

Jonathan Stamler

List of Publications by Year in descending order

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293
papers

58,719
citations

807

118
h-index

942

239
g-index

296
all docs

296
docs citations

296
times ranked

31337
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemistry of nitric oxide and its redox-activated forms. <i>Science</i> , 1992, 258, 1898-1902.	6.0	2,650
2	A redox-based mechanism for the neuroprotective and neurodestructive effects of nitric oxide and related nitroso-compounds. <i>Nature</i> , 1993, 364, 626-632.	13.7	2,443
3	Protein S-nitrosylation: purview and parameters. <i>Nature Reviews Molecular Cell Biology</i> , 2005, 6, 150-166.	16.1	1,910
4	Redox signaling: Nitrosylation and related target interactions of nitric oxide. <i>Cell</i> , 1994, 78, 931-936.	13.5	1,726
5	S-nitrosohaemoglobin: a dynamic activity of blood involved in vascular control. <i>Nature</i> , 1996, 380, 221-226.	13.7	1,584
6	S-nitrosylation of proteins with nitric oxide: synthesis and characterization of biologically active compounds.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 444-448.	3.3	1,365
7	Nitrosylation. <i>Cell</i> , 2001, 106, 675-683.	13.5	1,271
8	Nitric oxide circulates in mammalian plasma primarily as an S-nitroso adduct of serum albumin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 7674-7677.	3.3	1,178
9	Blood Flow Regulation by S-Nitrosohemoglobin in the Physiological Oxygen Gradient. <i>Science</i> , 1997, 276, 2034-2037.	6.0	1,030
10	Activation of the Cardiac Calcium Release Channel (Ryanodine Receptor) by Poly-S-Nitrosylation. <i>Science</i> , 1998, 279, 234-237.	6.0	945
11	Nitric oxide in skeletal muscle. <i>Nature</i> , 1994, 372, 546-548.	13.7	898
12	Physiology of Nitric Oxide in Skeletal Muscle. <i>Physiological Reviews</i> , 2001, 81, 209-237.	13.1	897
13	Relationship of Blood Transfusion and Clinical Outcomes in Patients With Acute Coronary Syndromes. <i>JAMA - Journal of the American Medical Association</i> , 2004, 292, 1555.	3.8	894
14	The biology of nitrogen oxides in the airways.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994, 149, 538-551.	2.5	874
15	A metabolic enzyme for S-nitrosothiol conserved from bacteria to humans. <i>Nature</i> , 2001, 410, 490-494.	13.7	839
16	Neurotoxicity associated with dual actions of homocysteine at the N-methyl-D-aspartate receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5923-5928.	3.3	783
17	Nitric Oxide Synthase in Human and Rat Lung: Immunocytochemical and Histochemical Localization. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 9, 371-377.	1.4	772
18	Adverse vascular effects of homocysteine are modulated by endothelium-derived relaxing factor and related oxides of nitrogen.. <i>Journal of Clinical Investigation</i> , 1993, 91, 308-318.	3.9	751

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19	Fas-Induced Caspase Denitrosylation. <i>Science</i> , 1999, 284, 651-654.	6.0	720
20	Redox-based regulation of signal transduction: Principles, pitfalls, and promises. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1-17.	1.3	681
21	(S)NO Signals: Translocation, Regulation, and a Consensus Motif. <i>Neuron</i> , 1997, 18, 691-696.	3.8	679
22	Protein S-nitrosylation in health and disease: a current perspective. <i>Trends in Molecular Medicine</i> , 2009, 15, 391-404.	3.5	670
23	Endogenous nitrogen oxides and bronchodilator S-nitrosothiols in human airways.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 10957-10961.	3.3	596
24	NO ⁺ , NO ⁻ , and NO [•] Donation by S-Nitrosothiols: Implications for Regulation of Physiological Functions by S-Nitrosylation and Acceleration of Disulfide Formation. <i>Archives of Biochemistry and Biophysics</i> , 1995, 318, 279-285.	1.4	588
25	Reactions between nitric oxide and haemoglobin under physiological conditions. <i>Nature</i> , 1998, 391, 169-173.	13.7	556
26	Export by red blood cells of nitric oxide bioactivity. <i>Nature</i> , 2001, 409, 622-626.	13.7	549
27	Constitutive and inducible nitric oxide synthase gene expression, regulation, and activity in human lung epithelial cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 10089-10093.	3.3	535
28	Identification of the enzymatic mechanism of nitroglycerin bioactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8306-8311.	3.3	506
29	Essential Roles of S-Nitrosothiols in Vascular Homeostasis and Endotoxic Shock. <i>Cell</i> , 2004, 116, 617-628.	13.5	504
30	S-nitrosylation in health and disease. <i>Trends in Molecular Medicine</i> , 2003, 9, 160-168.	3.5	503
31	Nitric oxide produced by human B lymphocytes inhibits apoptosis and Epstein-Barr virus reactivation. <i>Cell</i> , 1994, 79, 1137-1146.	13.5	501
32	Regulated Protein Denitrosylation by Cytosolic and Mitochondrial Thioredoxins. <i>Science</i> , 2008, 320, 1050-1054.	6.0	492
33	Nitric oxide regulates basal systemic and pulmonary vascular resistance in healthy humans.. <i>Circulation</i> , 1994, 89, 2035-2040.	1.6	482
34	A novel protective effect of erythropoietin in the infarcted heart. <i>Journal of Clinical Investigation</i> , 2003, 112, 999-1007.	3.9	476
35	OxyR. <i>Cell</i> , 2002, 109, 383-396.	13.5	452
36	Protein denitrosylation: enzymatic mechanisms and cellular functions. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 721-732.	16.1	450

