

# Jonathan Stamler

## List of Publications by Citations

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276  
papers

51,946  
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111  
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227  
g-index

296  
ext. papers

55,282  
ext. citations

14.1  
avg, IF

7.52  
L-index

#	Paper	IF	Citations
276	Biochemistry of nitric oxide and its redox-activated forms. <i>Science</i> , <b>1992</b> , 258, 1898-902	33.3	2407
275	A redox-based mechanism for the neuroprotective and neurodestructive effects of nitric oxide and related nitroso-compounds. <i>Nature</i> , <b>1993</b> , 364, 626-32	50.4	2254
274	Protein S-nitrosylation: purview and parameters. <i>Nature Reviews Molecular Cell Biology</i> , <b>2005</b> , 6, 150-66	48.7	1672
273	Redox signaling: nitrosylation and related target interactions of nitric oxide. <i>Cell</i> , <b>1994</b> , 78, 931-6	56.2	1601
272	S-nitrosohaemoglobin: a dynamic activity of blood involved in vascular control. <i>Nature</i> , <b>1996</b> , 380, 221-6	50.4	1408
271	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> , <b>1992</b> , 89, 444-8	11.5	1241
270	Nitrosylation. the prototypic redox-based signaling mechanism. <i>Cell</i> , <b>2001</b> , 106, 675-83	56.2	1153
269	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> , <b>1992</b> , 89, 7674-7	11.5	1074
268	Blood flow regulation by S-nitrosohemoglobin in the physiological oxygen gradient. <i>Science</i> , <b>1997</b> , 276, 2034-7	33.3	932
267	Activation of the cardiac calcium release channel (ryanodine receptor) by poly-S-nitrosylation. <i>Science</i> , <b>1998</b> , 279, 234-7	33.3	883
266	Nitric oxide in skeletal muscle. <i>Nature</i> , <b>1994</b> , 372, 546-8	50.4	818
265	The biology of nitrogen oxides in the airways. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1994</b> , 149, 538-51	10.2	778
264	Physiology of nitric oxide in skeletal muscle. <i>Physiological Reviews</i> , <b>2001</b> , 81, 209-237	47.9	771
263	A metabolic enzyme for S-nitrosothiol conserved from bacteria to humans. <i>Nature</i> , <b>2001</b> , 410, 490-4	50.4	757
262	Relationship of blood transfusion and clinical outcomes in patients with acute coronary syndromes. <i>JAMA - Journal of the American Medical Association</i> , <b>2004</b> , 292, 1555-62	27.4	725
261	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> , <b>1997</b> , 94, 5923-8	11.5	689
260	Nitric oxide synthase in human and rat lung: immunocytochemical and histochemical localization. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>1993</b> , 9, 371-7	5.7	686

259	Fas-induced caspase denitrosylation. <i>Science</i> , <b>1999</b> , 284, 651-4	33.3	676
258	(S)NO signals: translocation, regulation, and a consensus motif. <i>Neuron</i> , <b>1997</b> , 18, 691-6	13.9	623
257	Redox-based regulation of signal transduction: principles, pitfalls, and promises. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 1-17	7.8	617
256	Adverse vascular effects of homocysteine are modulated by endothelium-derived relaxing factor and related oxides of nitrogen. <i>Journal of Clinical Investigation</i> , <b>1993</b> , 91, 308-18	15.9	607
255	Protein S-nitrosylation in health and disease: a current perspective. <i>Trends in Molecular Medicine</i> , <b>2009</b> , 15, 391-404	11.5	590
254	NO <sup>+</sup> , NO, and NO <sup>-</sup> 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> , <b>1995</b> , 318, 279-85	4.1	554
253	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> , <b>1993</b> , 90, 10957-61	11.5	548
252	Reactions between nitric oxide and haemoglobin under physiological conditions. <i>Nature</i> , <b>1998</b> , 391, 169-73	33.4	516
251	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> , <b>1994</b> , 91, 10089-93	11.5	489
250	Export by red blood cells of nitric oxide bioactivity. <i>Nature</i> , <b>2001</b> , 409, 622-6	50.4	480
249	Identification of the enzymatic mechanism of nitroglycerin bioactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 8306-11	11.5	459
248	Nitric oxide produced by human B lymphocytes inhibits apoptosis and Epstein-Barr virus reactivation. <i>Cell</i> , <b>1994</b> , 79, 1137-46	56.2	455
247	Regulated protein denitrosylation by cytosolic and mitochondrial thioredoxins. <i>Science</i> , <b>2008</b> , 320, 1050-4	35.3	452
246	S-nitrosylation in health and disease. <i>Trends in Molecular Medicine</i> , <b>2003</b> , 9, 160-8	11.5	451
245	Essential roles of S-nitrosothiols in vascular homeostasis and endotoxic shock. <i>Cell</i> , <b>2004</b> , 116, 617-28	56.2	448
244	Nitric oxide regulates basal systemic and pulmonary vascular resistance in healthy humans. <i>Circulation</i> , <b>1994</b> , 89, 2035-40	16.7	429
243	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> , <b>1996</b> , 108, 277-93	3.4	420
242	OxyR: a molecular code for redox-related signaling. <i>Cell</i> , <b>2002</b> , 109, 383-96	56.2	414

