

# Rakesh P Patel

## List of Publications by Year in descending order

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Version: 2024-02-01

240  
papers

17,934  
citations

17776

65  
h-index

16791

127  
g-index

258  
all docs

258  
docs citations

258  
times ranked

17372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Exosome Hemoglobin Released During Surgery Is Associated With Cardiac Injury in Animal Model. <i>Annals of Thoracic Surgery</i> , 2023, 116, 834-843.	0.7	5
2	Red blood cell exosome hemoglobin content increases after cardiopulmonary bypass and mediates acute kidney injury in an animal model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, e289-e308.	0.4	12
3	Tri-iodide and vanadium chloride based chemiluminescent methods for quantification of nitrogen oxides. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 121, 11-19.	1.2	7
4	Peroxiredoxin recycling is slower in denser and pediatric sickle cell red cells. <i>FASEB Journal</i> , 2022, 36, e22267.	0.2	1
5	Bronchopulmonary dysplasia is associated with reduced oral nitrate reductase activity in extremely preterm infants. <i>Redox Biology</i> , 2021, 38, 101782.	3.9	5
6	Resveratrol and exercise combined to treat functional limitations in late life: A pilot randomized controlled trial. <i>Experimental Gerontology</i> , 2021, 143, 111111.	1.2	24
7	Xanthine Oxidase Drives Hemolysis and Vascular Malfunction in Sickle Cell Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 769-782.	1.1	13
8	Potential role for age as a modulator of oral nitrate reductase activity. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 108, 1-7.	1.2	5
9	A mechanism for matrikine regulation in acute inflammatory lung injury. <i>JCI Insight</i> , 2021, 6, .	2.3	5
10	Spatial mapping of SARS-CoV-2 and H1N1 lung injury identifies differential transcriptional signatures. <i>Cell Reports Medicine</i> , 2021, 2, 100242.	3.3	38
11	Endogenous generation of nitro-fatty acid hybrids having dual nitrate ester (RONO <sub>2</sub> ) and nitroalkene (RNO <sub>2</sub> ) substituents. <i>Redox Biology</i> , 2021, 41, 101913.	3.9	8
12	Safety and toxicology assessment of sodium nitrite administered by intramuscular injection. <i>Toxicology and Applied Pharmacology</i> , 2021, 429, 115702.	1.3	1
13	Human and rodent red blood cells do not demonstrate xanthine oxidase activity or XO-catalyzed nitrite reduction to NO. <i>Free Radical Biology and Medicine</i> , 2021, 174, 84-88.	1.3	7
14	Supplemental nitrite increases choroidal neovascularization in mice. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 117, 7-15.	1.2	0
15	Over-the-counter mouthwash use, nitric oxide and hypertension risk. <i>Blood Pressure</i> , 2020, 29, 103-112.	0.7	24
16	Airway nitrite is increased in extremely preterm infants with bronchopulmonary dysplasia. <i>Respiratory Research</i> , 2020, 21, 244.	1.4	0
17	Damage to red blood cells during whole blood storage. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 89, 344-350.	1.1	5
18	Assessment of ICAM-1 N-glycoforms in mouse and human models of endothelial dysfunction. <i>PLoS ONE</i> , 2020, 15, e0230358.	1.1	15