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37	<i>S</i> -Nitrosylation in Cardiovascular Signaling. <i>Circulation Research</i> , 2010, 106, 633-646.	2.0	447
38	Nitric oxide in the human respiratory cycle. <i>Nature Medicine</i> , 2002, 8, 711-717.	15.2	445
39	Redox modulation of L-type calcium channels in ferret ventricular myocytes. Dual mechanism regulation by nitric oxide and S-nitrosothiols. <i>Journal of General Physiology</i> , 1996, 108, 277-293.	0.9	443
40	CHEMICAL PHYSIOLOGY OF BLOOD FLOW REGULATION BY RED BLOOD CELLS: Annual Review of Physiology, 2005, 67, 99-145.	5.6	438
41	The Skeletal Muscle Calcium Release Channel. <i>Cell</i> , 2000, 102, 499-509.	13.5	407
42	Nitrosation and oxidation in the regulation of gene expression. <i>FASEB Journal</i> , 2000, 14, 1889-1900.	0.2	404
43	The oxyhemoglobin reaction of nitric oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 9027-9032.	3.3	387
44	Endothelial-Type Nitric Oxide Synthase (ec-NOS) in Skeletal Muscle Fibers: Mitochondrial Relationships. <i>Biochemical and Biophysical Research Communications</i> , 1995, 211, 375-381.	1.0	364
45	Inhibition of NF- κ B by S-Nitrosylation. <i>Biochemistry</i> , 2001, 40, 1688-1693.	1.2	361
46	Proteomic analysis of S-nitrosylation and denitrosylation by resin-assisted capture. <i>Nature Biotechnology</i> , 2009, 27, 557-559.	9.4	340
47	Nitrosative Stress: Activation of the Transcription Factor OxyR. <i>Cell</i> , 1996, 86, 719-729.	13.5	339
48	Enhanced colonic nitric oxide generation and nitric oxide synthase activity in ulcerative colitis and Crohn's disease. <i>Gut</i> , 1995, 36, 718-723.	6.1	338
49	Expired nitric oxide levels during treatment of acute asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995, 152, 800-803.	2.5	334
50	Regulation by S-Nitrosylation of Protein Post-translational Modification. <i>Journal of Biological Chemistry</i> , 2012, 287, 4411-4418.	1.6	319
51	NO/redox disequilibrium in the failing heart and cardiovascular system. <i>Journal of Clinical Investigation</i> , 2005, 115, 509-517.	3.9	307
52	Site-specific analysis of protein S-acylation by resin-assisted capture. <i>Journal of Lipid Research</i> , 2011, 52, 393-398.	2.0	299
53	Clioma Stem Cell Proliferation and Tumor Growth Are Promoted by Nitric Oxide Synthase-2. <i>Cell</i> , 2011, 146, 53-66.	13.5	280
54	Cysteine-3635 is responsible for skeletal muscle ryanodine receptor modulation by NO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11158-11162.	3.3	279

