

# Martin Feelisch

## List of Publications by Citations

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242  
papers

18,595  
citations

74  
h-index

131  
g-index

270  
ext. papers

20,316  
ext. citations

6.8  
avg, IF

6.43  
L-index

#	Paper	IF	Citations
242	Correlation between nitric oxide formation during degradation of organic nitrates and activation of guanylate cyclase. <i>European Journal of Pharmacology</i> , <b>1987</b> , 139, 19-30	5.3	759
241	Persistent inhibition of cell respiration by nitric oxide: crucial role of S-nitrosylation of mitochondrial complex I and protective action of glutathione. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 7631-6	11.5	710
240	Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 35, 790-6	7.8	468
239	Plasma nitrite rather than nitrate reflects regional endothelial nitric oxide synthase activity but lacks intrinsic vasodilator action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 12814-9	11.5	458
238	Nitrite is a signaling molecule and regulator of gene expression in mammalian tissues. <i>Nature Chemical Biology</i> , <b>2005</b> , 1, 290-7	11.7	406
237	The Biochemical Pathways of Nitric Oxide Formation from Nitrovasodilators. <i>Journal of Cardiovascular Pharmacology</i> , <b>1991</b> , 17, S25-S33	3.1	384
236	Cellular targets and mechanisms of nitros(yl)ation: an insight into their nature and kinetics in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 4308-13	11.5	354
235	Concomitant S-, N-, and heme-nitros(yl)ation in biological tissues and fluids: implications for the fate of NO in vivo. <i>FASEB Journal</i> , <b>2002</b> , 16, 1775-85	0.9	333
234	Nitrite as regulator of hypoxic signaling in mammalian physiology. <i>Medicinal Research Reviews</i> , <b>2009</b> , 29, 683-741	14.4	332
233	Paradoxical fate and biological action of peroxynitrite on human platelets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 6702-6	11.5	325
232	No .NO from NO synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 14492-7	11.5	322
231	Quantitative and kinetic characterization of nitric oxide and EDRF released from cultured endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1988</b> , 154, 236-44	3.4	310
230	Plasma nitrite concentrations reflect the degree of endothelial dysfunction in humans. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 295-302	7.8	292
229	Mechanisms of the antioxidant effects of nitric oxide. <i>Antioxidants and Redox Signaling</i> , <b>2001</b> , 3, 203-13	8.4	269
228	The use of nitric oxide donors in pharmacological studies. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1998</b> , 358, 113-22	3.4	263
227	Modulation of nitrosative stress by S-nitrosoglutathione reductase is critical for thermotolerance and plant growth in Arabidopsis. <i>Plant Cell</i> , <b>2008</b> , 20, 786-802	11.6	263
226	Nitroxyl anion exerts redox-sensitive positive cardiac inotropy in vivo by calcitonin gene-related peptide signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 10463-8	11.5	263

