

Christopher G Kevil

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7594666/publications.pdf>

Version: 2024-02-01

162
papers

10,130
citations

36303

51
h-index

39675

94
g-index

166
all docs

166
docs citations

166
times ranked

12463
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Sulfide Mediates Cardioprotection Through Nrf2 Signaling. <i>Circulation Research</i> , 2009, 105, 365-374.	4.5	652
2	Cytoprotective effects of nitrite during in vivo ischemia-reperfusion of the heart and liver. <i>Journal of Clinical Investigation</i> , 2005, 115, 1232-1240.	8.2	585
3	Endothelial Dysfunction and Diabetes: Effects on Angiogenesis, Vascular Remodeling, and Wound Healing. <i>International Journal of Vascular Medicine</i> , 2012, 2012, 1-30.	1.0	440
4	Hydrogen sulfide chemical biology: Pathophysiological roles and detection. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 35, 5-20.	2.7	376
5	Vascular Permeability Factor/Vascular Endothelial Cell Growth Factor-mediated Permeability Occurs through Disorganization of Endothelial Junctional Proteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 15099-15103.	3.4	284
6	Measurement of plasma hydrogen sulfide in vivo and in vitro. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1021-1031.	2.9	278
7	Macrophage Metabolism of Apoptotic Cell-Derived Arginine Promotes Continual Efferocytosis and Resolution of Injury. <i>Cell Metabolism</i> , 2020, 31, 518-533.e10.	16.2	235
8	Analytical measurement of discrete hydrogen sulfide pools in biological specimens. <i>Free Radical Biology and Medicine</i> , 2012, 52, 2276-2283.	2.9	190
9	Chronic sodium nitrite therapy augments ischemia-induced angiogenesis and arteriogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7540-7545.	7.1	178
10	Translational regulation of vascular permeability factor by eukaryotic initiation factor 4E: Implications for tumor angiogenesis. <i>International Journal of Cancer</i> , 1996, 65, 785-790.	5.1	176
11	Biological hydropersulfides and related polysulfides – a new concept and perspective in redox biology. <i>FEBS Letters</i> , 2018, 592, 2140-2152.	2.8	164
12	Self-Immolative Thiocarbamates Provide Access to Triggered H ₂ S Donors and Analyte Replacement Fluorescent Probes. <i>Journal of the American Chemical Society</i> , 2016, 138, 7256-7259.	13.7	156
13	Methamphetamine Use and Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1739-1746.	2.4	155
14	Microbial regulation of host hydrogen sulfide bioavailability and metabolism. <i>Free Radical Biology and Medicine</i> , 2013, 60, 195-200.	2.9	151
15	A tale of two gases: NO and H ₂ S, foes or friends for life?. <i>Redox Biology</i> , 2013, 1, 313-318.	9.0	151
16	Hydrogen Sulfide Attenuates Cardiac Dysfunction After Heart Failure Via Induction of Angiogenesis. <i>Circulation: Heart Failure</i> , 2013, 6, 1077-1086.	3.9	146
17	SNO-hemoglobin is not essential for red blood cell-dependent hypoxic vasodilation. <i>Nature Medicine</i> , 2008, 14, 773-777.	30.7	145
18	Hydrogen Sulfide Stimulates Ischemic Vascular Remodeling Through Nitric Oxide Synthase and Nitrite Reduction Activity Regulating Hypoxia-Inducible Factor-1 α and Vascular Endothelial Growth Factor-Dependent Angiogenesis. <i>Journal of the American Heart Association</i> , 2012, 1, e004093.	3.7	141

