

# Jonathan Stamler

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9830311/jonathan-stamler-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

276  
papers

51,946  
citations

111  
h-index

227  
g-index

296  
ext. papers

55,282  
ext. citations

14.1  
avg, IF

7.52  
L-index

#	Paper	IF	Citations
276	S-Nitrosylated hemoglobin predicts organ yield in neurologically-deceased human donors.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6639	4.9	
275	Hypoxic vasodilatory defect and pulmonary hypertension in mice lacking hemoglobin $\beta$ cysteine93 S-nitrosylation.. <i>JCI Insight</i> , <b>2021</b> ,	9.9	2
274	Redox activation of ATM enhances GSNOR translation to sustain mitophagy and tolerance to oxidative stress. <i>EMBO Reports</i> , <b>2021</b> , 22, e50500	6.5	11
273	The enzymatic function of the honorary enzyme: S-nitrosylation of hemoglobin in physiology and medicine. <i>Molecular Aspects of Medicine</i> , <b>2021</b> , 84, 101056	16.7	1
272	The manifold roles of protein S-nitrosylation in the life of insulin. <i>Nature Reviews Endocrinology</i> , <b>2021</b> ,	15.2	2
271	Reducing acetylated tau is neuroprotective in brain injury. <i>Cell</i> , <b>2021</b> , 184, 2715-2732.e23	56.2	18
270	An optimized protocol for isolation of S-nitrosylated proteins from. <i>STAR Protocols</i> , <b>2021</b> , 2, 100547	1.4	
269	A Novel Method to Improve Perfusion of Ex Vivo Pumped Human Kidneys. <i>Annals of Surgery</i> , <b>2021</b> , 274, e610-e615	7.8	3
268	Red Blood Cell-Mediated S-Nitrosohemoglobin-Dependent Vasodilation: Lessons Learned from a EGlobin Cys93 Knock-In Mouse. <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 34, 936-961	8.4	5
267	Essential Role of Hemoglobin $\beta$ Cys93 in Cardiovascular Physiology. <i>Physiology</i> , <b>2020</b> , 35, 234-243	9.8	8
266	Anaerobic Transcription by OxyR: A Novel Paradigm for Nitrosative Stress. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 32, 803-816	8.4	8
265	Role of Nitric Oxide Carried by Hemoglobin in Cardiovascular Physiology: Developments on a Three-Gas Respiratory Cycle. <i>Circulation Research</i> , <b>2020</b> , 126, 129-158	15.7	32
264	AKR1A1 is a novel mammalian -nitroso-glutathione reductase. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 18285-18293	5.4	10
263	Letter by Reynolds et al Regarding Article, "Hemoglobin $\beta$ 3 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell". <i>Circulation</i> , <b>2019</b> , 140, e758-e759	16.7	4
262	Functions of blood group antigens <b>2019</b> , 285-296		
261	Regulation of MicroRNA Machinery and Development by Interspecies S-Nitrosylation. <i>Cell</i> , <b>2019</b> , 176, 1014-1025.e12	56.2	41
260	Molecular recognition of -nitrosothiol substrate by its cognate protein denitrosylase. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 1568-1578	5.4	13