225	Higher blood flow and circulating NO products offset high-altitude hypoxia among Tibetans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 17593-8	11.5	255
224	A biochemical rationale for the discrete behavior of nitroxyl and nitric oxide in the cardiovascular system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 9196-201	11.5	243
223	CysteinyI-tRNA synthetase governs cysteine polysulfidation and mitochondrial bioenergetics. <i>Nature Communications</i> , <b>2017</b> , 8, 1177	17.4	238
222	Understanding the controversy over the identity of EDRF. <i>Nature</i> , <b>1994</b> , 368, 62-5	50.4	224
221	Identification of N-iminoethyl-L-ornithine as an irreversible inhibitor of nitric oxide synthase in phagocytic cells. <i>British Journal of Pharmacology</i> , <b>1991</b> , 102, 234-8	8.6	209
220	Key bioactive reaction products of the NO/H <sub>2</sub> S interaction are S/N-hybrid species, polysulfides, and nitroxyl. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4651-60	11.5	204
219	The chemistry of nitrosative stress induced by nitric oxide and reactive nitrogen oxide species. Putting perspective on stressful biological situations. <i>Biological Chemistry</i> , <b>2004</b> , 385, 1-10	4.5	204
218	The cytotoxicity of nitroxyl: possible implications for the pathophysiological role of NO. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 351, 66-74	4.1	189
217	Nitric oxide is consumed, rather than conserved, by reaction with oxyhemoglobin under physiological conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 10341-6	11.5	180
216	Tissue processing of nitrite in hypoxia: an intricate interplay of nitric oxide-generating and -scavenging systems. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 33927-34	5.4	177
215	Chemical nature of nitric oxide storage forms in rat vascular tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 336-41	11.5	170
214	Concomitant presence of N-nitroso and S-nitroso proteins in human plasma. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1590-6	7.8	169
213	Nitroxyl affords thiol-sensitive myocardial protective effects akin to early preconditioning. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 34, 33-43	7.8	169
212	Cardioprotective effects of thioredoxin in myocardial ischemia and reperfusion: role of S-nitrosation [corrected]. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 11471-6	11.5	166
211	Evidence for in vivo transport of bioactive nitric oxide in human plasma. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 109, 1241-1248	15.9	166
210	The Reactive Species Interactome: Evolutionary Emergence, Biological Significance, and Opportunities for Redox Metabolomics and Personalized Medicine. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 27, 684-712	8.4	160
209	Oxidation and nitrosation of thiols at low micromolar exposure to nitric oxide. Evidence for a free radical mechanism. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 15720-6	5.4	158
208	UVA irradiation of human skin vasodilates arterial vasculature and lowers blood pressure independently of nitric oxide synthase. <i>Journal of Investigative Dermatology</i> , <b>2014</b> , 134, 1839-1846	4.3	155

207	Opposite effects of nitric oxide and nitroxyl on postischemic myocardial injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 14617-22	11.5	155
206	Plasma nitrosothiols contribute to the systemic vasodilator effects of intravenously applied NO: experimental and clinical Study on the fate of NO in human blood. <i>Circulation Research</i> , <b>2002</b> , 91, 470-7	15.7	153
205	Nitric oxide (NO) formation from nitrovasodilators occurs independently of hemoglobin or non-heme iron. <i>European Journal of Pharmacology</i> , <b>1987</b> , 142, 465-9	5.3	147
204	The soluble guanylyl cyclase inhibitor 1H-[1,2,4]oxadiazolo[4,3,-a] quinoxalin-1-one is a nonselective heme protein inhibitor of nitric oxide synthase and other cytochrome P-450 enzymes involved in nitric oxide donor bioactivation. <i>Molecular Pharmacology</i> , <b>1999</b> , 56, 243-53	4.3	143
203	Cardioprotective effects of vegetables: is nitrate the answer?. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2006</b> , 15, 359-62	5	142
202	A chemiluminescence-based assay for S-nitrosoalbumin and other plasma S-nitrosothiols. <i>Free Radical Research</i> , <b>2000</b> , 32, 1-9	4	140
201	Biotransformation of organic nitrates to nitric oxide by vascular smooth muscle and endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 180, 286-93	3.4	140
200	Thiol-mediated generation of nitric oxide accounts for the vasodilator action of furoxans. <i>Biochemical Pharmacology</i> , <b>1992</b> , 44, 1149-57	6	137
199	Therapeutic uses of inorganic nitrite and nitrate: from the past to the future. <i>Circulation</i> , <b>2008</b> , 117, 2151-67	10.7	136
198	NO adducts in mammalian red blood cells: too much or too little?. <i>Nature Medicine</i> , <b>2003</b> , 9, 481-2; author reply 482-3	50.5	134
197	Circulating NO pool: assessment of nitrite and nitroso species in blood and tissues. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 36, 413-22	7.8	132
196	Dynamic state of S-nitrosothiols in human plasma and whole blood. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 409-17	7.8	131
195	The nitric oxide/superoxide assay. Insights into the biological chemistry of the NO/O <sub>2</sub> interaction. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 9922-32	5.4	129
194	Human red blood cells at work: identification and visualization of erythrocytic eNOS activity in health and disease. <i>Blood</i> , <b>2012</b> , 120, 4229-37	2.2	115
193	Bioassay discrimination between nitric oxide (NO <sub>•</sub> ) and nitroxyl (NO <sup>-</sup> ) using L-cysteine. <i>Biochemical and Biophysical Research Communications</i> , <b>1994</b> , 201, 54-62	3.4	112
192	Comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS. <i>Journal of Inorganic Biochemistry</i> , <b>2003</b> , 93, 52-60	4.2	109
191	Metabolic basis to Sherpa altitude adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 6382-6387	11.5	107
190	Intravenous sodium nitrite in acute ST-elevation myocardial infarction: a randomized controlled trial (NIAMI). <i>European Heart Journal</i> , <b>2014</b> , 35, 1255-62	9.5	107