#	ARTICLE	IF	CITATIONS
19	Pathogenic angiogenesis in IBD and experimental colitis: new ideas and therapeutic avenues. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, G5-G18.	3.4	133
20	Differential Angiogenic Regulation of Experimental Colitis. <i>American Journal of Pathology</i> , 2006, 169, 2014-2030.	3.8	121
21	Contributions of LFA-1 and Mac-1 to brain injury and microvascular dysfunction induced by transient middle cerebral artery occlusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2555-H2560.	3.2	101
22	An Improved, Rapid Northern Protocol. <i>Biochemical and Biophysical Research Communications</i> , 1997, 238, 277-279.	2.1	99
23	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. <i>Journal of Proteome Research</i> , 2016, 15, 3883-3895.	3.7	98
24	Inorganic nitrite therapy: historical perspective and future directions. <i>Free Radical Biology and Medicine</i> , 2011, 51, 576-593.	2.9	96
25	Intercellular Adhesion Molecule-1 (ICAM-1) Regulates Endothelial Cell Motility through a Nitric Oxide-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 19230-19238.	3.4	89
26	Emerging role of PKA/eNOS pathway in therapeutic angiogenesis for ischaemic tissue diseases. <i>Cardiovascular Research</i> , 2012, 95, 7-18.	3.8	88
27	Role of Cadherin Internalization in Hydrogen Peroxide-Mediated Endothelial Permeability. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1015-1022.	2.9	86
28	Measurement of H ₂ S In Vivo and In Vitro by the Monobromobimane Method. <i>Methods in Enzymology</i> , 2015, 554, 31-45.	1.0	86
29	Beyond a Gasotransmitter: Hydrogen Sulfide and Polysulfide in Cardiovascular Health and Immune Response. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 634-653.	5.4	86
30	Notch Signaling in Osteogenesis, Osteoclastogenesis, and Angiogenesis. <i>American Journal of Pathology</i> , 2019, 189, 1495-1500.	3.8	82
31	Revealing anti-inflammatory mechanisms of soy isoflavones by flow: modulation of leukocyte-endothelial cell interactions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H908-H915.	3.2	81
32	Expression of Zonula Occludens and Adherens Junctional Proteins in Human Venous and Arterial Endothelial Cells: Role of Occludin in Endothelial Solute Barriers. <i>Microcirculation</i> , 1998, 5, 197-210.	1.8	79
33	Sildenafil Promotes Ischemia-Induced Angiogenesis Through a PKG-Dependent Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1947-1954.	2.4	79
34	Loss of LFA-1, but not Mac-1, Protects MRL/MpJ-Faslpr Mice from Autoimmune Disease. <i>American Journal of Pathology</i> , 2004, 165, 609-616.	3.8	78
35	Cystatin M suppresses the malignant phenotype of human MDA-MB-435S cells. <i>Oncogene</i> , 2004, 23, 2206-2215.	5.9	76
36	eNOS Gene Therapy Exacerbates Hepatic Ischemia-Reperfusion Injury in Diabetes. <i>Circulation Research</i> , 2006, 99, 78-85.	4.5	73

#	ARTICLE	IF	CITATIONS
37	Plasma Free H ₂ S Levels are Elevated in Patients With Cardiovascular Disease. <i>Journal of the American Heart Association</i> , 2013, 2, e000387.	3.7	73
38	VEGF-A stimulation of leukocyte adhesion to colonic microvascular endothelium: implications for inflammatory bowel disease. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, G648-G654.	3.4	72
39	The Role of p38 MAP Kinase in Hydrogen Peroxide Mediated Endothelial Solute Permeability. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2001, 8, 107-116.	1.7	71
40	Sulfide catabolism ameliorates hypoxic brain injury. <i>Nature Communications</i> , 2021, 12, 3108.	12.8	71
41	Working with nitric oxide and hydrogen sulfide in biological systems. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L403-L415.	2.9	69
42	The polyphenol epigallocatechin-3-gallate affects lipid rafts to block activation of the c-Met receptor in prostate cancer cells. <i>Molecular Carcinogenesis</i> , 2010, 49, n/a-n/a.	2.7	68
43	Inflammatory mediators induce sequestration of VE-cadherin in cultured human endothelial cells. <i>Inflammation</i> , 2000, 24, 99-113.	3.8	65
44	Temporal genomewide expression profiling of DSS colitis reveals novel inflammatory and angiogenesis genes similar to ulcerative colitis. <i>Physiological Genomics</i> , 2011, 43, 43-56.	2.3	65
45	Roles of leukocyte/endothelial cell adhesion molecules in the pathogenesis of vasculitis. <i>American Journal of Medicine</i> , 1999, 106, 677-687.	1.5	63
46	Cardiac-specific inactivation of LPP3 in mice leads to myocardial dysfunction and heart failure. <i>Redox Biology</i> , 2018, 14, 261-271.	9.0	63
47	Regulation of dextran sodium sulfate induced colitis by leukocyte beta 2 integrins. <i>Laboratory Investigation</i> , 2006, 86, 380-390.	3.7	60
48	Redox balance dynamically regulates vascular growth and remodeling. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 745-757.	5.0	59
49	Hydrogen sulfide metabolism regulates endothelial solute barrier function. <i>Redox Biology</i> , 2016, 9, 157-166.	9.0	55
50	Nitrite and nitric oxide metabolism in peripheral artery disease. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 217-222.	2.7	54
51	Cystathionine β -lyase regulates arteriogenesis through NO-dependent monocyte recruitment. <i>Cardiovascular Research</i> , 2015, 107, 590-600.	3.8	54
52	Gasotransmitter Heterocellular Signaling. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 936-960.	5.4	53
53	Role of T-cell-associated lymphocyte function-associated antigen-1 in the pathogenesis of experimental colitis. <i>International Immunology</i> , 2006, 18, 389-398.	4.0	52
54	Regulation of endothelial glutathione by ICAM-1 governs VEGF-A-mediated eNOS activity and angiogenesis. <i>Free Radical Biology and Medicine</i> , 2007, 42, 720-729.	2.9	50