259	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
258	Improvement in Outcomes After Cardiac Arrest and Resuscitation by Inhibition of S-Nitrosoglutathione Reductase. <i>Circulation</i> , <b>2019</b> , 139, 815-827	16.7	22
257	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
256	A Multiplex Enzymatic Machinery for Cellular Protein S-nitrosylation. <i>Molecular Cell</i> , <b>2018</b> , 69, 451-464.e6	7.6	81
255	S-Nitrosylation of Arrestins Biases Receptor Signaling and Confers Ligand Independence. <i>Molecular Cell</i> , <b>2018</b> , 70, 473-487.e6	17.6	20
254	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
253	-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
252	-Nitrosoglutathione Reductase Dysfunction Contributes to Obesity-Associated Hepatic Insulin Resistance via Regulating Autophagy. <i>Diabetes</i> , <b>2018</b> , 67, 193-207	0.9	40
251	S-Nitrosohemoglobin Levels and Patient Outcome After Transfusion During Pediatric Bypass Surgery. <i>Clinical and Translational Science</i> , <b>2018</b> , 11, 237-243	4.9	3
250	Pharmacologic Targeting of Red Blood Cells to Improve Tissue Oxygenation. <i>Clinical Pharmacology and Therapeutics</i> , <b>2018</b> , 104, 553-563	6.1	10
249	Letter by Stamler et al Regarding Article, "Nitrite and -Nitrosohemoglobin Exchange Across the Human Cerebral and Femoral Circulation: Relationship to Basal and Exercise Blood Flow Responses to Hypoxia". <i>Circulation</i> , <b>2017</b> , 135, e1135-e1136	16.7	3
248	The LArgPAD Trial: Phase IIA evaluation of l-arginine infusion in patients with peripheral arterial disease. <i>Journal of Vascular Surgery</i> , <b>2017</b> , 66, 187-194	3.5	9
247	Endothelial cell-surface tissue transglutaminase inhibits neutrophil adhesion by binding and releasing nitric oxide. <i>Scientific Reports</i> , <b>2017</b> , 7, 16163	4.9	7
246	-Nitrosoglutathione Reductase Deficiency Confers Improved Survival and Neurological Outcome in Experimental Cerebral Malaria. <i>Infection and Immunity</i> , <b>2017</b> , 85,	3.7	10
245	5. Resistance factors for nitrosative and oxidative stress <b>2017</b> , 41-46		
244	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
243	Hemoglobin S-nitrosylation plays an essential role in cardioprotection. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4654-4658	15.9	34
242	Polyglutamine Tract Expansion Increases S-Nitrosylation of Huntingtin and Ataxin-1. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163359	3.7	4

241	S-nitrosylation of the Mitochondrial Chaperone TRAP1 Sensitizes Hepatocellular Carcinoma Cells to Inhibitors of Succinate Dehydrogenase. <i>Cancer Research</i> , <b>2016</b> , 76, 4170-82	10.1	44
240	S-Palmitoylation of a Novel Site in the $\beta$ -Adrenergic Receptor Associated with a Novel Intracellular Itinerary. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 20232-46	5.4	29
239	Hemoglobin $\alpha$ 93 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
238	S-Nitrosylation of Calcium-Handling Proteins in Cardiac Adrenergic Signaling and Hypertrophy. <i>Circulation Research</i> , <b>2015</b> , 117, 793-803	15.7	45
237	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 3461-76	15.9	67
236	S-nitrosothiol signaling regulates liver development and improves outcome following toxic liver injury. <i>Cell Reports</i> , <b>2014</b> , 6, 56-69	10.6	36
235	Regulation of the skeletal muscle ryanodine receptor/ $\text{Ca}^{2+}$ -release channel RyR1 by S-palmitoylation. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8612-9	5.4	28
234	Identification of S-nitroso-CoA reductases that regulate protein S-nitrosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 18572-7	11.5	42
233	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
232	Redox pioneer: Professor Stuart A. Lipton. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 757-64	8.4	
231	Convergence of G protein-coupled receptor and S-nitrosylation signaling determines the outcome to cardiac ischemic injury. <i>Science Signaling</i> , <b>2013</b> , 6, ra95	8.8	59
230	Insights into BAY 60-2770 activation and S-nitrosylation-dependent desensitization of soluble guanylyl cyclase via crystal structures of homologous nostoc H-NOX domain complexes. <i>Biochemistry</i> , <b>2013</b> , 52, 3601-8	3.2	45
229	An unusual case of peripartum pulmonary oedema. <i>BMJ Case Reports</i> , <b>2013</b> , 2013,	0.9	1
228	Identifying single S-nitrosothiol sites with cardioprotection. <i>Circulation Research</i> , <b>2013</b> , 113, 849-51	15.7	2
227	Reduction of cardiomyocyte S-nitrosylation by S-nitrosoglutathione reductase protects against sepsis-induced myocardial depression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H1134-46	5.2	31
226	S-nitrosylation therapy to improve oxygen delivery of banked blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11529-34	11.5	31
225	Oxygen-coupled redox regulation of the skeletal muscle ryanodine receptor/ $\text{Ca}^{2+}$ release channel (RyR1): sites and nature of oxidative modification. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 22961-71	5.4	40
224	Repletion of S-nitrosohemoglobin improves organ function and physiological status in swine after brain death. <i>Annals of Surgery</i> , <b>2013</b> , 257, 971-7	7.8	9