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19	Hydrogen peroxide regulates endothelial surface N-glycoforms to control inflammatory monocyte rolling and adhesion. <i>Redox Biology</i> , 2020, 34, 101498.	3.9	12
20	Selective Recruitment of Monocyte Subsets by Endothelial N-Glycans. <i>American Journal of Pathology</i> , 2020, 190, 947-957.	1.9	18
21	Local Peroxynitrite Impairs Endothelial Transient Receptor Potential Vanilloid 4 Channels and Elevates Blood Pressure in Obesity. <i>Circulation</i> , 2020, 141, 1318-1333.	1.6	71
22	Neonatal comorbidities and gasotransmitters. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 97, 27-32.	1.2	1
23	Acute beetroot juice supplementation improves exercise tolerance and cycling efficiency in adults with obesity. <i>Physiological Reports</i> , 2020, 8, e14574.	0.7	6
24	Assessment of ICAM-1 N-glycoforms in mouse and human models of endothelial dysfunction. , 2020, 15, e0230358.		0
25	Assessment of ICAM-1 N-glycoforms in mouse and human models of endothelial dysfunction. , 2020, 15, e0230358.		0
26	Assessment of ICAM-1 N-glycoforms in mouse and human models of endothelial dysfunction. , 2020, 15, e0230358.		0
27	Assessment of ICAM-1 N-glycoforms in mouse and human models of endothelial dysfunction. , 2020, 15, e0230358.		0
28	Nitrite and nitrate chemical biology and signalling. <i>British Journal of Pharmacology</i> , 2019, 176, 228-245.	2.7	94
29	High-mannose intercellular adhesion molecule-1 enhances CD16 <sup>+</sup> monocyte adhesion to the endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H1028-H1038.	1.5	17
30	A murine neonatal model of necrotizing enterocolitis caused by anemia and red blood cell transfusions. <i>Nature Communications</i> , 2019, 10, 3494.	5.8	74
31	Erythrocyte and plasma oxidative stress appears to be compensated in patients with sickle cell disease during a period of relative health, despite the presence of known oxidative agents. <i>Free Radical Biology and Medicine</i> , 2019, 141, 408-415.	1.3	14
32	Response by Lundberg et al to Letter Regarding Article, "Hemoglobin Î²93 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell". <i>Circulation</i> , 2019, 140, e760-e761.	1.6	0
33	SOD2 acetylation and deacetylation: Another tale of Jekyll and Hyde in cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23376-23378.	3.3	13
34	Plasma xanthine oxidase activity is related to increased sodium and left ventricular hypertrophy in resistant hypertension. <i>Free Radical Biology and Medicine</i> , 2019, 134, 343-349.	1.3	14
35	Characterizing red blood cell age exposure in massive transfusion therapy: the scalar age of blood index (SBI). <i>Transfusion</i> , 2019, 59, 2699-2708.	0.8	8
36	Phosgene inhalation causes hemolysis and acute lung injury. <i>Toxicology Letters</i> , 2019, 312, 204-213.	0.4	27

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37	Hemoglobin Î²93 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell. <i>Circulation</i> , 2019, 139, 2654-2663.	1.6	42
38	Older Blood Is Associated With Increased Mortality and Adverse Events in Massively Transfused Trauma Patients: Secondary Analysis of the PROPPR Trial. <i>Annals of Emergency Medicine</i> , 2019, 73, 650-661.	0.3	38
39	The role of redox-dependent mechanisms in heme release from hemoglobin and erythrocyte hemolysates. <i>Archives of Biochemistry and Biophysics</i> , 2019, 662, 111-120.	1.4	11
40	Bromofatty aldehyde derived from bromine exposure and myeloperoxidase and eosinophil peroxidase modify GSH and protein. <i>Journal of Lipid Research</i> , 2018, 59, 696-705.	2.0	27
41	Potential biomarkers of tissue hypoxia during acute hemodilutional anemia in cardiac surgery: A prospective study to assess tissue hypoxia as a mechanism of organ injury. <i>Canadian Journal of Anaesthesia</i> , 2018, 65, 901-913.	0.7	31
42	Things We â€œkNOwâ€•and Do Not â€œkNOwâ€•about Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 151-152.	2.5	1
43	Non-invasive analysis of stored red blood cells using diffuse resonance Raman spectroscopy. <i>Analyst</i> , 2018, 143, 5950-5958.	1.7	18
44	Role of Common Î³-Chain Cytokines in Lung Interleukin-22 Regulation after Acute Exposure to <i>Aspergillus fumigatus</i> . <i>Infection and Immunity</i> , 2018, 86, .	1.0	12
45	Characterization of Storage-Induced Red Blood Cell Hemolysis Using Raman Spectroscopy. <i>Laboratory Medicine</i> , 2018, 49, 298-310.	0.8	34
46	Role of heme in lung bacterial infection after trauma hemorrhage and stored red blood cell transfusion: A preclinical experimental study. <i>PLoS Medicine</i> , 2018, 15, e1002522.	3.9	51
47	Bromine Exposure In Pregnant Mice May Reduce VEGF Signaling Via Increased Circulating VEGF Decoy Receptor sFltâ€1. <i>FASEB Journal</i> , 2018, 32, 729.2.	0.2	0
48	Nitrite therapy prevents chlorine gas toxicity in rabbits. <i>Toxicology Letters</i> , 2017, 271, 20-25.	0.4	26
49	Validation of two point-of-care tests against standard lab measures of NO in saliva and in serum. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 64, 16-21.	1.2	7
50	Measuring nitrate reductase activity from human and rodent tongues. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 66, 62-70.	1.2	19
51	Mechanisms and Treatment of Halogen Inhalationâ€•Induced Pulmonary and Systemic Injuries in Pregnant Mice. <i>Hypertension</i> , 2017, 70, 390-400.	1.3	23
52	Over-the-counter mouthwash use and risk of pre-diabetes/diabetes. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 71, 14-20.	1.2	66
53	The Matrikine Acetylated Proline-Glycine-Proline Couples Vascular Inflammation and Acute Cardiac Rejection. <i>Scientific Reports</i> , 2017, 7, 7563.	1.6	10
54	S-Nitrosothiols and Nitric Oxide Biology. , 2017, , 45-56.		4