189	Nitrosopersulfide (SSNO(-)) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. <i>Redox Biology</i> , <b>2014</b> , 2, 234-44	11.3	107
188	Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic Pseudomonas aeruginosa Infection in Cystic Fibrosis. <i>Molecular Therapy</i> , <b>2017</b> , 25, 2104-2116	11.7	106
187	Plasma nitroso compounds are decreased in patients with endothelial dysfunction. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 573-9	15.1	106
186	Unique oxidative mechanisms for the reactive nitrogen oxide species, nitroxyl anion. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 1720-7	5.4	106
185	Biological hydropersulfides and related polysulfides - a new concept and perspective in redox biology. <i>FEBS Letters</i> , <b>2018</b> , 592, 2140-2152	3.8	99
184	Biochemical characterization of S-nitrosohemoglobin. Mechanisms underlying synthesis, no release, and biological activity. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 28983-90	5.4	98
183	Inorganic nitrate promotes the browning of white adipose tissue through the nitrate-nitrite-nitric oxide pathway. <i>Diabetes</i> , <b>2015</b> , 64, 471-484	0.9	92
182	Metabolism of hydrogen sulfide (HS) and Production of Reactive Sulfur Species (RSS) by superoxide dismutase. <i>Redox Biology</i> , <b>2018</b> , 15, 74-85	11.3	91
181	Blueberries improve biomarkers of cardiometabolic function in participants with metabolic syndrome-results from a 6-month, double-blind, randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 1535-1545	7	87
180	The role of nitrogen oxides in human adaptation to hypoxia. <i>Scientific Reports</i> , <b>2011</b> , 1, 109	4.9	87
179	The early role of nitric oxide in evolution. <i>Trends in Ecology and Evolution</i> , <b>1995</b> , 10, 496-9	10.9	86
178	Brief periods of nitric oxide inhalation protect against myocardial ischemia-reperfusion injury. <i>Anesthesiology</i> , <b>2008</b> , 109, 675-82	4.3	84
177	Ultraviolet radiation suppresses obesity and symptoms of metabolic syndrome independently of vitamin D in mice fed a high-fat diet. <i>Diabetes</i> , <b>2014</b> , 63, 3759-69	0.9	81
176	On the chemical biology of the nitrite/sulfide interaction. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2015</b> , 46, 14-24	5	79
175	Cardiomyocyte-specific overexpression of NO synthase-3 protects against myocardial ischemia-reperfusion injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1517-23	9.4	78
174	Is sunlight good for our heart?. <i>European Heart Journal</i> , <b>2010</b> , 31, 1041-5	9.5	77
173	Orthogonal properties of the redox siblings nitroxyl and nitric oxide in the cardiovascular system: a novel redox paradigm. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 285, H2264-76	5.2	75
172	The key role of nitric oxide in hypoxia: hypoxic vasodilation and energy supply-demand matching. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1690-710	8.4	74