223	S-nitrosylation: integrator of cardiovascular performance and oxygen delivery. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 101-10	15.9	87
222	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
221	Is the flavohemoglobin a nitric oxide dioxygenase?. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 1209-10; author reply 1211-2	7.8	13
220	Aberrant S-nitrosylation mediates calcium-triggered ventricular arrhythmia in the intact heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18186-91	11.5	43
219	Endogenous protein S-Nitrosylation in E. coli: regulation by OxyR. <i>Science</i> , <b>2012</b> , 336, 470-3	33.3	130
218	Off-target thiol alkylation by the NADPH oxidase inhibitor 3-benzyl-7-(2-benzoxazolyl)thio-1,2,3-triazolo[4,5-d]pyrimidine (VAS2870). <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 1897-902	7.8	58
217	Myeloid Krüppel-like factor 4 deficiency augments atherogenesis in ApoE <sup>-/-</sup> mice--brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 2836-8	9.4	64
216	Clostridial toxins: sensing a target in a hostile gut environment. <i>Gut Microbes</i> , <b>2012</b> , 3, 35-41	8.8	6
215	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
214	Regulation by S-nitrosylation of protein post-translational modification. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 4411-8	5.4	266
213	Host S-nitrosylation inhibits clostridial small molecule-activated glucosylating toxins. <i>Nature Medicine</i> , <b>2011</b> , 17, 1136-41	50.5	67
212	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
211	S-Nitrosylation at the interface of autophagy and disease. <i>Molecular Cell</i> , <b>2011</b> , 43, 1-3	17.6	21
210	Nitric oxide transport in blood: a third gas in the respiratory cycle. <i>Comprehensive Physiology</i> , <b>2011</b> , 1, 541-68	7.7	53
209	The transfusion problem: role of aberrant S-nitrosylation. <i>Transfusion</i> , <b>2011</b> , 51, 852-8	2.9	28
208	The SNO-proteome: causation and classifications. <i>Current Opinion in Chemical Biology</i> , <b>2011</b> , 15, 129-36	9.7	195
207	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
206	Pharmacologically augmented S-nitrosylated hemoglobin improves recovery from murine subarachnoid hemorrhage. <i>Stroke</i> , <b>2011</b> , 42, 471-6	6.7	29

205	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
204	Reply to Meszaros: S-Nitrosylation of the RyR in Health and Disease. <i>Circulation Research</i> , <b>2010</b> , 107,	15.7	1
203	S-nitrosylation in cardiovascular signaling. <i>Circulation Research</i> , <b>2010</b> , 106, 633-46	15.7	401
202	EPR spectroscopy of nitrite complexes of methemoglobin. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 6330-7	5.1	13
201	Identification of S-nitrosylated targets of thioredoxin using a quantitative proteomic approach. <i>Biochemistry</i> , <b>2010</b> , 49, 6963-9	3.2	98
200	GSNO reductase and beta2-adrenergic receptor gene-gene interaction: bronchodilator responsiveness to albuterol. <i>Pharmacogenetics and Genomics</i> , <b>2010</b> , 20, 351-8	1.9	49
199	Assays for S-nitrosothiols and S-nitrosylated proteins and mechanistic insights into cardioprotection. <i>Circulation</i> , <b>2009</b> , 120, 190-3	16.7	11
198	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
197	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
196	Protection from lipopolysaccharide-induced lung injury by augmentation of airway S-nitrosothiols. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 11-8	10.2	36
195	Thioredoxin-interacting protein (Txnip) is a feedback regulator of S-nitrosylation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 36160-36166	5.4	66
194	Inclusion of a nitric oxide congener in the insufflation gas repletes S-nitrosohemoglobin and stabilizes physiologic status during prolonged carbon dioxide pneumoperitoneum. <i>Clinical and Translational Science</i> , <b>2009</b> , 2, 405-12	4.9	21
193	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
192	Proteomic analysis of S-nitrosylation and denitrosylation by resin-assisted capture. <i>Nature Biotechnology</i> , <b>2009</b> , 27, 557-9	44.5	307
191	Nitrite-methemoglobin inadequate for hypoxic vasodilation. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 366; author reply 367	11.7	17
190	Protein denitrosylation: enzymatic mechanisms and cellular functions. <i>Nature Reviews Molecular Cell Biology</i> , <b>2009</b> , 10, 721-32	48.7	389
189	A genetic analysis of nitrosative stress. <i>Biochemistry</i> , <b>2009</b> , 48, 792-9	3.2	86
188	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