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55	There is blood in the water: hemolysis, hemoglobin, and heme in acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L714-L718.	1.3	24
56	The role of red blood cell S-nitrosation in nitrite bioactivation and its modulation by leucine and glucose. <i>Redox Biology</i> , 2016, 8, 415-421.	3.9	23
57	Formation of chlorinated lipids post-chlorine gas exposure. <i>Journal of Lipid Research</i> , 2016, 57, 1529-1540.	2.0	49
58	Absorbance and redox based approaches for measuring free heme and free hemoglobin in biological matrices. <i>Redox Biology</i> , 2016, 9, 167-177.	3.9	55
59	Red blood cell transfusion and its effect on microvascular dysfunction in shock states. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2016, 30, 491-498.	1.7	8
60	Yes to "NO" host flora symbiosis. <i>Biochemist</i> , 2016, 38, 18-21.	0.2	1
61	Predicting storage-dependent damage to red blood cells using nitrite oxidation kinetics, peroxiredoxin-2 oxidation, and hemoglobin and free heme measurements. <i>Transfusion</i> , 2015, 55, 2967-2978.	0.8	17
62	Inhaled nitric oxide therapy for extrapulmonary inflammation. <i>Future Science OA</i> , 2015, 1, .	0.9	1
63	A Nitric Oxide-Releasing Self-Assembled Peptide Amphiphile Nanomatrix for Improving the Biocompatibility of Microporous Hollow Fibers. <i>ASAIO Journal</i> , 2015, 61, 589-595.	0.9	10
64	Working with nitric oxide and hydrogen sulfide in biological systems. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L403-L415.	1.3	69
65	Red blood cell washing, nitrite therapy, and antiheme therapies prevent stored red blood cell toxicity after trauma hemorrhage. <i>Free Radical Biology and Medicine</i> , 2015, 85, 207-218.	1.3	42
66	The matrikine N <sup>1</sup> -PGP couples extracellular matrix fragmentation to endothelial permeability. <i>Science Advances</i> , 2015, 1, .	4.7	39
67	Peroxiredoxin-2 Recycling Is Inhibited During Erythrocyte Storage. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 294-307.	2.5	52
68	A Randomized Clinical Trial Testing the Anti-Inflammatory Effects of Preemptive Inhaled Nitric Oxide in Human Liver Transplantation. <i>PLoS ONE</i> , 2014, 9, e86053.	1.1	36
69	A Novel Model of Chronic Wounds: Importance of Redox Imbalance and Biofilm-Forming Bacteria for Establishment of Chronicity. <i>PLoS ONE</i> , 2014, 9, e109848.	1.1	76
70	Redox therapeutics in hepatic ischemia reperfusion injury. <i>World Journal of Hepatology</i> , 2014, 6, 1.	0.8	19
71	Nitrite therapy improves survival postexposure to chlorine gas. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L888-L894.	1.3	19
72	The Transcription Factor E26 Transformation-Specific Sequence-1 Mediates Neointima Formation in Arteriovenous Fistula. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 475-487.	3.0	11