171	Release of endothelium derived nitric oxide in relation to pressure and flow. <i>Cardiovascular Research</i> , <b>1991</b> , 25, 831-6	9.9	74
170	Differential nitros(yl)ation of blood and tissue constituents during glyceryl trinitrate biotransformation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 16958-63	11.5	73
169	Mechanisms of cell death governed by the balance between nitrosative and oxidative stress. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 899, 209-21	6.5	71
168	Measurement of nitric oxide levels in the red cell: validation of tri-iodide-based chemiluminescence with acid-sulfanilamide pretreatment. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 26994-7002	5.4	70
167	Nitroxyl gets to the heart of the matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 4978-80	11.5	70
166	Genetic overexpression of eNOS attenuates hepatic ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H2980-6	5.2	67
165	Speciation of reactive sulfur species and their reactions with alkylating agents: do we have any clue about what is present inside the cell?. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 646-670	8.6	63
164	Guide for the use of nitric oxide (NO) donors as probes of the chemistry of NO and related redox species in biological systems. <i>Methods in Enzymology</i> , <b>2002</b> , 359, 84-105	1.7	63
163	Evidence for in vivo transport of bioactive nitric oxide in human plasma. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 109, 1241-8	15.9	63
162	Oxidative Stress and Redox-Modulating Therapeutics in Inflammatory Bowel Disease. <i>Trends in Molecular Medicine</i> , <b>2020</b> , 26, 1034-1046	11.5	62
161	Hydrogen sulfide attenuates calcification of vascular smooth muscle cells via KEAP1/NRF2/NQO1 activation. <i>Atherosclerosis</i> , <b>2017</b> , 265, 78-86	3.1	58
160	On the Effects of Reactive Oxygen Species and Nitric Oxide on Red Blood Cell Deformability. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 332	4.6	54
159	Performance of diamino fluorophores for the localization of sources and targets of nitric oxide. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 356-68	7.8	54
158	Inorganic sulfur-nitrogen compounds: from gunpowder chemistry to the forefront of biological signaling. <i>Dalton Transactions</i> , <b>2016</b> , 45, 5908-19	4.3	53
157	Nitric oxide modulates endotoxin-induced platelet-endothelial cell adhesion in intestinal venules. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H1111-7	5.2	53
156	The reaction products of sulfide and S-nitrosoglutathione are potent vasorelaxants. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2015</b> , 46, 123-30	5	52
155	The role of vascular myoglobin in nitrite-mediated blood vessel relaxation. <i>Cardiovascular Research</i> , <b>2011</b> , 89, 560-5	9.9	52
154	Mechanistic insights into nitrite-induced cardioprotection using an integrated metabolomic/proteomic approach. <i>Circulation Research</i> , <b>2009</b> , 104, 796-804	15.7	51

153	Thiols enhance NO formation from nitrate photolysis. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 35, 1551-9.8	9.8	51
152	Identification of a soluble guanylate cyclase in RBCs: preserved activity in patients with coronary artery disease. <i>Redox Biology</i> , <b>2018</b> , 14, 328-337	11.3	50
151	Autologous transfusion of stored red blood cells increases pulmonary artery pressure. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 800-7	10.2	48
150	Serum free thiols in chronic heart failure. <i>Pharmacological Research</i> , <b>2016</b> , 111, 452-458	10.2	44
149	The Redox architecture of physiological function. <i>Current Opinion in Physiology</i> , <b>2019</b> , 9, 34-47	2.6	43
148	Dietary nitrate increases arginine availability and protects mitochondrial complex I and energetics in the hypoxic rat heart. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4715-31	3.9	42
147	Electron-paramagnetic resonance spectroscopy using N-methyl-D-glucamine dithiocarbamate iron cannot discriminate between nitric oxide and nitroxyl: implications for the detection of reaction products for nitric oxide synthase. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 739-42	7.8	42
146	Effect of nitric oxide donors on neointima formation and vascular reactivity in the collared carotid artery of rabbits. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 26, 272-9	3.1	40
145	Nitric oxide modulates sympathetic neurotransmission at the prejunctional level. <i>Microscopy Research and Technique</i> , <b>1994</b> , 29, 161-8	2.8	40
144	Role of nitric oxide in the regulation of coronary vascular tone in hearts from hypertensive rats. Maintenance of nitric oxide-forming capacity and increased basal production of nitric oxide. <i>Hypertension</i> , <b>1995</b> , 25, 186-93	8.5	40
143	A robust and versatile mass spectrometry platform for comprehensive assessment of the thiol redox metabolome. <i>Redox Biology</i> , <b>2018</b> , 16, 359-380	11.3	39
142	A multilevel analytical approach for detection and visualization of intracellular NO production and nitrosation events using diaminofluoresceins. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 2146-58	7.8	39
141	Application of an optimized total N-nitrosamine (TONO) assay to pools: placing N-nitrosodimethylamine (NDMA) determinations into perspective. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3369-75	10.3	39
140	Contributions of nitric oxide synthases, dietary nitrite/nitrate, and other sources to the formation of NO signaling products. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 17, 422-32	8.4	38
139	Effects of prolonged exposure to hypobaric hypoxia on oxidative stress, inflammation and gluco-insular regulation: the not-so-sweet price for good regulation. <i>PLoS ONE</i> , <b>2014</b> , 9, e94915	3.7	37
138	Impaired effectiveness of nitric oxide-donors in resistance arteries of patients with arterial hypertension. <i>Journal of Hypertension</i> , <b>1996</b> , 14, 903-8	1.9	37
137	Autoinhibition of neuronal nitric oxide synthase: distinct effects of reactive nitrogen and oxygen species on enzyme activity. <i>Biochemical Journal</i> , <b>1999</b> , 340, 745-752	3.8	36
136	Short-term intravenous sodium nitrite infusion improves cardiac and pulmonary hemodynamics in heart failure patients. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 565-71	7.6	34

