Research</i> , 2019 , 1-9	1.5	
43	H S protects against diabetes-accelerated atherosclerosis by preventing the activation of NLRP3 inflammasome. <i>Journal of Biomedical Research</i> , 2019 , 34, 94-102	1.5	14
42	Lineage Tracing Reveals the Bipotency of SOX9 Hepatocytes during Liver Regeneration. <i>Stem Cell Reports</i> , 2019 , 12, 624-638	8	42
41	Combined Primary PCI with Multiple Thrombus Burden Reduction Therapy Improved Cardiac Function in Patients with Acute Anterior Myocardial Infarction. <i>International Heart Journal</i> , 2019 , 60, 27-36	1.8	6
40	eNOS S-nitrosylation mediated OxLDL-induced endothelial dysfunction via increasing the interaction of eNOS with Etatenin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1793-1801	6.9	10
39	Autophagy promotes fibrosis and apoptosis in the peritoneum during long-term peritoneal dialysis. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 1190-1201	5.6	18
38	Hyperhomocysteinemia potentiates diabetes-impaired EDHF-induced vascular relaxation: Role of insufficient hydrogen sulfide. <i>Redox Biology</i> , 2018 , 16, 215-225	11.3	29
37	Identification of homocysteine-suppressive mitochondrial ETC complex genes and tissue expression profile - Novel hypothesis establishment. <i>Redox Biology</i> , 2018 , 17, 70-88	11.3	14

36	Protein S-sulphydration by hydrogen sulfide in cardiovascular system. <i>British Journal of Pharmacology</i> , 2018 , 175, 1146-1156	8.6	53
35	Hydrogen sulfide pretreatment improves mitochondrial function in myocardial hypertrophy via a SIRT3-dependent manner. <i>British Journal of Pharmacology</i> , 2018 , 175, 1126-1145	8.6	76
34	Hydrogen Sulfide As a Potential Target in Preventing Spermatogenic Failure and Testicular Dysfunction. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 1447-1462	8.4	24
33	Immune cell subset differentiation and tissue inflammation. <i>Journal of Hematology and Oncology</i> , 2018 , 11, 97	22.4	64
32	Tension force-induced bone formation in orthodontic tooth movement via modulation of the GSK-3 β /E-catenin signaling pathway. <i>Journal of Molecular Histology</i> , 2018 , 49, 75-84	3.3	9
31	Changes in circulating microRNA-126 levels are associated with immune imbalance in children with acute asthma. <i>International Journal of Immunopathology and Pharmacology</i> , 2018 , 32, 2058738418779243	2.3	12
30	Hydrogen sulfide attenuates oxidative stress-induced NLRP3 inflammasome activation via S-sulphydrating c-Jun at Cys269 in macrophages. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 2890-2900	6.9	33
29	Stress-Activated Kinase Mitogen-Activated Kinase Kinase-7 Governs Epigenetics of Cardiac Repolarization for Arrhythmia Prevention. <i>Circulation</i> , 2017 , 135, 683-699	16.7	11
28	Niacin ameliorates ulcerative colitis via prostaglandin D-mediated D prostanoid receptor 1 activation. <i>EMBO Molecular Medicine</i> , 2017 , 9, 571-588	12	32
27	Production of endogenous hydrogen sulfide in human gingival tissue. <i>Archives of Oral Biology</i> , 2017 , 74, 108-113	2.8	5
26	Metabolism-associated danger signal-induced immune response and reverse immune checkpoint-activated CD40 monocyte differentiation. <i>Journal of Hematology and Oncology</i> , 2017 , 10, 141	22.4	21
25	Metabolic stress-induced cardiomyopathy is caused by mitochondrial dysfunction due to attenuated Erk5 signaling. <i>Nature Communications</i> , 2017 , 8, 494	17.4	40
24	Aliskiren protects against myocardial ischaemia-reperfusion injury via an endothelial nitric oxide synthase dependent manner. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017 , 44, 266-274	3	12
23	SIRT3 Mediates the Antioxidant Effect of Hydrogen Sulfide in Endothelial Cells. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 329-43	8.4	75
22	Hydrogen Sulfide Regulates Kr μ ppeL-Like Factor 5 Transcription Activity via Specificity Protein 1 S-Sulphydration at Cys664 to Prevent Myocardial Hypertrophy. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	43