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55	Nitric Oxide Inhibits Fas-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 1997, 272, 24125-24128.	1.6	276
56	Regulation of β -Adrenergic Receptor Signaling by S-Nitrosylation of G-Protein-Coupled Receptor Kinase 2. <i>Cell</i> , 2007, 129, 511-522.	13.5	274
57	<i>S</i> -nitrosohemoglobin deficiency: A mechanism for loss of physiological activity in banked blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17058-17062.	3.3	272
58	Nitrosative stress: Metabolic pathway involving the flavohemoglobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 14100-14105.	3.3	269
59	Basal and Stimulated Protein S-Nitrosylation in Multiple Cell Types and Tissues. <i>Journal of Biological Chemistry</i> , 2002, 277, 9637-9640.	1.6	269
60	Detection of protein S-nitrosylation with the biotin-switch technique. <i>Free Radical Biology and Medicine</i> , 2009, 46, 119-126.	1.3	267
61	Protection from Experimental Asthma by an Endogenous Bronchodilator. <i>Science</i> , 2005, 308, 1618-1621.	6.0	265
62	NO forms an adduct with serum albumin that has endothelium-derived relaxing factor-like properties.. <i>Journal of Clinical Investigation</i> , 1993, 91, 1582-1589.	3.9	264
63	In vivo transfer of nitric oxide between a plasma protein-bound reservoir and low molecular weight thiols.. <i>Journal of Clinical Investigation</i> , 1994, 94, 1432-1439.	3.9	262
64	Peroxynitrite-induced rat colitisâ€”A new model of colonic inflammation. <i>Gastroenterology</i> , 1993, 105, 1681-1688.	0.6	258
65	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , 2004, 113, 482-489.	3.9	254
66	N-acetylcysteine potentiates platelet inhibition by endothelium-derived relaxing factor.. <i>Circulation Research</i> , 1989, 65, 789-795.	2.0	247
67	Enzymatic mechanisms regulating protein S-nitrosylation: implications in health and disease. <i>Journal of Molecular Medicine</i> , 2012, 90, 233-244.	1.7	234
68	Cardiovascular effects of inhaled nitric oxide in patients with left ventricular dysfunction.. <i>Circulation</i> , 1994, 90, 2780-2785.	1.6	233
69	Oxidative modifications in nitrosative stress. <i>Nature Structural Biology</i> , 1998, 5, 247-249.	9.7	231
70	Posttranslational Modification of Glyceraldehyde-3-phosphate Dehydrogenase by S-Nitrosylation and Subsequent NADH Attachment. <i>Journal of Biological Chemistry</i> , 1996, 271, 4209-4214.	1.6	228
71	The SNO-proteome: causation and classifications. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 129-136.	2.8	223
72	S-nitrosylation: spectrum and specificity. <i>Nature Cell Biology</i> , 2001, 3, E46-E48.	4.6	222

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73	Biological Chemistry of Thiols in the Vasculature and in Vascular-related Disease. Nutrition Reviews, 1996, 54, 1-30.	2.6	218
74	Ascaris haemoglobin is a nitric oxide-activated heme deoxygenase. Nature, 1999, 401, 497-502.	13.7	215
75	An S-nitrosothiol (SNO) synthase function of hemoglobin that utilizes nitrite as a substrate. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8366-8371.	3.3	214
76	An essential role for mitochondrial aldehyde dehydrogenase in nitroglycerin bioactivation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12159-12164.	3.3	206
77	Bronchodilator S-nitrosothiol deficiency in asthmatic respiratory failure. Lancet, The, 1998, 351, 1317-1319.	6.3	203
78	S-Nitrosothiol Signaling in Respiratory Biology. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 1186-1193.	2.5	203
79	Routes to S-nitroso-hemoglobin formation with heme redox and preferential reactivity in the α subunits. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 461-466.	3.3	202
80	Endogenous S-nitrosothiols protect against myocardial injury. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6297-6302.	3.3	201
81	Assessment and Application of the Biotin Switch Technique for Examining Protein S-Nitrosylation under Conditions of Pharmacologically Induced Oxidative Stress*. Journal of Biological Chemistry, 2007, 282, 13977-13983.	1.6	200
82	Polynitrosylated proteins: characterization, bioactivity, and functional consequences.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 4736-4741.	3.3	195
83	Mechanism of covalent modification of glyceraldehyde-3-phosphate dehydrogenase at its active site thiol by nitric oxide, peroxynitrite and related nitrosating agents. FEBS Letters, 1994, 348, 223-227.	1.3	194
84	Attenuation of NMDA Receptor Activity and Neurotoxicity by Nitroxyl Anion, NO ⁻ . Neuron, 1999, 24, 461-469.	3.8	192
85	NOS2 Regulation of NF- κ B by S-Nitrosylation of p65. Journal of Biological Chemistry, 2007, 282, 30667-30672.	1.6	190
86	Maintenance of Nitric Oxide and Redox Homeostasis by the Salmonella Flavohemoglobin Hmp. Journal of Biological Chemistry, 2006, 281, 28039-28047.	1.6	188
87	Protein S-Nitrosylation: Determinants of Specificity and Enzymatic Regulation of S-Nitrosothiol-Based Signaling. Antioxidants and Redox Signaling, 2019, 30, 1331-1351.	2.5	183
88	NO: an inhibitor of cell death. Cell Death and Differentiation, 1999, 6, 937-942.	5.0	175
89	Protection from nitrosative stress by yeast flavohemoglobin. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4672-4676.	3.3	175
90	An Apoptotic Model for Nitrosative Stress. Biochemistry, 2000, 39, 1040-1047.	1.2	175