241	S-nitrosylation in cardiovascular signaling. <i>Circulation Research</i> , <b>2010</b> , 106, 633-46	15.7	401
240	A novel protective effect of erythropoietin in the infarcted heart. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 999-1007	15.9	392
239	Nitric oxide in the human respiratory cycle. <i>Nature Medicine</i> , <b>2002</b> , 8, 711-7	50.5	391
238	Protein denitrosylation: enzymatic mechanisms and cellular functions. <i>Nature Reviews Molecular Cell Biology</i> , <b>2009</b> , 10, 721-32	48.7	389
237	Chemical physiology of blood flow regulation by red blood cells: the role of nitric oxide and S-nitrosohemoglobin. <i>Annual Review of Physiology</i> , <b>2005</b> , 67, 99-145	23.1	380
236	Nitrosation and oxidation in the regulation of gene expression. <i>FASEB Journal</i> , <b>2000</b> , 14, 1889-900	0.9	373
235	The skeletal muscle calcium release channel: coupled O <sub>2</sub> sensor and NO signaling functions. <i>Cell</i> , <b>2000</b> , 102, 499-509	56.2	370
234	The oxyhemoglobin reaction of nitric oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 9027-32	11.5	353
233	Endothelial type nitric oxide synthase in skeletal muscle fibers: mitochondrial relationships. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 211, 375-81	3.4	344
232	Inhibition of NF-kappa B by S-nitrosylation. <i>Biochemistry</i> , <b>2001</b> , 40, 1688-93	3.2	328
231	Nitrosative stress: activation of the transcription factor OxyR. <i>Cell</i> , <b>1996</b> , 86, 719-29	56.2	320
230	Proteomic analysis of S-nitrosylation and denitrosylation by resin-assisted capture. <i>Nature Biotechnology</i> , <b>2009</b> , 27, 557-9	44.5	307
229	Expired nitric oxide levels during treatment of acute asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1995</b> , 152, 800-3	10.2	290
228	Enhanced colonic nitric oxide generation and nitric oxide synthase activity in ulcerative colitis and Crohn's disease. <i>Gut</i> , <b>1995</b> , 36, 718-23	19.2	280
227	Regulation by S-nitrosylation of protein post-translational modification. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 4411-8	5.4	266
226	NO/redox disequilibrium in the failing heart and cardiovascular system. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 509-17	15.9	262
225	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> , <b>2001</b> , 98, 11158-62	11.5	258
224	Nitrosative stress: metabolic pathway involving the flavohemoglobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 14100-5	11.5	256