135	Integrating nitric oxide, nitrite and hydrogen sulfide signaling in the physiological adaptations to hypoxia: A comparative approach. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2012</b> , 162, 1-6	2.6	34
134	Metabolic adjustment to high-altitude hypoxia: from genetic signals to physiological implications. <i>Biochemical Society Transactions</i> , <b>2018</b> , 46, 599-607	5.1	33
133	Measurement of in vivo nitric oxide synthesis in humans using stable isotopic methods: a systematic review. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 795-804	7.8	33
132	Glutathione peroxidase deficiency exacerbates ischemia-reperfusion injury in male but not female myocardium: insights into antioxidant compensatory mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H2144-53	5.2	33
131	Bound NO in human red blood cells: fact or artifact?. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2004</b> , 10, 221-85		33
130	Nitroxyl oxidizes NADPH in a superoxide dismutase inhibitable manner. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 803-8	7.8	33
129	Transfusion of stored autologous blood does not alter reactive hyperemia index in healthy volunteers. <i>Anesthesiology</i> , <b>2012</b> , 117, 56-63	4.3	32
128	Inorganic Nitrate Mimics Exercise-Stimulated Muscular Fiber-Type Switching and Myokine and $\beta$ Aminobutyric Acid Release. <i>Diabetes</i> , <b>2017</b> , 66, 674-688	0.9	31
127	Nitrate enhances skeletal muscle fatty acid oxidation via a nitric oxide-cGMP-PPAR-mediated mechanism. <i>BMC Biology</i> , <b>2015</b> , 13, 110	7.3	30
126	Human endothelial cells bioactivate organic nitrates to nitric oxide: implications for the reinforcement of endothelial defence mechanisms. <i>European Journal of Clinical Investigation</i> , <b>1995</b> , 25, 737-45	4.6	30
125	The Chemical Biology of Nitric Oxide <b>2000</b> , 41-55		29
124	Ammonium tetrathiomolybdate following ischemia/reperfusion injury: Chemistry, pharmacology, and impact of a new class of sulfide donor in preclinical injury models. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002310	11.6	28
123	Acute Dietary Nitrate Supplementation and Exercise Performance in COPD: A Double-Blind, Placebo-Controlled, Randomised Controlled Pilot Study. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144504	3.7	28
122	On the dynamics of nitrite, nitrate and other biomarkers of nitric oxide production in inflammatory bowel disease. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2010</b> , 22, 155-67	5	28
121	Serum free sulfhydryl status is associated with patient and graft survival in renal transplant recipients. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 99, 345-351	7.8	28
120	Sublingual microcirculatory blood flow and vessel density in Sherpas at high altitude. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 1011-1018	3.7	27
119	An integrated approach to assessing nitroso-redox balance in systemic inflammation. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 1137-45	7.8	27
118	Beetroot juice versus chard gel: A pharmacokinetic and pharmacodynamic comparison of nitrate bioavailability. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2017</b> , 64, 61-67	5	26