#	ARTICLE	IF	CITATIONS
55	EphA2 Expression Regulates Inflammation and Fibroproliferative Remodeling in Atherosclerosis. <i>Circulation</i> , 2017, 136, 566-582.	1.6	50
56	Endothelial Caveolin-1 Regulates Pathologic Angiogenesis in a Mouse Model of Colitis. <i>Gastroenterology</i> , 2009, 136, 575-584.e2.	1.3	49
57	Dipyridamole enhances ischaemia-induced arteriogenesis through an endocrine nitrite/nitric oxide-dependent pathway. <i>Cardiovascular Research</i> , 2010, 85, 661-670.	3.8	49
58	Hydrogen sulfide ameliorates aging-associated changes in the kidney. <i>GeroScience</i> , 2018, 40, 163-176.	4.6	49
59	SOD2 deficiency in cardiomyocytes defines defective mitochondrial bioenergetics as a cause of lethal dilated cardiomyopathy. <i>Redox Biology</i> , 2020, 37, 101740.	9.0	49
60	Nitric Oxide and Hydrogen Sulfide Regulation of Ischemic Vascular Growth and Remodeling. , 2019, 9, 1213-1247.		47
61	Cystathionine β -Lyase Modulates Flow-Dependent Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2126-2136.	2.4	46
62	Altered nitric oxide production mediates matrix-specific PAK2 and NF- κ B activation by flow. <i>Molecular Biology of the Cell</i> , 2013, 24, 398-408.	2.1	45
63	Nitrite Anion Therapy Protects Against Chronic Ischemic Tissue Injury in <i>db/db</i> Diabetic Mice in a NO/VEGF-Dependent Manner. <i>Diabetes</i> , 2014, 63, 270-281.	0.6	42
64	Pleiotropic effects of mdv1 in altering mitochondrial dynamics, respiration, and autophagy in cardiomyocytes. <i>Redox Biology</i> , 2020, 36, 101660.	9.0	42
65	Role of Hydrogen Sulfide in Early Blood-Brain Barrier Disruption following Transient Focal Cerebral Ischemia. <i>PLoS ONE</i> , 2015, 10, e0117982.	2.5	42
66	Single-Dose Pharmacokinetics of Different Oral Sodium Nitrite Formulations in Diabetes Patients. <i>Diabetes Technology and Therapeutics</i> , 2012, 14, 552-560.	4.4	41
67	Hyperhomocysteinemia potentiates diabetes-impaired EDHF-induced vascular relaxation: Role of insufficient hydrogen sulfide. <i>Redox Biology</i> , 2018, 16, 215-225.	9.0	41
68	H ₂ S Regulation of Nitric Oxide Metabolism. <i>Methods in Enzymology</i> , 2015, 554, 271-297.	1.0	40
69	Total sulfane sulfur bioavailability reflects ethnic and gender disparities in cardiovascular disease. <i>Redox Biology</i> , 2018, 15, 480-489.	9.0	39
70	Therapeutic Treatment with Sustained-Release Platelet-Rich Plasma Restores Blood Perfusion by Augmenting Ischemia-Induced Angiogenesis and Arteriogenesis in Diabetic Mice. <i>Journal of Vascular Research</i> , 2011, 48, 195-205.	1.4	38
71	The Red Blood Cell and Vascular Function in Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 992-999.	5.4	37
72	Sodium nitrite in patients with peripheral artery disease and diabetes mellitus: Safety, walking distance and endothelial function. <i>Vascular Medicine</i> , 2014, 19, 9-17.	1.5	37