223	Nitric oxide inhibits Fas-induced apoptosis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 24125-8	5.4	248
222	Peroxynitrite-induced rat colitis—a new model of colonic inflammation. <i>Gastroenterology</i> , <b>1993</b> , 105, 1681-8	3.8	245
221	Detection of protein S-nitrosylation with the biotin-switch technique. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 119-26	7.8	241
220	Glioma stem cell proliferation and tumor growth are promoted by nitric oxide synthase-2. <i>Cell</i> , <b>2011</b> , 146, 53-66	56.2	240
219	Basal and stimulated protein S-nitrosylation in multiple cell types and tissues. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 9637-40	5.4	238
218	Regulation of beta-adrenergic receptor signaling by S-nitrosylation of G-protein-coupled receptor kinase 2. <i>Cell</i> , <b>2007</b> , 129, 511-22	56.2	237
217	Protection from experimental asthma by an endogenous bronchodilator. <i>Science</i> , <b>2005</b> , 308, 1618-21	33.3	237
216	S-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> , <b>2007</b> , 104, 17058-62	11.5	236
215	In vivo transfer of nitric oxide between a plasma protein-bound reservoir and low molecular weight thiols. <i>Journal of Clinical Investigation</i> , <b>1994</b> , 94, 1432-9	15.9	236
214	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 482-489	15.9	236
213	NO forms an adduct with serum albumin that has endothelium-derived relaxing factor-like properties. <i>Journal of Clinical Investigation</i> , <b>1993</b> , 91, 1582-9	15.9	228
212	N-acetylcysteine potentiates platelet inhibition by endothelium-derived relaxing factor. <i>Circulation Research</i> , <b>1989</b> , 65, 789-95	15.7	222
211	Site-specific analysis of protein S-acylation by resin-assisted capture. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 393-8	6.3	214
210	Oxidative modifications in nitrosative stress. <i>Nature Structural Biology</i> , <b>1998</b> , 5, 247-9		212
209	Posttranslational modification of glyceraldehyde-3-phosphate dehydrogenase by S-nitrosylation and subsequent NADH attachment. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 4209-14	5.4	199
208	An S-nitrosothiol (SNO) synthase function of hemoglobin that utilizes nitrite as a substrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 8366-71	11.5	196
207	Enzymatic mechanisms regulating protein S-nitrosylation: implications in health and disease. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 233-44	5.5	195
206	The SNO-proteome: causation and classifications. <i>Current Opinion in Chemical Biology</i> , <b>2011</b> , 15, 129-36	9.7	195

205	Cardiovascular effects of inhaled nitric oxide in patients with left ventricular dysfunction. <i>Circulation</i> , <b>1994</b> , 90, 2780-5	16.7	193
204	Bronchodilator S-nitrosothiol deficiency in asthmatic respiratory failure. <i>Lancet, The</i> , <b>1998</b> , 351, 1317-9	40	192
203	An essential role for mitochondrial aldehyde dehydrogenase in nitroglycerin bioactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 12159-64	11.5	189
202	Endogenous S-nitrosothiols protect against myocardial injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 6297-302	11.5	185
201	Routes to S-nitroso-hemoglobin formation with heme redox and preferential reactivity in the beta subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 4611-6	11.5	185
200	Ascaris haemoglobin is a nitric oxide-activated hemoxygenase. <i>Nature</i> , <b>1999</b> , 401, 497-502	50.4	184
199	Polynitrosylated proteins: characterization, bioactivity, and functional consequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 4736-41	11.5	183
198	Assessment and application of the biotin switch technique for examining protein S-nitrosylation under conditions of pharmacologically induced oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 13977-83	5.4	182
197	Attenuation of NMDA receptor activity and neurotoxicity by nitroxyl anion, NO <sup>-</sup> . <i>Neuron</i> , <b>1999</b> , 24, 461-9	13.9	181
196	Mechanism of covalent modification of glyceraldehyde-3-phosphate dehydrogenase at its active site thiol by nitric oxide, peroxy nitrite and related nitrosating agents. <i>FEBS Letters</i> , <b>1994</b> , 348, 223-7	3.8	180
195	S-nitrosothiol signaling in respiratory biology. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 173, 1186-93	10.2	175
194	Biological chemistry of thiols in the vasculature and in vascular-related disease. <i>Nutrition Reviews</i> , <b>1996</b> , 54, 1-30	6.4	172
193	NO: an inhibitor of cell death. <i>Cell Death and Differentiation</i> , <b>1999</b> , 6, 937-42	12.7	166
192	NOS2 regulation of NF-kappaB by S-nitrosylation of p65. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 30667-72	7.72	165
191	An apoptotic model for nitrosative stress. <i>Biochemistry</i> , <b>2000</b> , 39, 1040-7	3.2	164
190	Protection from nitrosative stress by yeast flavohemoglobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 4672-6	11.5	163
189	A mechanism of paraquat toxicity involving nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 12760-5	11.5	161
188	Maintenance of nitric oxide and redox homeostasis by the salmonella flavohemoglobin hmp. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 28039-47	5.4	156