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91	Enzymes that Counteract Nitrosative Stress Promote Fungal Virulence. <i>Current Biology</i> , 2003, 13, 1963-1968.	1.8	174
92	A mechanism of paraquat toxicity involving nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 12760-12765.	3.3	173
93	Cardioprotective Effects of Erythropoietin in the Reperfused Ischemic Heart. <i>Journal of Biological Chemistry</i> , 2004, 279, 20655-20662.	1.6	171
94	Nitric oxide regulates endocytosis by S-nitrosylation of dynamin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1295-1300.	3.3	169
95	S-Nitrosylation of β -Arrestin Regulates β -Adrenergic Receptor Trafficking. <i>Molecular Cell</i> , 2008, 31, 395-405.	4.5	164
96	New Insights into Protein S-Nitrosylation. <i>Journal of Biological Chemistry</i> , 2004, 279, 25891-25897.	1.6	162
97	S-nitrosylation: Physiological regulation of NF- κ B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8841-8842.	3.3	153
98	S-Nitrosothiols in the Blood. <i>Circulation Research</i> , 2004, 94, 414-417.	2.0	151
99	Capillary zone electrophoretic detection of biological thiols and their S-nitrosated derivatives. <i>Analytical Chemistry</i> , 1992, 64, 779-785.	3.2	150
100	Metabolic reprogramming by the S-nitroso-CoA reductase system protects against kidney injury. <i>Nature</i> , 2019, 565, 96-100.	13.7	148
101	Classes of Thiols That Influence the Activity of the Skeletal Muscle Calcium Release Channel. <i>Journal of Biological Chemistry</i> , 2001, 276, 15625-15630.	1.6	143
102	Endogenous Protein S-Nitrosylation in <i>E. coli</i> : Regulation by OxyR. <i>Science</i> , 2012, 336, 470-473.	6.0	143
103	Screening for Nitric Oxide-Dependent Protein-Protein Interactions. <i>Science</i> , 2003, 301, 657-661.	6.0	140
104	Dual targeting of the thioredoxin and glutathione systems in cancer and HIV. <i>Journal of Clinical Investigation</i> , 2016, 126, 1630-1639.	3.9	139
105	Hemoglobin, nitric oxide and molecular mechanisms of hypoxic vasodilation. <i>Trends in Molecular Medicine</i> , 2009, 15, 452-460.	3.5	138
106	Oxygen-Regulated β -Adrenergic Receptor Hydroxylation by EGLN3 and Ubiquitylation by pVHL. <i>Science Signaling</i> , 2009, 2, ra33.	1.6	137
107	Endothelium-derived nitric oxide regulates systemic and pulmonary vascular resistance during acute hypoxia in humans. <i>Journal of the American College of Cardiology</i> , 1996, 28, 591-596.	1.2	136
108	Hypoxic Vasodilation by Red Blood Cells. <i>Circulation Research</i> , 2008, 103, 545-553.	2.0	134