187	Hemoglobin, nitric oxide and molecular mechanisms of hypoxic vasodilation. <i>Trends in Molecular Medicine</i> , <b>2009</b> , 15, 452-60	11.5	111
186	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
185	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
184	S-Nitrosylation of cardiac ion channels. <i>Journal of Cardiovascular Pharmacology</i> , <b>2009</b> , 54, 188-95	3.1	101
183	EPR Studies of the Chemical Dynamics of NO and Hemoglobin Interactions. <i>Biological Magnetic Resonance</i> , <b>2009</b> , 419-438	0.5	1
182	SNO-hemoglobin and hypoxic vasodilation. <i>Nature Medicine</i> , <b>2008</b> , 14, 1008-9; author reply 1009-10	50.5	33
181	Co-regulation of constitutive nitric oxide synthases and NADPH oxidase by the small GTPase Rac. <i>FEBS Letters</i> , <b>2008</b> , 582, 2195-202	3.8	37
180	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
179	Interactions of NO with hemoglobin: from microbes to man. <i>Methods in Enzymology</i> , <b>2008</b> , 436, 131-68	1.7	59
178	S-nitrosylation of beta-arrestin regulates beta-adrenergic receptor trafficking. <i>Molecular Cell</i> , <b>2008</b> , 31, 395-405	17.6	144
177	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
176	A SNO storm in skeletal muscle. <i>Cell</i> , <b>2008</b> , 133, 33-5	56.2	26
175	Regulation of the cardiac muscle ryanodine receptor by O(2) tension and S-nitrosoglutathione. <i>Biochemistry</i> , <b>2008</b> , 47, 13985-90	3.2	75
174	Nitroglycerin-mediated S-nitrosylation of proteins: a field comes full cycle. <i>Circulation Research</i> , <b>2008</b> , 103, 557-9	15.7	9
173	Myocyte specific overexpression of myoglobin impairs angiogenesis after hind-limb ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 2144-50	9.4	17
172	Fiber type-specific nitric oxide protects oxidative myofibers against cachectic stimuli. <i>PLoS ONE</i> , <b>2008</b> , 3, e2086	3.7	61
171	Regulated protein denitrosylation by cytosolic and mitochondrial thioredoxins. <i>Science</i> , <b>2008</b> , 320, 1050-4	35.3	452
170	NO-dependent up-regulation of antioxidant genes protects oxidative myofibers from cachectic stimuli in mice. <i>FASEB Journal</i> , <b>2008</b> , 22, 754.16	0.9	

169	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
168	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
167	NOS2 regulation of NF-kappaB by S-nitrosylation of p65. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 30667-72	5.7	165
166	Assessment of nitric oxide signals by triiodide chemiluminescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2157-62	11.5	71
165	Inhaled ethyl nitrite prevents hyperoxia-impaired postnatal alveolar development in newborn rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 176, 291-9	10.2	59
164	Efficacy of ethyl nitrite in reversing surgical vasospasm. <i>Journal of Reconstructive Microsurgery</i> , <b>2007</b> , 23, 257-62	2.5	5
163	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
162	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
161	Bioactivation of nitroglycerin by the mitochondrial aldehyde dehydrogenase. <i>Trends in Cardiovascular Medicine</i> , <b>2006</b> , 16, 259-65	6.9	91
160	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
159	S-nitrosoglutathione inhibits alpha1-adrenergic receptor-mediated vasoconstriction and ligand binding in pulmonary artery. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2006</b> , 290, L136-43	5.8	41
158	The pharmacology of aminoadamantane nitrates. <i>Current Alzheimer Research</i> , <b>2006</b> , 3, 201-4	3	25
157	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
156	S-nitrosylating agents: a novel class of compounds that increase cystic fibrosis transmembrane conductance regulator expression and maturation in epithelial cells. <i>Molecular Pharmacology</i> , <b>2006</b> , 70, 1435-42	4.3	63
155	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
154	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
153	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
152	A novel inhaled organic nitrate that affects pulmonary vascular tone in a piglet model of hypoxia-induced pulmonary hypertension. <i>Pediatric Research</i> , <b>2005</b> , 58, 531-6	3.2	13