187	Nitric oxide regulates endocytosis by S-nitrosylation of dynamin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 1295-300	11.5	155
186	Enzymes that counteract nitrosative stress promote fungal virulence. <i>Current Biology</i> , <b>2003</b> , 13, 1963-8	6.3	149
185	Cardioprotective effects of erythropoietin in the reperfused ischemic heart: a potential role for cardiac fibroblasts. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 20655-62	5.4	147
184	S-nitrosylation of beta-arrestin regulates beta-adrenergic receptor trafficking. <i>Molecular Cell</i> , <b>2008</b> , 31, 395-405	17.6	144
183	New insights into protein S-nitrosylation. Mitochondria as a model system. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 25891-7	5.4	144
182	S-nitrosylation: physiological regulation of NF-kappaB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8841-2	11.5	135
181	Capillary zone electrophoretic detection of biological thiols and their S-nitrosated derivatives. <i>Analytical Chemistry</i> , <b>1992</b> , 64, 779-85	7.8	132
180	Screening for nitric oxide-dependent protein-protein interactions. <i>Science</i> , <b>2003</b> , 301, 657-61	33.3	131
179	Endogenous protein S-Nitrosylation in E. coli: regulation by OxyR. <i>Science</i> , <b>2012</b> , 336, 470-3	33.3	130
178	Classes of thiols that influence the activity of the skeletal muscle calcium release channel. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 15625-30	5.4	127
177	Endothelium-derived nitric oxide regulates systemic and pulmonary vascular resistance during acute hypoxia in humans. <i>Journal of the American College of Cardiology</i> , <b>1996</b> , 28, 591-6	15.1	127
176	Hypoxic vasodilation by red blood cells: evidence for an s-nitrosothiol-based signal. <i>Circulation Research</i> , <b>2008</b> , 103, 545-53	15.7	123
175	Functional coupling of oxygen binding and vasoactivity in S-nitrosohemoglobin. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 16738-45	5.4	115
174	Oxygen-regulated beta(2)-adrenergic receptor hydroxylation by EGLN3 and ubiquitylation by pVHL. <i>Science Signaling</i> , <b>2009</b> , 2, ra33	8.8	114
173	Endothelium-Derived Nitric Oxide Regulates Systemic and Pulmonary Vascular Resistance During Acute Hypoxia in Humans. <i>Journal of the American College of Cardiology</i> , <b>1996</b> , 28, 591-596	15.1	114
172	A nitric oxide processing defect of red blood cells created by hypoxia: deficiency of S-nitrosohemoglobin in pulmonary hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 14801-6	11.5	113
171	S-N dissociation energies of S-nitrosothiols: on the origins of nitrosothiol decomposition rates. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 8868-9	16.4	113
170	Hemoglobin, nitric oxide and molecular mechanisms of hypoxic vasodilation. <i>Trends in Molecular Medicine</i> , <b>2009</b> , 15, 452-60	11.5	111



169	Impaired vasodilation by red blood cells in sickle cell disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 2531-6	11.5	111
168	Acute effects of aerosolized S-nitrosoglutathione in cystic fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2002</b> , 165, 922-6	10.2	111
167	The decomposition of thionitrites. <i>Current Opinion in Chemical Biology</i> , <b>2002</b> , 6, 779-85	9.7	107
166	Inhaled ethyl nitrite gas for persistent pulmonary hypertension of the newborn. <i>Lancet, The</i> , <b>2002</b> , 360, 141-3	4.0	107
165	Dual targeting of the thioredoxin and glutathione systems in cancer and HIV. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 1630-9	15.9	105
164	Protein S-Nitrosylation: Determinants of Specificity and Enzymatic Regulation of S-Nitrosothiol-Based Signaling. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 1331-1351	8.4	104
163	S-Nitrosylation of cardiac ion channels. <i>Journal of Cardiovascular Pharmacology</i> , <b>2009</b> , 54, 188-95	3.1	101
162	Theory, Spectroscopy, and Crystallographic Analysis of S-Nitrosothiols: Conformational Distribution Dictates Spectroscopic Behavior. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 5889-5890	16.4	101
161	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 482-9	15.9	100
160	Identification of S-nitrosylated targets of thioredoxin using a quantitative proteomic approach. <i>Biochemistry</i> , <b>2010</b> , 49, 6963-9	3.2	98
159	Dynamic denitrosylation via S-nitrosoglutathione reductase regulates cardiovascular function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 4314-9	11.5	98
158	A protein microarray-based analysis of S-nitrosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 18948-53	11.5	97
157	Nitric oxide production in experimental alcoholic liver disease in the rat: role in protection from injury. <i>Gastroenterology</i> , <b>1995</b> , 109, 899-907	13.3	97
156	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> , <b>1991</b> , 18, 1529-36	15.1	96
155	Nitric oxide, NOC-12, and S-nitrosoglutathione modulate the skeletal muscle calcium release channel/ryanodine receptor by different mechanisms. An allosteric function for O <sub>2</sub> in S-nitrosylation of the channel. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8184-9	5.4	94
154	Cell-free and erythrocytic S-nitrosohemoglobin inhibits human platelet aggregation. <i>Circulation</i> , <b>1998</b> , 97, 263-7	16.7	92
153	Bioactivation of nitroglycerin by the mitochondrial aldehyde dehydrogenase. <i>Trends in Cardiovascular Medicine</i> , <b>2006</b> , 16, 259-65	6.9	91
152	-nitrosylation drives cell senescence and aging in mammals by controlling mitochondrial dynamics and mitophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E3388-E3397	11.5	88