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73	Membrane attack complex generation increases as a function of time in stored blood. <i>Transfusion Medicine</i> , 2014, 24, 114-116.	0.5	11
74	Mechanism of faster NO scavenging by older stored red blood cells. <i>Redox Biology</i> , 2014, 2, 211-219.	3.9	44
75	Chlorine gas exposure disrupts nitric oxide homeostasis in the pulmonary vasculature. <i>Toxicology</i> , 2014, 321, 96-102.	2.0	18
76	Increased sensitivity of Apolipoprotein E knockout mice to swainsonine dependent immunomodulation. <i>Immunobiology</i> , 2014, 219, 497-502.	0.8	2
77	Assessment of endothelial glycocalyx disruption in term parturients receiving a fluid bolus before spinal anesthesia: a prospective observational study. <i>International Journal of Obstetric Anesthesia</i> , 2014, 23, 330-334.	0.2	33
78	The level of complement activation fragments is higher in red blood cell units than segments. <i>Transfusion and Apheresis Science</i> , 2013, 49, 692-693.	0.5	3
79	Is methemoglobin an inert bystander, biomarker or a mediator of oxidative stress? The example of anemia?. <i>Redox Biology</i> , 2013, 1, 65-69.	3.9	32
80	Antioxidant functions for the hemoglobin Î²93 cysteine residue in erythrocytes and in the vascular compartment in vivo. <i>Free Radical Biology and Medicine</i> , 2013, 55, 119-129.	1.3	46
81	Effects of Erythrocyte Aging on Nitric Oxide and Nitrite Metabolism. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1198-1208.	2.5	23
82	Identification of a high-mannose ICAM-1 glycoform: effects of ICAM-1 hypoglycosylation on monocyte adhesion and outside in signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C228-C237.	2.1	48
83	Targeting endothelial adhesion molecule mRNA to control inflammation: novel insights into potential anti-inflammatory effects of IL-19. Focus on "Interleukin-19 decreases leukocyte-endothelial cell interactions by reduction in endothelial cell adhesion molecule mRNA stability". <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C253-C254.	2.1	1
84	The deleterious effect of red blood cell storage on microvascular response to transfusion. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 75, 807-812.	1.1	34
85	Endothelial heterogeneity and adhesion molecules N-glycosylation: Implications in leukocyte trafficking in inflammation. <i>Glycobiology</i> , 2013, 23, 622-633.	1.3	87
86	Heterogenic Endothelial Responses to Inflammation: Role for Differential N-Glycosylation and Vascular Bed of Origin. <i>Journal of the American Heart Association</i> , 2013, 2, e000263.	1.6	58
87	Role of the b93cys, ATP and adenosine in red cell dependent hypoxic vasorelaxation. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2013, 5, 21-31.	0.8	12
88	Role of Endothelial N-Glycan Mannose Residues in Monocyte Recruitment During Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, e51-9.	1.1	58
89	Inhalation of Nitric Oxide Prevents Ischemic Brain Damage in Experimental Stroke by Selective Dilatation of Collateral Arterioles. <i>Circulation Research</i> , 2012, 110, 727-738.	2.0	163
90	Microvascular Response to Red Blood Cell Transfusion in Trauma Patients. <i>Shock</i> , 2012, 37, 276-281.	1.0	38

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91	Metabolic and cardiac signaling effects of inhaled hydrogen sulfide and low oxygen in male rats. <i>Journal of Applied Physiology</i> , 2012, 112, 1659-1669.	1.2	12
92	Administration of nitrite after chlorine gas exposure prevents lung injury: Effect of administration modality. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1431-1439.	1.3	30
93	Overexpression of Endothelial Nitric Oxide Synthase Prevents Diet-Induced Obesity and Regulates Adipocyte Phenotype. <i>Circulation Research</i> , 2012, 111, 1176-1189.	2.0	134
94	Single-Dose Pharmacokinetics of Different Oral Sodium Nitrite Formulations in Diabetes Patients. <i>Diabetes Technology and Therapeutics</i> , 2012, 14, 552-560.	2.4	41
95	Sodium nitrite protects against kidney injury induced by brain death and improves post-transplant function. <i>Kidney International</i> , 2012, 82, 304-313.	2.6	26
96	Erythrocyte storage increases rates of NO and nitrite scavenging: implications for transfusion-related toxicity. <i>Biochemical Journal</i> , 2012, 446, 499-508.	1.7	59
97	The Hepatoprotective Effect of Sodium Nitrite on Cold Ischemia-Reperfusion Injury. <i>Journal of Transplantation</i> , 2012, 2012, 1-10.	0.3	26
98	Encapsulation of hemoglobin inside liposomes surface conjugated with poly(ethylene glycol) attenuates their reactions with gaseous ligands and regulates nitric oxide dependent vasodilation. <i>Biotechnology Progress</i> , 2012, 28, 636-645.	1.3	21
99	Nitric oxide formation versus scavenging: the red blood cell balancing act. <i>Journal of Physiology</i> , 2012, 590, 4993-5000.	1.3	44
100	ABO Blood Group Is Associated with Response to Inhaled Nitric Oxide in Neonates with Respiratory Failure. <i>PLoS ONE</i> , 2012, 7, e45164.	1.1	6
101	Acyloxy Nitroso Compounds as Nitroxyl (HNO) Donors: Kinetics, Reactions with Thiols, and Vasodilation Properties. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1059-1070.	2.9	44
102	Effects of T- and R-state stabilization on deoxyhemoglobin-nitrite reactions and stimulation of nitric oxide signaling. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 59-69.	1.2	29
103	Losing control over adenosine 5'-triphosphate release: Implications for the red blood cell storage lesion*. <i>Critical Care Medicine</i> , 2011, 39, 2573-2574.	0.4	2
104	Red blood cell age and potentiation of transfusion-related pathology in trauma patients. <i>Transfusion</i> , 2011, 51, 867-873.	0.8	44
105	Dipyridamole reverses peripheral ischemia and induces angiogenesis in the Db/Db diabetic mouse hind-limb model by decreasing oxidative stress. <i>Free Radical Biology and Medicine</i> , 2011, 50, 262-269.	1.3	27
106	Elevated levels of NO are localized to distal airways in asthma. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1679-1688.	1.3	20
107	Current perspectives and challenges in understanding the role of nitrite as an integral player in nitric oxide biology and therapy. <i>Free Radical Biology and Medicine</i> , 2011, 51, 805-812.	1.3	50
108	Endothelial Surface N-Glycans Mediate Monocyte Adhesion and Are Targets for Anti-inflammatory Effects of Peroxisome Proliferator-activated Receptor $\beta$ Ligands. <i>Journal of Biological Chemistry</i> , 2011, 286, 38738-38747.	1.6	75