151	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
150	A method to attenuate pneumoperitoneum-induced reductions in splanchnic blood flow. <i>Annals of Surgery</i> , <b>2005</b> , 241, 256-61	7.8	26
149	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
148	Protein S-nitrosylation: purview and parameters. <i>Nature Reviews Molecular Cell Biology</i> , <b>2005</b> , 6, 150-66	48.7	1672
147	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
146	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
145	Avicinylation (thioesterification): a protein modification that can regulate the response to oxidative and nitrosative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 10088-93	11.5	42
144	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
143	Protection from experimental asthma by an endogenous bronchodilator. <i>Science</i> , <b>2005</b> , 308, 1618-21	33.3	237
142	Oxygen regulation of tumor perfusion by S-nitrosohemoglobin reveals a pressor activity of nitric oxide. <i>Circulation Research</i> , <b>2005</b> , 96, 1119-26	15.7	38
141	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
140	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
139	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
138	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
137	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
136	Role of mitochondrial aldehyde dehydrogenase in nitroglycerin-induced vasodilation of coronary and systemic vessels: an intact canine model. <i>Circulation</i> , <b>2004</b> , 110, 750-5	16.7	47
135	Blood traffic control. <i>Nature</i> , <b>2004</b> , 430, 297	50.4	39
134	Inhibition of iNOS with 1400W improves contractile function and alters nos gene and protein expression in reperfused skeletal muscle. <i>Microsurgery</i> , <b>2004</b> , 24, 324-31	2.1	22

133	Essential roles of S-nitrosothiols in vascular homeostasis and endotoxic shock. <i>Cell</i> , <b>2004</b> , 116, 617-28	56.2	448
132	Maternal insufflation during the second trimester equivalent produces hypercapnia, acidosis, and prolonged hypoxia in fetal sheep. <i>Anesthesiology</i> , <b>2004</b> , 101, 1332-8	4.3	21
131	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
130	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
129	Red Blood Cell S-Nitrosohemoglobin Deficiency in Pulmonary Arterial Hypertension.. <i>Blood</i> , <b>2004</b> , 104, 1583-1583	2.2	
128	Hypoxic Vasodilation by Red Blood Cells and Impairment in Vascular Disorders.. <i>Blood</i> , <b>2004</b> , 104, 1585-1585		1
127	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
126	Hemoglobin and nitric oxide. <i>New England Journal of Medicine</i> , <b>2003</b> , 349, 402-5; author reply 402-5	59.2	30
125	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
124	Reperfusion injury is reduced in skeletal muscle by inhibition of inducible nitric oxide synthase. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 1473-8	3.7	37
123	S-nitrosohemoglobin is distinguished from other nitrosovasodilators by unique oxygen-dependent responses that support an allosteric mechanism of action. <i>Blood</i> , <b>2003</b> , 102, 410-1; author reply 412-3	2.2	11
122	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
121	Enzymes that counteract nitrosative stress promote fungal virulence. <i>Current Biology</i> , <b>2003</b> , 13, 1963-8	6.3	149
120	Reply to "NO adducts in mammalian red blood cells: too much or too little?". <i>Nature Medicine</i> , <b>2003</b> , 9, 482-483	50.5	17
119	Nitroxyl disulfides, novel intermediates in transnitrosation reactions. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 6972-6	16.4	63
118	Translation of academic discovery into societal benefit: proposal for a balanced approach--part 1. <i>American Journal of Medicine</i> , <b>2003</b> , 115, 596-9	2.4	8
117	Translation of academic discovery into societal benefit: proposal for a balanced approach--part 2. <i>American Journal of Medicine</i> , <b>2003</b> , 115, 683-8	2.4	2
116	S-nitrosylation in health and disease. <i>Trends in Molecular Medicine</i> , <b>2003</b> , 9, 160-8	11.5	451