151	Inflammatory stimuli induce inhibitory S-nitrosylation of the deacetylase SIRT1 to increase acetylation and activation of p53 and p65. <i>Science Signaling</i> , <b>2014</b> , 7, ra106	8.8	88
150	S-nitrosoglutathione reductase: an important regulator in human asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 226-31	10.2	87
149	S-nitrosylation: integrator of cardiovascular performance and oxygen delivery. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 101-10	15.9	87
148	A genetic analysis of nitrosative stress. <i>Biochemistry</i> , <b>2009</b> , 48, 792-9	3.2	86
147	Regulation of ryanodine receptors by reactive nitrogen species. <i>Biochemical Pharmacology</i> , <b>1999</b> , 57, 1079-84	6	85
146	Oxygen-coupled redox regulation of the skeletal muscle ryanodine receptor-Ca <sup>2+</sup> release channel by NADPH oxidase 4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16098-103	11.5	84
145	Metabolic reprogramming by the S-nitroso-CoA reductase system protects against kidney injury. <i>Nature</i> , <b>2019</b> , 565, 96-100	50.4	84
144	Frequency of hypercholesterolemia after cardiac transplantation. <i>American Journal of Cardiology</i> , <b>1988</b> , 62, 1268-72	3	82
143	A Multiplex Enzymatic Machinery for Cellular Protein S-nitrosylation. <i>Molecular Cell</i> , <b>2018</b> , 69, 451-464.e67.6	67.6	81
142	Structural and functional consequences of coenzyme binding to the inactive asian variant of mitochondrial aldehyde dehydrogenase: roles of residues 475 and 487. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 12940-50	5.4	81
141	Nitrosative stress-induced apoptosis through inhibition of NF-kappa B. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 34223-8	5.4	79
140	Hemoglobin $\alpha$ ys93 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> , <b>2015</b> , 112, 6425-30	11.5	78
139	Concerted regulation of skeletal muscle contractility by oxygen tension and endogenous nitric oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 15229-34	11.5	77
138	Regulation of the cardiac muscle ryanodine receptor by O <sub>2</sub> tension and S-nitrosoglutathione. <i>Biochemistry</i> , <b>2008</b> , 47, 13985-90	3.2	75
137	Assessments of the chemistry and vasodilatory activity of nitrite with hemoglobin under physiologically relevant conditions. <i>Journal of Inorganic Biochemistry</i> , <b>2005</b> , 99, 912-21	4.2	75
136	Nitrosative stress in the ER: a new role for S-nitrosylation in neurodegenerative diseases. <i>ACS Chemical Biology</i> , <b>2006</b> , 1, 355-8	4.9	74
135	Distinct roles of resident and nonresident macrophages in nonischemic cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E4661-E4669	11.5	73
134	In vivo gene transfer of nitric oxide synthase enhances vasomotor function in carotid arteries from normal and cholesterol-Fed rabbits. <i>Circulation</i> , <b>1998</b> , 98, 1905-11	16.7	73

133	Regulation of ion channel structure and function by reactive oxygen-nitrogen species. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2003</b> , 285, L1184-9	5.8	72
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