21	PKA regulatory II β subunit is essential for PGD ₂ -mediated resolution of inflammation. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2209-26	16.6	33
20	Long Noncoding RNA-GAS5: A Novel Regulator of Hypertension-Induced Vascular Remodeling. <i>Hypertension</i> , 2016 , 68, 736-48	8.5	118
19	Hydrogen Sulfide Induces Keap1 S-sulphydration and Suppresses Diabetes-Accelerated Atherosclerosis via Nrf2 Activation. <i>Diabetes</i> , 2016 , 65, 3171-84	0.9	162

18	Aliskiren improves endothelium-dependent relaxation of thoracic aorta by activating PI3K/Akt/eNOS signal pathway in SHR. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016 , 43, 450-8	3	16
17	Soy Isoflavone Protects Myocardial Ischemia/Reperfusion Injury through Increasing Endothelial Nitric Oxide Synthase and Decreasing Oxidative Stress in Ovariectomized Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 5057405	6.7	15
16	Chronic Kidney Disease Induces Inflammatory CD40+ Monocyte Differentiation via Homocysteine Elevation and DNA Hypomethylation. <i>Circulation Research</i> , 2016 , 119, 1226-1241	15.7	51
15	Loss of Caspase-Activated DNase Protects Against Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	6
14	Angiotensin-Converting Enzyme 2 Inhibits Apoptosis of Pulmonary Endothelial Cells During Acute Lung Injury Through Suppressing SMAD2 Phosphorylation. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 2203-12	3.9	35
13	Histone Methyltransferase SET1 Mediates Angiotensin II-Induced Endothelin-1 Transcription and Cardiac Hypertrophy in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1207-17	9.4	39
12	Seipin knockout in mice impairs stem cell proliferation and progenitor cell differentiation in the adult hippocampal dentate gyrus via reduced levels of PPAR γ <i>DMM Disease Models and Mechanisms</i> , 2015 , 8, 1615-24	4.1	13
11	Regulator of G-protein signalling 5 protects against atherosclerosis in apolipoprotein E-deficient mice. <i>British Journal of Pharmacology</i> , 2015 , 172, 5676-89	8.6	24
10	Emerging role of hydrogen sulfide in hypertension and related cardiovascular diseases. <i>British Journal of Pharmacology</i> , 2015 , 172, 5501-11	8.6	72
9	GY4137 protects against myocardial ischemia and reperfusion injury by attenuating oxidative stress and apoptosis in rats. <i>Journal of Biomedical Research</i> , 2015 , 29, 203-13	1.5	72
8	Hydrogen Sulfide Donor GYY4137 Protects against Myocardial Fibrosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 691070	6.7	56
7	Direct renin inhibition with aliskiren protects against myocardial ischemia/reperfusion injury by activating nitric oxide synthase signaling in spontaneously hypertensive rats. <i>Journal of the American Heart Association</i> , 2014 , 3, e000606	6	31
6	Porphyromonas gingivalis infection reduces regulatory T cells in infected atherosclerosis patients. <i>PLoS ONE</i> , 2014 , 9, e86599	3.7	28
5	The hydrogen sulfide donor, GYY4137, exhibits anti-atherosclerotic activity in high fat fed apolipoprotein E(-/-) mice. <i>British Journal of Pharmacology</i> , 2013 , 169, 1795-809	8.6	129
4	Pyridoxine prevents dysfunction of endothelial cell nitric oxide production in response to low-density lipoprotein. <i>Atherosclerosis</i> , 2006 , 188, 84-94	3.1	14
3	Inhibition of endothelial nitric oxide generation by low-density lipoprotein is partially prevented by L-arginine and L-ascorbate. <i>Atherosclerosis</i> , 2004 , 176, 345-53	3.1	10
2	Cardiac effects of amiloride and of enalapril in the spontaneously hypertensive rat. <i>Journal of Hypertension</i> , 2003 , 21, 1583-9	1.9	9
1	Rabbit aortic endothelial dysfunction by low-density lipoprotein is attenuated by L-arginine, L-ascorbate and pyridoxine. <i>British Journal of Pharmacology</i> , 2003 , 140, 1272-82	8.6	11

