Christopher B Pattillo

List of Publications by Year
in descending order

46 papers	2,560 citations	257450 24 h-index	276875 41 g-index
51 all docs	51 docs citations	51 times ranked	3859 citing authors

#	Article	IF	Citations
1	Hydrogen Sulfide Mediates Cardioprotection Through Nrf2 Signaling. Circulation Research, 2009, 105, 365-374.	4.5	652
2	Measurement of plasma hydrogen sulfide in vivo and in vitro. Free Radical Biology and Medicine, 2011, 50, 1021-1031.	2.9	278
3	Chronic sodium nitrite therapy augments ischemia-induced angiogenesis and arteriogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7540-7545.	7.1	178
4	Hydrogen Sulfide Stimulates Ischemic Vascular Remodeling Through Nitric Oxide Synthase and Nitrite Reduction Activity Regulating Hypoxiaâ€inducible Factorâ€1Î± and Vascular Endothelial Growth Factorâ€“Dependent Angiogenesis. Journal of the American Heart Association, 2012, 1, e004093.	3.7	141
5	A Novel Hydrogen Sulfide Prodrug, <scp>SG</scp>1002, Promotes Hydrogen Sulfide and Nitric Oxide Bioavailability in Heart Failure Patients. Cardiovascular Therapeutics, 2015, 33, 216-226.	2.5	125
6	Integrin signaling in atherosclerosis. Cellular and Molecular Life Sciences, 2017, 74, 2263-2282.	5.4	99
7	Inorganic nitrite therapy: historical perspective and future directions. Free Radical Biology and Medicine, 2011, 51, 576-593.	2.9	96
8	A tumor vasculature targeted liposome delivery system for combretastatin A4: Design, characterization, and in vitro evaluation. AAPS PharmSciTech, 2006, 7, E7-E16.	3.3	69
9	Temporal genomewide expression profiling of DSS colitis reveals novel inflammatory and angiogenesis genes similar to ulcerative colitis. Physiological Genomics, 2011, 43, 43-56.	2.3	65
10	Synthetic microvascular networks for quantitative analysis of particle adhesion. Biomedical Microdevices, 2008, 10, 585-595.	2.8	64
11	Targeted delivery of antibody conjugated liposomal drug carriers to rat myocardial infarction. Biotechnology and Bioengineering, 2007, 96, 795-802.	3.3	54
12	Targeting of the Antivascular Drug Combretastatin to Irradiated Tumors Results in Tumor Growth Delay. Pharmaceutical Research, 2005, 22, 1117-1120.	3.5	51
13	EphA2 Expression Regulates Inflammation and Fibroproliferative Remodeling in Atherosclerosis. Circulation, 2017, 136, 566-582.	1.6	50
14	Dipyridamole enhances ischaemia-induced arteriogenesis through an endocrine nitrite/nitric oxide-dependent pathway. Cardiovascular Research, 2010, 85, 661-670.	3.8	49
15	Oxidized LDL induces FAK-dependent RSK signaling to drive NF-ÎºB activation and VCAM-1 expression. Journal of Cell Science, 2016, 129, 1580-91.	2.0	45
16	Nitrite Anion Therapy Protects Against Chronic Ischemic Tissue Injury in db/db Diabetic Mice in a NO/VEGF-Dependent Manner. Diabetes, 2014, 63, 270-281.	0.6	42
17	Sigmar1 regulates endoplasmic reticulum stress-induced C/EBP-homologous protein expression in cardiomyocytes. Bioscience Reports, 2017, 37, .	2.4	42
18	Anti-TNFA (TNF-Î±) Treatment Abrogates Radiation-Induced Changes in Vascular Density and Tissue Oxygenation. Radiation Research, 2007, 167, 80-86.	1.5	36