115	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
114	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
113	Screening for nitric oxide-dependent protein-protein interactions. <i>Science</i> , <b>2003</b> , 301, 657-61	33.3	131
112	Role of nitric oxide in vasodilation in upstream muscle during intermittent pneumatic compression. <i>Journal of Applied Physiology</i> , <b>2002</b> , 92, 559-66	3.7	42
111	Pulmonary vasoconstriction by serotonin is inhibited by S-nitrosoglutathione. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2002</b> , 282, L1057-65	5.8	24
110	The decomposition of thionitrites. <i>Current Opinion in Chemical Biology</i> , <b>2002</b> , 6, 779-85	9.7	107
109	Nitric oxide in RBCs. <i>Transfusion</i> , <b>2002</b> , 42, 1603-9	2.9	54
108	Nitric oxide in the human respiratory cycle. <i>Nature Medicine</i> , <b>2002</b> , 8, 711-7	50.5	391
107	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
106	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
105	Biochemistry of Nitric Oxide <b>2002</b> , 37-55		3
104	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
103	OxyR: a molecular code for redox-related signaling. <i>Cell</i> , <b>2002</b> , 109, 383-96	56.2	414
102	Inhaled ethyl nitrite gas for persistent pulmonary hypertension of the newborn. <i>Lancet, The</i> , <b>2002</b> , 360, 141-3	40	107
101	Inhaled ethyl nitrite gas for persistent pulmonary hypertension in infants. <i>Lancet, The</i> , <b>2002</b> , 360, 2077	40	1
100	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
99	Export by red blood cells of nitric oxide bioactivity. <i>Nature</i> , <b>2001</b> , 409, 622-6	50.4	480
98	A metabolic enzyme for S-nitrosothiol conserved from bacteria to humans. <i>Nature</i> , <b>2001</b> , 410, 490-4	50.4	757

97	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
96	Inhibition of NF-kappa B by S-nitrosylation. <i>Biochemistry</i> , <b>2001</b> , 40, 1688-93	3.2	328
95	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
94	Nitrosylation. the prototypic redox-based signaling mechanism. <i>Cell</i> , <b>2001</b> , 106, 675-83	56.2	1153
93	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
92	Gene and protein expressions of nitric oxide synthases in ischemia-reperfused peripheral nerve of the rat. <i>American Journal of Physiology - Cell Physiology</i> , <b>2001</b> , 281, C849-56	5.4	35
91	Physiology of nitric oxide in skeletal muscle. <i>Physiological Reviews</i> , <b>2001</b> , 81, 209-237	47.9	771
90	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
89	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
88	NO waiting to exhale in asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2000</b> , 161, 685-7	10.2	26
87	Nitrosation and oxidation in the regulation of gene expression. <i>FASEB Journal</i> , <b>2000</b> , 14, 1889-900	0.9	373
86	The skeletal muscle calcium release channel: coupled O2 sensor and NO signaling functions. <i>Cell</i> , <b>2000</b> , 102, 499-509	56.2	370
85	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
84	An apoptotic model for nitrosative stress. <i>Biochemistry</i> , <b>2000</b> , 39, 1040-7	3.2	164
83	The Respiratory Cycle <b>2000</b> , 243-249		
82	Exhaled nitric oxide (NO), NO synthase activity, and regulation of nuclear factor (NF)-kappaB. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>1999</b> , 21, 296-7	5.7	29
81	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
80	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