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109	The potential role of the red blood cell in nitrite-dependent regulation of blood flow. <i>Cardiovascular Research</i> , 2011, 89, 507-515.	1.8	60
110	The detection of the nitrite reductase and NO-generating properties of haemoglobin by mitochondrial inhibition. <i>Cardiovascular Research</i> , 2011, 89, 566-573.	1.8	37
111	Mitigation of chlorine gas lung injury in rats by postexposure administration of sodium nitrite. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L362-L369.	1.3	46
112	Chlorine Gas Exposure Causes Systemic Endothelial Dysfunction by Inhibiting Endothelial Nitric Oxide Synthase-Dependent Signaling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 419-425.	1.4	46
113	Dietary flavonoid quercetin stimulates vasorelaxation in aortic vessels. <i>Free Radical Biology and Medicine</i> , 2010, 49, 339-347.	1.3	97
114	ICAM-1 cytoplasmic tail regulates endothelial glutathione synthesis through a NOX4/PI3-kinase-dependent pathway. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1119-1128.	1.3	19
115	The Effects of Red Blood Cell Storage Time on Nitric Oxide and Nitrite-dependent Signaling. <i>Free Radical Biology and Medicine</i> , 2010, 49, S30.	1.3	0
116	The apolipoprotein A-I mimetic peptide 4F prevents defects in vascular function in endotoxemic rats. <i>Journal of Lipid Research</i> , 2010, 51, 2695-2705.	2.0	50
117	Isoflavones and PPAR Signaling: A Critical Target in Cardiovascular, Metastatic, and Metabolic Disease. <i>PPAR Research</i> , 2010, 2010, 1-10.	1.1	32
118	Dipyridamole enhances ischaemia-induced arteriogenesis through an endocrine nitrite/nitric oxide-dependent pathway. <i>Cardiovascular Research</i> , 2010, 85, 661-670.	1.8	49
119	Erythrocyte-dependent regulation of human skeletal muscle blood flow: role of varied oxyhemoglobin and exercise on nitrite, S-nitrosohemoglobin, and ATP. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1936-H1946.	1.5	39
120	Potential for Chlorine Gas-induced Injury in the Extrapulmonary Vasculature. <i>Proceedings of the American Thoracic Society</i> , 2010, 7, 290-293.	3.5	25
121	S-Nitrosothiol biology and therapeutic potential in metabolic disease. <i>Current Opinion in Investigational Drugs</i> , 2010, 11, 1127-34.	2.3	7
122	A mitochondria-targeted S-nitrosothiol modulates respiration, nitrosates thiols, and protects against ischemia-reperfusion injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10764-10769.	3.3	205
123	Low Intensity Shear Stress Increases Endothelial ELR+ CXC Chemokine Production via a Focal Adhesion Kinase-p38 <sup>β</sup> MAPK-NF- $\kappa$ B Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 5945-5955.	1.6	47
124	Regulation of nitrite transport in red blood cells by hemoglobin oxygen fractional saturation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1398-H1407.	1.5	54
125	Reply to 'Nitrite-methemoglobin inadequate for hypoxic vasodilation'. <i>Nature Chemical Biology</i> , 2009, 5, 367-367.	3.9	5
126	Sodium nitrite therapy attenuates the hypertensive effects of HBOC-201 via nitrite reduction. <i>Biochemical Journal</i> , 2009, 422, 423-432.	1.7	28