#	ARTICLE	IF	CITATIONS
73	Withaferin A suppresses the up-regulation of acetyl-CoA carboxylase 1 and skin tumor formation in a skin carcinogenesis mouse model. <i>Molecular Carcinogenesis</i> , 2016, 55, 1739-1746.	2.7	37
74	Inorganic nitrite and chronic tissue ischaemia: a novel therapeutic modality for peripheral vascular diseases. <i>Cardiovascular Research</i> , 2011, 89, 533-541.	3.8	36
75	Hydrogen sulfide measurement using sulfide dibimane: Critical evaluation with electrospray ion trap mass spectrometry. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 41, 97-104.	2.7	36
76	Cystathione β -Synthase Is Increased in Thyroid Malignancies. <i>Anticancer Research</i> , 2018, 38, 6085-6090.	1.1	33
77	VEGF-A isoform modulation in an preclinical TNBS model of ulcerative colitis: protective effects of a VEGF164b therapy. <i>Journal of Translational Medicine</i> , 2013, 11, 207.	4.4	32
78	Hydrogen sulfide and nitric oxide metabolites in the blood of free-ranging brown bears and their potential roles in hibernation. <i>Free Radical Biology and Medicine</i> , 2014, 73, 349-357.	2.9	32
79	Nitric Oxide and Hydrogen Sulfide Regulation of Ischemic Vascular Remodeling. <i>Microcirculation</i> , 2016, 23, 134-145.	1.8	32
80	Sodium sulfide selectively induces oxidative stress, DNA damage, and mitochondrial dysfunction and radiosensitizes glioblastoma (GBM) cells.. <i>Redox Biology</i> , 2019, 26, 101220.	9.0	32
81	Methamphetamine induces cardiomyopathy by Sigmar1 inhibition-dependent impairment of mitochondrial dynamics and function. <i>Communications Biology</i> , 2020, 3, 682.	4.4	32
82	Control of angiogenesis dictated by picomolar superoxide levels. <i>Free Radical Biology and Medicine</i> , 2013, 63, 135-142.	2.9	31
83	Organ Preservation Solutions Increase Endothelial Permeability and Promote Loss of Junctional Proteins. <i>Annals of Surgery</i> , 1999, 230, 105.	4.2	31
84	T cell-associated CD18 but not CD62L, ICAM-1, or PSGL-1 is required for the induction of chronic colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G1706-G1714.	3.4	28
85	Enhancing Mitochondrial Respiration Suppresses Tumor Promoter TPA-Induced PKM2 Expression and Cell Transformation in Skin Epidermal JB6 Cells. <i>Cancer Prevention Research</i> , 2011, 4, 1476-1484.	1.5	28
86	Mechanistic investigations reveal that dibromobimane extrudes sulfur from biological sulfhydryl sources other than hydrogen sulfide. <i>Chemical Science</i> , 2015, 6, 294-300.	7.4	28
87	Reduced brain injury in CD18-deficient mice after experimental intracerebral hemorrhage. <i>Journal of Neuroscience Research</i> , 2008, 86, 3240-3245.	2.9	27
88	Dipyridamole reverses peripheral ischemia and induces angiogenesis in the Db/Db diabetic mouse hind-limb model by decreasing oxidative stress. <i>Free Radical Biology and Medicine</i> , 2011, 50, 262-269.	2.9	27
89	Role of thiosulfate in hydrogen sulfide-dependent redox signaling in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H256-H264.	3.2	27
90	Genetic Deficiency of Itgb2 or ItgaL Prevents Autoimmune Diabetes Through Distinctly Different Mechanisms in NOD/Ltj Mice. <i>Diabetes</i> , 2009, 58, 1292-1301.	0.6	26