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19	Inorganic nitrite and chronic tissue ischaemia: a novel therapeutic modality for peripheral vascular diseases. Cardiovascular Research, 2011, 89, 533-541.	3.8	36
20	Radiation-Guided Targeting of Combretastatin Encapsulated Immunoliposomes to Mammary Tumors. Pharmaceutical Research, 2009, 26, 1093-1100.	3.5	35
21	Sodium sulfide selectively induces oxidative stress, DNA damage, and mitochondrial dysfunction and radiosensitizes glioblastoma (GBM) cells.. Redox Biology, 2019, 26, 101220.	9.0	32
22	Control of angiogenesis dictated by picomolar superoxide levels. Free Radical Biology and Medicine, 2013, 63, 135-142.	2.9	31
23	Decreases in GSH:GSSG activate vascular endothelial growth factor receptor 2 (VEGFR2) in human aortic endothelial cells. Redox Biology, 2018, 19, 22-27.	9.0	29
24	Dipyridamole reverses peripheral ischemia and induces angiogenesis in the Db/Db diabetic mouse hind-limb model by decreasing oxidative stress. Free Radical Biology and Medicine, 2011, 50, 262-269.	2.9	27
25	Effect of diabetes and hyaluronidase on the retinal endothelial glycocalyx in mice. Experimental Eye Research, 2019, 179, 125-131.	2.6	23
26	Genome expression profiling and network analysis of nitrite therapy during chronic ischemia: Possible mechanisms and interesting molecules. Nitric Oxide - Biology and Chemistry, 2010, 22, 168-179.	2.7	21
27	IL-1Î² reduces cardiac lymphatic muscle contraction via COX-2 and PGE2 induction: Potential role in myocarditis. Biomedicine and Pharmacotherapy, 2018, 107, 1591-1600.	5.6	21
28	ICAM-1 cytoplasmic tail regulates endothelial glutathione synthesis through a NOX4/PI3-kinase-dependent pathway. Free Radical Biology and Medicine, 2010, 49, 1119-1128.	2.9	19
29	Nitrite anion stimulates ischemic arteriogenesis involving NO metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H178-H188.	3.2	18
30	EphA2 stimulates VCAM-1 expression through calcium-dependent NFAT1 activity. Cellular Signalling, 2018, 49, 30-38.	3.6	16
31	Induction of glutathione biosynthesis by glycine-based treatment mitigates atherosclerosis. Redox Biology, 2022, 52, 102313.	9.0	15
32	Oxygen tension, H₂S, and NO bioavailability: is there an interaction?. Journal of Applied Physiology, 2016, 120, 263-270.	2.5	14
33	Differential arterial and venous endothelial redox responses to oxidative stress. Microcirculation, 2018, 25, e12486.	1.8	14
34	Reperfusion of chronic tissue ischemia: nitrite and dipyridamole regulation of innate immune responses. Annals of the New York Academy of Sciences, 2010, 1207, 83-88.	3.8	13
35	VEGF164 isoform specific regulation of T-cell-dependent experimental colitis in mice. Inflammatory Bowel Diseases, 2011, 17, 1501-1512.	1.9	13
36	Hydrogen peroxide in the ER: A tale of triage. Redox Biology, 2020, 28, 101358.	9.0	12

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37	Microvascular transport model predicts oxygenation changes in the infarcted heart after treatment. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3732-H3739.	3.2	10
38	Hyperglycemia-induced effects on glycocalyx components in the retina. Experimental Eye Research, 2021, 213, 108846.	2.6	10
39	EphA2 signaling within integrin adhesions regulates fibrillar adhesion elongation and fibronectin deposition. Matrix Biology, 2021, 103-104, 1-21.	3.6	7
40	Modeling Oxygenation and Selective Delivery of Drug Carriers Post-Myocardial Infarction. , 2008, 614, 333-343.		6
41	Sodium Nitrite Therapy Positively Augments Arteriogenesis as Monitored over Time with Serial Angiography in a Murine Model of Hind Limb Ischemia. Free Radical Biology and Medicine, 2010, 49, S28.	2.9	0
42	ROLE OF DIALLYL TRISULFIDE IN MURINE PERMANENT HIND LIMB ISCHEMIA. Journal of the American College of Cardiology, 2011, 57, E1516.	2.8	0
43	Peripheral Arterial Disease: Pathophysiology and Therapeutics. Colloquium Series on Integrated Systems Physiology From Molecule To Function, 2013, 4, 1-82.	0.3	0
44	Nitrite Therapy Positively Augments Arteriogenesis in a Murine Model of Hind Limb Ischemia. FASEB Journal, 2011, 25, 1092.7.	0.5	0
45	Hydrogen sulfide therapy rescues critical limb ischemia in aged diabetic animals through an eNOS/HIFâ€1/VEGF dependent pathway. FASEB Journal, 2011, 25, 1092.6.	0.5	0
46	Investigating a Ligandâ€receptor Role for Glutathione in Angiogenesis. FASEB Journal, 2022, 36, .	0.5	0