79	Ascaris haemoglobin is a nitric oxide-activated hemoxygenase. <i>Nature</i> , <b>1999</b> , 401, 497-502	50.4	184
78	NO: an inhibitor of cell death. <i>Cell Death and Differentiation</i> , <b>1999</b> , 6, 937-42	12.7	166
77	Regulation of ryanodine receptors by reactive nitrogen species. <i>Biochemical Pharmacology</i> , <b>1999</b> , 57, 1079-84	6	85
76	Dual actions of S-nitrosylated derivative of vasoactive intestinal peptide as a vasoactive intestinal peptide-like mediator and a nitric oxide carrier. <i>European Journal of Pharmacology</i> , <b>1999</b> , 366, 79-86	5.3	15
75	Fas-induced caspase denitrosylation. <i>Science</i> , <b>1999</b> , 284, 651-4	33.3	676
74	Nitrosative stress. <i>Methods in Enzymology</i> , <b>1999</b> , 300, 389-95	1.7	55
73	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
72	Concerted nitric oxide/oxygen delivery by hemoglobin. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 99-114	1.7	64
71	Nitric oxide in the cardiovascular system. <i>Coronary Artery Disease</i> , <b>1999</b> , 10, 273-276	1.4	10
70	Nitric oxide modulates HIV-1 replication. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1999</b> , 22, 1-9		34
69	Reactions between nitric oxide and haemoglobin under physiological conditions. <i>Nature</i> , <b>1998</b> , 391, 169-73	33.4	516
68	Oxidative modifications in nitrosative stress. <i>Nature Structural Biology</i> , <b>1998</b> , 5, 247-9		212
67	Nitric oxide modulates excitation-contraction coupling in the diaphragm. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>1998</b> , 119, 211-8	2.6	59
66	Cyclic GMP is a second messenger by which nitric oxide inhibits diaphragm contraction. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>1998</b> , 119, 177-83	2.6	24
65	Bronchodilator S-nitrosothiol deficiency in asthmatic respiratory failure. <i>Lancet, The</i> , <b>1998</b> , 351, 1317-9	40	192
64	Umbilical arterial S-nitrosothiols in stressed newborns: role in perinatal circulatory transition. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 253, 899-901	3.4	22
63	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
62	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

61	Cell-free and erythrocytic S-nitrosohemoglobin inhibits human platelet aggregation. <i>Circulation</i> , <b>1998</b> , 97, 263-7	16.7	92
60	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
59	Effects of S-nitroso-N-acetylcysteine on contractile function of reperfused skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1998</b> , 274, R822-9	3.2	12
58	Nitric oxide inhibits Fas-induced apoptosis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 24125-8	5.4	248
57	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
56	Blood flow regulation by S-nitrosohemoglobin in the physiological oxygen gradient. <i>Science</i> , <b>1997</b> , 276, 2034-7	33.3	932
55	Diethyl dithiocarbamate-induced decomposition of S-nitrosothiols. <i>Nitric Oxide - Biology and Chemistry</i> , <b>1997</b> , 1, 56-64	5	30
54	(S)NO signals: translocation, regulation, and a consensus motif. <i>Neuron</i> , <b>1997</b> , 18, 691-6	13.9	623
53	N-acetylcysteine does not influence the activity of endothelium-derived relaxing factor in vivo. <i>Hypertension</i> , <b>1997</b> , 29, 668-72	8.5	20
52	Biological Chemistry of Thiols and the Role of Homocysteine in Vascular-Related Disease. <i>Developments in Cardiovascular Medicine</i> , <b>1997</b> , 211-222		
51	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
50	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
49	Redox state, NMDA receptors and NO-related species. <i>Trends in Pharmacological Sciences</i> , <b>1996</b> , 17, 186-7;discussion 187-9	13.2	51
48	Nitrosative stress: activation of the transcription factor OxyR. <i>Cell</i> , <b>1996</b> , 86, 719-29	56.2	320
47	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
46	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
45	Redox Congeners of Nitric Oxide, N-Methyl-d-Aspartate Receptors, and Intracellular Calcium Ion. <i>Methods in Neurosciences</i> , <b>1996</b> , 31, 309-318		
44	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