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109	Distinct roles of resident and nonresident macrophages in nonischemic cardiomyopathy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4661-E4669.	3.3	134
110	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. Journal of Clinical Investigation, 2004, 113, 482-489.	3.9	132
111	Functional Coupling of Oxygen Binding and Vasoactivity in S-Nitrosohemoglobin. Journal of Biological Chemistry, 2000, 275, 16738-16745.	1.6	128
112	S-nitrosylation drives cell senescence and aging in mammals by controlling mitochondrial dynamics and mitophagy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3388-E3397.	3.3	128
113	Endothelium-Derived Nitric Oxide Regulates Systemic and Pulmonary Vascular Resistance During Acute Hypoxia in Humans. Journal of the American College of Cardiology, 1996, 28, 591-596.	1.2	128
114	S-Nitrosylation Dissociation Energies of S-Nitrosothiols: On the Origins of Nitrosothiol Decomposition Rates. Journal of the American Chemical Society, 2001, 123, 8868-8869.	6.6	126
115	Inhaled ethyl nitrite gas for persistent pulmonary hypertension of the newborn. Lancet, The, 2002, 360, 141-143.	6.3	126
116	Acute Effects of Aerosolized S-Nitrosoglutathione in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 922-926.	2.5	124
117	A nitric oxide processing defect of red blood cells created by hypoxia: Deficiency of S-nitrosohemoglobin in pulmonary hypertension. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14801-14806.	3.3	123
118	Impaired vasodilation by red blood cells in sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2531-2536.	3.3	122
119	Dynamic denitrosylation via S-nitrosoglutathione reductase regulates cardiovascular function. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4314-4319.	3.3	122
120	S-Nitrosylation of Cardiac Ion Channels. Journal of Cardiovascular Pharmacology, 2009, 54, 188-195.	0.8	119
121	A Multiplex Enzymatic Machinery for Cellular Protein S-nitrosylation. Molecular Cell, 2018, 69, 451-464.e6.	4.5	119
122	The decomposition of thionitrites. Current Opinion in Chemical Biology, 2002, 6, 779-785.	2.8	112
123	Inflammatory stimuli induce inhibitory S-nitrosylation of the deacetylase SIRT1 to increase acetylation and activation of p53 and p65. Science Signaling, 2014, 7, ra106.	1.6	111
124	Theory, Spectroscopy, and Crystallographic Analysis of S-Nitrosothiols: A Conformational Distribution Dictates Spectroscopic Behavior. Journal of the American Chemical Society, 2000, 122, 5889-5890.	6.6	109
125	Identification of S-Nitrosylated Targets of Thioredoxin Using a Quantitative Proteomic Approach. Biochemistry, 2010, 49, 6963-6969.	1.2	108
126	A protein microarray-based analysis of S-nitrosylation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18948-18953.	3.3	107

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127	Nitric oxide production in experimental alcoholic liver disease in the rat: Role in protection from injury. <i>Gastroenterology</i> , 1995, 109, 899-907.	0.6	106
128	A central role for S-nitrosylation in apoptosis. <i>Nature Cell Biology</i> , 2005, 7, 645-646.	4.6	106
129	The antiplatelet effects of organic nitrates and related nitroso compounds in vitro and in vivo and their relevance to cardiovascular disorders. <i>Journal of the American College of Cardiology</i> , 1991, 18, 1529-1536.	1.2	105
130	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. <i>Journal of Clinical Investigation</i> , 2015, 125, 3461-3476.	3.9	104
131	Nitric Oxide, NOC-12, and S-Nitrosoglutathione Modulate the Skeletal Muscle Calcium Release Channel/Ryanodine Receptor by Different Mechanisms. <i>Journal of Biological Chemistry</i> , 2003, 278, 8184-8189.	1.6	103
132	Cell-Free and Erythrocytic S-Nitrosohemoglobin Inhibits Human Platelet Aggregation. <i>Circulation</i> , 1998, 97, 263-267.	1.6	102
133	Bioactivation of Nitroglycerin by the Mitochondrial Aldehyde Dehydrogenase. <i>Trends in Cardiovascular Medicine</i> , 2006, 16, 259-265.	2.3	102
134	S-Nitrosoglutathione Reductase. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 226-231.	2.5	102
135	S-nitrosylation: integrator of cardiovascular performance and oxygen delivery. <i>Journal of Clinical Investigation</i> , 2013, 123, 101-110.	3.9	100
136	Oxygen-coupled redox regulation of the skeletal muscle ryanodine receptor-Ca ²⁺ release channel by NADPH oxidase 4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16098-16103.	3.3	98
137	Structural and Functional Consequences of Coenzyme Binding to the Inactive Asian Variant of Mitochondrial Aldehyde Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2007, 282, 12940-12950.	1.6	96
138	Hemoglobin β^{Cys93} is essential for cardiovascular function and integrated response to hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6425-6430.	3.3	96
139	Frequency of hypercholesterolemia after cardiac transplantation. <i>American Journal of Cardiology</i> , 1988, 62, 1268-1272.	0.7	95
140	A Genetic Analysis of Nitrosative Stress. <i>Biochemistry</i> , 2009, 48, 792-799.	1.2	95
141	Regulation of ryanodine receptors by reactive nitrogen species. <i>Biochemical Pharmacology</i> , 1999, 57, 1079-1084.	2.0	93
142	Nitrosative Stress-induced Apoptosis through Inhibition of NF- κ B. <i>Journal of Biological Chemistry</i> , 2002, 277, 34223-34228.	1.6	91
143	Reducing acetylated tau is neuroprotective in brain injury. <i>Cell</i> , 2021, 184, 2715-2732.e23.	13.5	91
144	In Vivo Gene Transfer of Nitric Oxide Synthase Enhances Vasomotor Function in Carotid Arteries From Normal and Cholesterol-Fed Rabbits. <i>Circulation</i> , 1998, 98, 1905-1911.	1.6	85