#	ARTICLE	IF	CITATIONS
91	Review focus on inorganic nitrite and nitrate in cardiovascular health and disease. <i>Cardiovascular Research</i> , 2011, 89, 489-491.	3.8	26
92	Nicotinamide nucleotide transhydrogenase activity impacts mitochondrial redox balance and the development of hypertension in mice. <i>Journal of the American Society of Hypertension</i> , 2017, 11, 110-121.	2.3	26
93	Application of Comparative Transcriptional Genomics to Identify Molecular Targets for Pediatric IBD. <i>Frontiers in Immunology</i> , 2015, 6, 165.	4.8	25
94	Recruitment of the adaptor protein Nck to PECAM-1 couples oxidative stress to canonical NF- κ B signaling and inflammation. <i>Science Signaling</i> , 2015, 8, ra20.	3.6	25
95	Stromal Cell Derived Factor-1/CXCL12 Stimulates Chemorepulsion of NOD/LtJ T-Cell Adhesion to Islet Microvascular Endothelium. <i>Diabetes</i> , 2008, 57, 102-112.	0.6	24
96	Hydrogen Sulfide Is Increased in Oral Squamous Cell Carcinoma Compared to Adjacent Benign Oral Mucosae. <i>Anticancer Research</i> , 2018, 38, 3843-3852.	1.1	24
97	Hydrogen sulfide stimulates xanthine oxidoreductase conversion to nitrite reductase and formation of NO. <i>Redox Biology</i> , 2020, 34, 101447.	9.0	24
98	Hydrogen sulfide and DNA repair. <i>Redox Biology</i> , 2021, 38, 101675.	9.0	24
99	Identification of an occludin cell adhesion recognition sequence. <i>Inflammation</i> , 2002, 26, 193-198.	3.8	23
100	Stimulant Drugs of Abuse and Cardiac Arrhythmias. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121010273.	4.8	23
101	UCP2 Knockout Suppresses Mouse Skin Carcinogenesis. <i>Cancer Prevention Research</i> , 2015, 8, 487-491.	1.5	22
102	Methods in sulfide and persulfide research. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 116, 47-64.	2.7	22
103	Genome expression profiling and network analysis of nitrite therapy during chronic ischemia: Possible mechanisms and interesting molecules. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 22, 168-179.	2.7	21
104	Temporal Genome Expression Profile Analysis During T-cell-Mediated Colitis: Identification of Novel Targets and Pathways. <i>Inflammatory Bowel Diseases</i> , 2012, 18, 1411-1423.	1.9	21
105	α -L-Integrin I domain cyclic peptide antagonist selectively inhibits T cell adhesion to pancreatic islet microvascular endothelium. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G67-G73.	3.4	20
106	The effect of endothelial nitric oxide synthase on the hemodynamics and wall mechanics in murine arteriovenous fistulas. <i>Scientific Reports</i> , 2019, 9, 4299.	3.3	20
107	Disrupted Blood-Brain Barrier and Mitochondrial Impairment by Autotaxin-Lysophosphatidic Acid Axis in Postischemic Stroke. <i>Journal of the American Heart Association</i> , 2021, 10, e021511.	3.7	20
108	ICAM-1 cytoplasmic tail regulates endothelial glutathione synthesis through a NOX4/PI3-kinase-dependent pathway. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1119-1128.	2.9	19