43	S-nitrosohaemoglobin: a dynamic activity of blood involved in vascular control. <i>Nature</i> , <b>1996</b> , 380, 221-6	50.4	1408
42	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
41	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
40	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
39	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
38	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
37	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
36	Effect of nitric oxide synthase inhibition on bleeding time in humans. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 26, 339-42	3.1	63
35	Role of nitric oxide in human esophageal circular smooth muscle in vitro. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1995</b> , 110, 157-64	1.5	16
34	S-Nitrosothiols: Correlation of Biological Chemistry with Physiological Actions <b>1995</b> , 67-78		4
33	Neuroprotective and neurodestructive effects of nitric oxide and redox congeners. <i>Annals of the New York Academy of Sciences</i> , <b>1994</b> , 738, 382-7	6.5	44
32	Cardiovascular effects of inhaled nitric oxide in patients with left ventricular dysfunction. <i>Circulation</i> , <b>1994</b> , 90, 2780-5	16.7	193
31	Nitric oxide in the central nervous system. <i>Progress in Brain Research</i> , <b>1994</b> , 103, 359-64	2.9	68
30	Nitric oxide regulates basal systemic and pulmonary vascular resistance in healthy humans. <i>Circulation</i> , <b>1994</b> , 89, 2035-40	16.7	429
29	Nitric oxide in skeletal muscle. <i>Nature</i> , <b>1994</b> , 372, 546-8	50.4	818
28	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
27	Redox signaling: nitrosylation and related target interactions of nitric oxide. <i>Cell</i> , <b>1994</b> , 78, 931-6	56.2	1601
26	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

25	Mechanism of covalent modification of glyceraldehyde-3-phosphate dehydrogenase at its active site thiol by nitric oxide, peroxyxynitrite and related nitrosating agents. <i>FEBS Letters</i> , <b>1994</b> , 348, 223-7	3.8	180
24	Antiplatelet effects of a novel antianginal agent, nicorandil. <i>Journal of Cardiovascular Pharmacology</i> , <b>1994</b> , 23, 24-30	3.1	11
23	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
22	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
21	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
20	Peroxyxynitrite-induced rat colitis--a new model of colonic inflammation. <i>Gastroenterology</i> , <b>1993</b> , 105, 1681-8	3.3	245
19	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
18	Sodium nitroprusside, an endothelium-derived relaxing factor congener, increases platelet cyclic GMP levels and inhibits epinephrine-exacerbated in vivo platelet thrombus formation in stenosed canine coronary arteries. <i>Journal of Cardiovascular Pharmacology</i> , <b>1993</b> , 22, 626-31	3.1	23
17	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
16	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
15	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
14	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
13	Endothelium-derived relaxing factor modulates the atherothrombogenic effects of homocysteine. <i>Journal of Cardiovascular Pharmacology</i> , <b>1992</b> , 20 Suppl 12, S202-4	3.1	36
12	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
11	Biochemistry of nitric oxide and its redox-activated forms. <i>Science</i> , <b>1992</b> , 258, 1898-902	33.3	2407
10	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
9	Treatment of complete heart block with inhaled beta-agonists. <i>American Heart Journal</i> , <b>1992</b> , 124, 1093-9	5.9	
8	The effect of stress and fatigue on cardiac rhythm in medical interns. <i>Journal of Electrocardiology</i> , <b>1992</b> , 25, 333-8	1.4	30



7	The antithrombotic effects of organic nitrates. <i>Trends in Cardiovascular Medicine</i> , <b>1991</b> , 1, 346-53	6.9	12
6	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
5	N-acetylcysteine potentiates platelet inhibition by endothelium-derived relaxing factor. <i>Circulation Research</i> , <b>1989</b> , 65, 789-95	15.7	222
4	Celiac axis compression syndrome caused by sarcoidosis: an acquired form of the syndrome. <i>American Journal of Medicine</i> , <b>1989</b> , 86, 225-7	2.4	5
3	Frequency of hypercholesterolemia after cardiac transplantation. <i>American Journal of Cardiology</i> , <b>1988</b> , 62, 1268-72	3	82
2	Reduced thiols and the effect of intravenous nitroglycerin on platelet aggregation. <i>American Journal of Cardiology</i> , <b>1988</b> , 62, 377-80	3	59
1	Functions of Blood Group Antigens 276-286		1