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127	Developmental changes in circulating IL-8/CXCL8 isoforms in neonates. <i>Cytokine</i> , 2009, 46, 12-16.	1.4	24
128	Reply to "SNO-hemoglobin and hypoxic vasodilation". <i>Nature Medicine</i> , 2008, 14, 1009-1010.	15.2	15
129	SNO-hemoglobin is not essential for red blood cell-dependent hypoxic vasodilation. <i>Nature Medicine</i> , 2008, 14, 773-777.	15.2	145
130	Novel Method for Measuring S-Nitrosothiols Using Hydrogen Sulfide. <i>Methods in Enzymology</i> , 2008, 441, 161-172.	0.4	26
131	Modulatory effects of hypercapnia on in vitro and in vivo pulmonary endothelial neutrophil adhesive responses during inflammation. <i>Cytokine</i> , 2008, 44, 108-117.	1.4	23
132	Preserving vessel function during ischemic disease: new possibilities of inorganic nitrite therapy. <i>Expert Review of Cardiovascular Therapy</i> , 2008, 6, 1175-1179.	0.6	12
133	Chronic sodium nitrite therapy augments ischemia-induced angiogenesis and arteriogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7540-7545.	3.3	178
134	The Role of Red Blood Cells and Hemoglobin Nitric Oxide Interactions on Blood Flow. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 125-126.	1.4	7
135	The Reaction between Nitrite and Hemoglobin: The Role of Nitrite in Hemoglobin-mediated Hypoxic Vasodilation. , 2008, , 269-289.		1
136	Sildenafil Promotes Ischemia-Induced Angiogenesis Through a PKG-Dependent Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1947-1954.	1.1	79
137	Modulation of pulmonary endothelial endothelin B receptor expression and signaling: implications for experimental hepatopulmonary syndrome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1467-L1472.	1.3	51
138	Hydrogen sulfide mediates the vasoactivity of garlic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17977-17982.	3.3	724
139	Hemoglobin oxygen fractional saturation regulates nitrite-dependent vasodilation of aortic ring bioassays. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2565-H2572.	1.5	71
140	<i>Mycobacterium tuberculosis</i> DosS is a redox sensor and DosT is a hypoxia sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11568-11573.	3.3	306
141	ICAM-1 Cross-Linking Stimulates Endothelial Glutathione Synthesis. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 159-164.	2.5	7
142	Pentoxifylline attenuation of experimental hepatopulmonary syndrome. <i>Journal of Applied Physiology</i> , 2007, 102, 949-955.	1.2	65
143	The hemoglobin-nitric oxide axis: implications for transfusion therapeutics. <i>Transfusion Alternatives in Transfusion Medicine</i> , 2007, 9, 273-280.	0.2	4
144	Hydrogen sulfide mediates vasoactivity in an O <sub>2</sub> -dependent manner. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1953-H1960.	1.5	153

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145	Anti-Inflammatory Effects of Isoflavones are Dependent on Flow and Human Endothelial Cell PPAR $\beta$ . Journal of Nutrition, 2007, 137, 351-356.	1.3	61
146	Effects of venous needle turbulence during ex vivo hemodialysis on endothelial morphology and nitric oxide formation. Journal of Biomechanics, 2007, 40, 2158-2166.	0.9	36
147	Catalytic generation of N2O3 by the concerted nitrite reductase and anhydrase activity of hemoglobin. Nature Chemical Biology, 2007, 3, 785-794.	3.9	206
148	Regulation of endothelial glutathione by ICAM-1 governs VEGF-A-mediated eNOS activity and angiogenesis. Free Radical Biology and Medicine, 2007, 42, 720-729.	1.3	50
149	Inhaled NO accelerates restoration of liver function in adults following orthotopic liver transplantation. Journal of Clinical Investigation, 2007, 117, 2583-2591.	3.9	202
150	Hydrolysis of Acyloxy Nitroso Compounds Yields Nitroxyl (HNO). Journal of the American Chemical Society, 2006, 128, 9687-9692.	6.6	105
151	Nitrated Fatty Acids: Endogenous Anti-inflammatory Signaling Mediators*. Journal of Biological Chemistry, 2006, 281, 35686-35698.	1.6	318
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