#	ARTICLE	IF	CITATIONS
109	MicroRNA-31-3p Is Involved in Substance P (SP)-Associated Inflammation in Human Colonic Epithelial Cells and Experimental Colitis. <i>American Journal of Pathology</i> , 2018, 188, 586-599.	3.8	19
110	Nitrite anion stimulates ischemic arteriogenesis involving NO metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H178-H188.	3.2	18
111	Effect of Reactive Oxygen Metabolites on Endothelial Permeability: Role of Nitric Oxide and Iron. <i>Microcirculation</i> , 1999, 6, 107-116.	1.8	17
112	Avidity Modulation Activates Adhesion under Flow and Requires Cooperativity among Adhesion Receptors. <i>Biophysical Journal</i> , 2003, 85, 4122-4133.	0.5	17
113	CD18 Deficiency Protects against Multiple Low-Dose Streptozotocin-Induced Diabetes. <i>American Journal of Pathology</i> , 2004, 165, 1849-1852.	3.8	17
114	VEGF164 differentially regulates neutrophil and T cell adhesion through ItgaL- and ItgaM-dependent mechanisms. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G1361-G1367.	3.4	17
115	Notch ligand Jagged1 promotes mesenchymal stromal cell-based cartilage repair. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-10.	7.7	17
116	Dysfunctional Mitochondrial Dynamic and Oxidative Phosphorylation Precedes Cardiac Dysfunction in R120G α -B α Crystallin α -Induced Desmin α -Related Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2020, 9, e017195.	3.7	17
117	Neurogranin regulates eNOS function and endothelial activation. <i>Redox Biology</i> , 2020, 34, 101487.	9.0	17
118	Endothelial cell activation in inflammation: lessons from mutant mouse models. <i>Pathophysiology</i> , 2003, 9, 63-74.	2.2	16
119	Sodium nitrite therapy rescues ischemia-induced neovascularization and blood flow recovery in hypertension. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 464, 583-592.	2.8	16
120	SDF-1 α -CXCR4 differentially regulates autoimmune diabetogenic T cell adhesion through ROBO1 α -SLIT2 interactions in mice. <i>Diabetologia</i> , 2013, 56, 2222-2230.	6.3	15
121	Sulfane Sustains Vascular Health. <i>Circulation</i> , 2013, 127, 2472-2474.	1.6	15
122	Biological activities of fusarochromanone: a potent anti-cancer agent. <i>BMC Research Notes</i> , 2014, 7, 601.	1.4	14
123	Reperfusion of chronic tissue ischemia: nitrite and dipyridamole regulation of innate immune responses. <i>Annals of the New York Academy of Sciences</i> , 2010, 1207, 83-88.	3.8	13
124	VEGF164 isoform specific regulation of T-cell-dependent experimental colitis in mice. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1501-1512.	1.9	13
125	Preserving vessel function during ischemic disease: new possibilities of inorganic nitrite therapy. <i>Expert Review of Cardiovascular Therapy</i> , 2008, 6, 1175-1179.	1.5	12
126	The Type 1 Diabetes α -Resistance Locus <i>Id22</i> Controls Trafficking of Autoreactive CTLs into the Pancreatic Islets of NOD Mice. <i>Journal of Immunology</i> , 2017, 199, 3991-4000.	0.8	11

#	ARTICLE	IF	CITATIONS
127	Suppression of mitochondrial respiration by hydrogen sulfide in hibernating 13-lined ground squirrels. <i>Free Radical Biology and Medicine</i> , 2021, 169, 181-186.	2.9	11
128	The Ataxia telangiectasia-mutated and Rad3-related protein kinase regulates cellular hydrogen sulfide concentrations. <i>DNA Repair</i> , 2019, 73, 55-63.	2.8	10
129	Detection of hydrogen sulfide in biological samples: current and future. <i>Expert Review of Clinical Pharmacology</i> , 2011, 4, 9-12.	3.1	9
130	Human Mesenchymal Stromal Cell Sheet Enhances Allograft Repair in a Mouse Model. <i>Scientific Reports</i> , 2017, 7, 7982.	3.3	9
131	Contribution of human smooth muscle cells to amyloid angiopathy in AL (light-chain) amyloidosis. <i>Ultrastructural Pathology</i> , 2017, 41, 358-368.	0.9	9
132	Hydrogen Sulfide and Hydrogen Sulfide-Synthesizing Enzymes Are Altered in a Case of Oral Adenoid Cystic Carcinoma. <i>Case Reports in Oncology</i> , 2018, 11, 585-590.	0.7	9
133	Cooperative Interactions Between NO and H ₂ S: Chemistry, Biology, Physiology, Pathophysiology. , 2017, , 57-83.		8
134	ICAM-1 Cross-Linking Stimulates Endothelial Glutathione Synthesis. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 159-164.	5.4	7
135	Intravascular Radiocontrast Iodixanol Increases Permeability of Proximal Tubule Epithelium. <i>Vascular and Endovascular Surgery</i> , 2013, 47, 632-638.	0.7	7
136	S-Nitrosothiol biology and therapeutic potential in metabolic disease. <i>Current Opinion in Investigational Drugs</i> , 2010, 11, 1127-34.	2.3	7
137	Paying the Toll for Glucose Regulation: A Central Role for TLR3: Figure 1. <i>Diabetes</i> , 2015, 64, 3345-3346.	0.6	6
138	Tissue-dependent variations of hydrogen sulfide homeostasis in anoxic freshwater turtles. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	6
139	The molecular role of Sigmar1 in regulating mitochondrial function through mitochondrial localization in cardiomyocytes. <i>Mitochondrion</i> , 2022, 62, 159-175.	3.4	6
140	Regulation and Maintenance of Vascular Tone and Patency in Cardiovascular Health and Disease. <i>International Journal of Vascular Medicine</i> , 2012, 2012, 1-2.	1.0	5
141	Nitrite and Nitrate: From Bench to Bedside. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 195-196.	2.7	5
142	The pleiotropic effects of hydrogen sulfide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H1-H2.	3.2	5
143	Catalase as a regulator of reactive sulfur metabolism; a new interpretation beyond hydrogen peroxide. <i>Redox Biology</i> , 2017, 12, 528-529.	9.0	4
144	S-Nitrosothiols and Nitric Oxide Biology. , 2017, , 45-56.		4