117	Redox generation of nitric oxide to radiosensitize hypoxic cells. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1998</b> , 42, 795-8	4	26
116	Nitrosative stress in an animal model of necrotizing enterocolitis. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 39, 1428-37	7.8	26
115	Suppression of TAK1 pathway by shear stress counteracts the inflammatory endothelial cell phenotype induced by oxidative stress and TGF- $\beta$ . <i>Scientific Reports</i> , <b>2017</b> , 7, 42487	4.9	25
114	The activation of metabolites of nitric oxide synthase by metals is both redox and oxygen dependent: a new feature of nitrogen oxide signaling. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1363-71	8.4	25
113	The role of nitric oxide in the regulation of coronary vascular resistance in arterial hypertension: comparison of normotensive and spontaneously hypertensive rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>1992</b> , 20 Suppl 12, S183-6	3.1	25
112	Insufficient Sun Exposure Has Become a Real Public Health Problem. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	25
111	Inhaled Nitric Oxide as an Adjunctive Treatment for Cerebral Malaria in Children: A Phase II Randomized Open-Label Clinical Trial. <i>Open Forum Infectious Diseases</i> , <b>2015</b> , 2, ofv111	1	24
110	Plasma ADMA associates with all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , <b>2015</b> , 47, 1941-9	3.5	24
109	Does hypoxia play a role in the development of sarcopenia in humans? Mechanistic insights from the Caudwell Xtreme Everest Expedition. <i>Redox Biology</i> , <b>2017</b> , 13, 60-68	11.3	24
108	Balancing role of nitric oxide in complement-mediated activation of platelets from mCd59a and mCd59b double-knockout mice. <i>American Journal of Hematology</i> , <b>2009</b> , 84, 221-7	7.1	23
107	The Role of Oxidative Stress in the Development of Systemic Sclerosis Related Vasculopathy. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1177	4.6	23
106	Changes in acute pulmonary vascular responsiveness to hypoxia during a progressive ascent to high altitude (5300m). <i>Experimental Physiology</i> , <b>2017</b> , 102, 711-724	2.4	22
105	Direct biochemical evidence for eNOS stimulation by bradykinin in the human forearm vasculature. <i>Basic Research in Cardiology</i> , <b>2003</b> , 98, 84-9	11.8	22
104	Mechanisms of histamine-induced coronary vasodilatation: H1-receptor-mediated release of endothelium-derived nitric oxide. <i>Journal of Vascular Research</i> , <b>1993</b> , 30, 132-8	1.9	22
103	Vitamin D and allergic airway disease shape the murine lung microbiome in a sex-specific manner. <i>Respiratory Research</i> , <b>2016</b> , 17, 116	7.3	22
102	Investigations on the role of hemoglobin in sulfide metabolism by intact human red blood cells. <i>Biochemical Pharmacology</i> , <b>2018</b> , 149, 163-173	6	21
101	Impact of chronic congestive heart failure on pharmacokinetics and vasomotor effects of infused nitrite. <i>British Journal of Pharmacology</i> , <b>2013</b> , 169, 659-70	8.6	21
100	Low Concentrations of Nitric Oxide Modulate Streptococcus pneumoniae Biofilm Metabolism and Antibiotic Tolerance. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 2456-66	5.9	20