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145	Nitrosative Stress in the ER: A New Role for S-Nitrosylation in Neurodegenerative Diseases. ACS Chemical Biology, 2006, 1, 355-358.	1.6	85
146	Regulation of the Cardiac Muscle Ryanodine Receptor by O ₂ Tension and S-Nitrosoglutathione. Biochemistry, 2008, 47, 13985-13990.	1.2	84
147	Chapter 29 Nitric oxide in the central nervous system. Progress in Brain Research, 1994, 103, 359-364.	0.9	83
148	Assessments of the chemistry and vasodilatory activity of nitrite with hemoglobin under physiologically relevant conditions. Journal of Inorganic Biochemistry, 2005, 99, 912-921.	1.5	82
149	Assessment of nitric oxide signals by triiodide chemiluminescence. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2157-2162.	3.3	82
150	Myeloid KrÄppel-Like Factor 4 Deficiency Augments Atherogenesis in ApoE ^{0/0} Miceâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2836-2838.	1.1	82
151	Concerted regulation of skeletal muscle contractility by oxygen tension and endogenous nitric oxide. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15229-15234.	3.3	81
152	Convergence of G Proteinâ€”Coupled Receptor and S-Nitrosylation Signaling Determines the Outcome to Cardiac Ischemic Injury. Science Signaling, 2013, 6, ra95.	1.6	79
153	Regulation of ion channel structure and function by reactive oxygen-nitrogen species. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L1184-L1189.	1.3	78
154	Host S-nitrosylation inhibits clostridial small moleculeâ€”activated glucosylating toxins. Nature Medicine, 2011, 17, 1136-1141.	15.2	75
155	Thioredoxin-interacting Protein (Txnip) Is a Feedback Regulator of S-Nitrosylation. Journal of Biological Chemistry, 2009, 284, 36160-36166.	1.6	73
156	Nitroxyl Disulfides, Novel Intermediates in Transnitrosation Reactions. Journal of the American Chemical Society, 2003, 125, 6972-6976.	6.6	72
157	Effect of Nitric Oxide Synthase Inhibition on Bleeding Time in Humans. Journal of Cardiovascular Pharmacology, 1995, 26, 339.	0.8	71
158	Off-target thiol alkylation by the NADPH oxidase inhibitor 3-benzyl-7-(2-benzoxazolyl)thio-1,2,3-triazolo[4,5-d]pyrimidine (VAS2870). Free Radical Biology and Medicine, 2012, 52, 1897-1902.	1.3	71
159	[11] Concerted nitric oxide/oxygen delivery by hemoglobin. Methods in Enzymology, 1999, 301, 99-114.	0.4	70
160	S-Nitrosylating Agents: A Novel Class of Compounds That Increase Cystic Fibrosis Transmembrane Conductance Regulator Expression and Maturation in Epithelial Cells. Molecular Pharmacology, 2006, 70, 1435-1442.	1.0	70
161	Fiber Type-Specific Nitric Oxide Protects Oxidative Myofibers against Cachectic Stimuli. PLoS ONE, 2008, 3, e2086.	1.1	70
162	Nitric Oxide Transport in Blood: A Third Gas in the Respiratory Cycle. , 2011, 1, 541-568.		70

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