#	ARTICLE	IF	CITATIONS
145	Hydrogen Sulfide-Synthesizing Enzymes Are Altered in a Case of Oral Cavity Mucoepidermoid Carcinoma. <i>Case Reports in Oncology</i> , 2018, 11, 682-687.	0.7	4
146	Molecular Characterization of Skeletal Muscle Dysfunction in Sigma 1 Receptor (Sigmar1) Knockout Mice. <i>American Journal of Pathology</i> , 2022, 192, 160-177.	3.8	4
147	Transient activation of notch signaling enhances endogenous stromal cell expansion and subsequent bone defect repair. <i>Journal of Orthopaedic Translation</i> , 2021, 31, 26-32.	3.9	3
148	Bad Smells and Broken DNA: A Tale of Sulfur-Nucleic Acid Cooperation. <i>Antioxidants</i> , 2021, 10, 1820.	5.1	3
149	Diabetic neutrophil mitochondrial dysfunction: An inflammatory situation?. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1213-1214.	2.9	2
150	2nd European Conference on the Biology of Hydrogen Sulfide, Exeter, England 8th-11th September 2013. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 41, 1-3.	2.7	2
151	Ethylmalonic Encephalopathy 1 Protein Is Increased in Colorectal Adenocarcinoma. <i>Anticancer Research</i> , 2021, 41, 4719-4723.	1.1	2
152	Recruitment of Inflammatory and Immune Cells in the Gut: Physiology and Pathophysiology. , 2006, , 1137-1162.		2
153	Beets, Bacteria, and Blood Flow. <i>Circulation</i> , 2012, 126, 1939-1940.	1.6	1
154	Nitrite Therapy for Ischemic Syndromes. , 2010, , 587-603.		0
155	Leukocyte Recruitment Alters Pathological Angiogenesis Gene Expression During DSS Colitis. <i>Inflammatory Bowel Diseases</i> , 2012, 18, S89.	1.9	0
156	Recruitment of Inflammatory and Immune Cells in the Gut. , 2012, , 2101-2128.		0
157	Radical innate regulation of autoimmune diabetes. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1698-1699.	2.9	0
158	Caveolin-1 Scaffolding Domain Peptide Regulates Colon Endothelial Cell Survival through JNK Pathway. <i>International Journal of Inflammation</i> , 2020, 2020, 1-9.	1.5	0
159	Impairment of Physiological Function in Skeletal Muscle from Sigmar1 Knockout Mice. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
160	Dipyridamole Enhancement of Diabetic Ischemia Induced Angiogenesis. <i>FASEB Journal</i> , 2009, 23, LB321.	0.5	0
161	Slit2-ROBO1 regulates control of SDF1 induced T cell adhesion in NOD mice. <i>FASEB Journal</i> , 2009, 23, 360.5.	0.5	0
162	Nitrite Therapy Positively Augments Arteriogenesis in a Murine Model of Hind Limb Ischemia. <i>FASEB Journal</i> , 2011, 25, 1092.7.	0.5	0