99	Short-term hypoxic vasodilation in vivo is mediated by bioactive nitric oxide metabolites, rather than free nitric oxide derived from haemoglobin-mediated nitrite reduction. <i>Journal of Physiology</i> , <b>2014</b> , 592, 1061-75	3.9	20
98	Cephalosporin nitric oxide-donor prodrug DEA-C3D disperses biofilms formed by clinical cystic fibrosis isolates of <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 117-125	5.1	20
97	Nrf2 Deficiency Unmasks the Significance of Nitric Oxide Synthase Activity for Cardioprotection. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 8309698	6.7	20
96	Low plasma homoarginine concentration is associated with high rates of all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , <b>2017</b> , 49, 1193-1202	3.5	19
95	Does Incident Solar Ultraviolet Radiation Lower Blood Pressure?. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e013837	6	19
94	Nitrosopersulfide (SSNO) targets the Keap-1/Nrf2 redox system. <i>Pharmacological Research</i> , <b>2016</b> , 113, 490-499	10.2	19
93	The chemical biology of nitric oxide--an outsider's reflections about its role in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , <b>2008</b> , 16 Suppl 2, S3-S13	6.2	19
92	N-Nitroso products from the reaction of indoles with Angeli's salt. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 58-67	4	19
91	Long-lasting blood pressure lowering effects of nitrite are NO-independent and mediated by hydrogen peroxide, persulfides, and oxidation of protein kinase G1's redox signalling. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 51-62	9.9	19
90	DL-propargylglycine reduces blood pressure and renal injury but increases kidney weight in angiotensin-II infused rats. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2015</b> , 49, 56-66	5	17
89	A Role for Sigma Factor (E) in <i>Corynebacterium pseudotuberculosis</i> Resistance to Nitric Oxide/Peroxide Stress. <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 126	5.7	17
88	Ultraviolet radiation, vitamin D and the development of obesity, metabolic syndrome and type-2 diabetes. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 362-373	4.2	16
87	Autoinhibition of neuronal nitric oxide synthase: distinct effects of reactive nitrogen and oxygen species on enzyme activity. <i>Biochemical Journal</i> , <b>1999</b> , 340, 745	3.8	16
86	Design and conduct of Xtreme Everest 2: An observational cohort study of Sherpa and lowlander responses to graduated hypobaric hypoxia. <i>F1000Research</i> , <b>2015</b> , 4, 90	3.6	16
85	Sub-erythral ultraviolet radiation reduces metabolic dysfunction in already overweight mice. <i>Journal of Endocrinology</i> , <b>2017</b> , 233, 81-92	4.7	15
84	Cephalosporin-3- $\beta$ -Diazemiumdiolate NO Donor Prodrug PYRRO-C3D Enhances Azithromycin Susceptibility of Nontypeable <i>Haemophilus influenzae</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	14
83	Cephalosporin-NO-donor prodrug PYRRO-C3D shows $\beta$ -lactam-mediated activity against <i>Streptococcus pneumoniae</i> biofilms. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2017</b> , 65, 43-49	5	14
82	Systemic oxygen extraction during exercise at high altitude. <i>British Journal of Anaesthesia</i> , <b>2015</b> , 114, 677-82	5.4	14

81	Suppression of erythropoiesis by dietary nitrate. <i>FASEB Journal</i> , <b>2015</b> , 29, 1102-12	0.9	14
80	Pharmacological preconditioning with inhaled nitric oxide (NO): Organ-specific differences in the lifetime of blood and tissue NO metabolites. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2018</b> , 80, 52-60	5	14
79	Sodium thiosulfate improves renal function and oxygenation in L-NNA-induced hypertension in rats. <i>Kidney International</i> , <b>2020</b> , 98, 366-377	9.9	13
78	Design and conduct of Xtreme Alps Qa double-blind, randomised controlled study of the effects of dietary nitrate supplementation on acclimatisation to high altitude. <i>Contemporary Clinical Trials</i> , <b>2013</b> , 36, 450-9	2.3	13
77	Continuous exposure to high concentrations of nitric oxide leads to persistent inhibition of oxygen consumption by J774 cells as well as extraction of oxygen by the extracellular medium. <i>Biochemical Journal</i> , <b>2000</b> , 346, 407	3.8	13
76	Erythropoietin and a nonerythropoietic peptide analog promote aortic endothelial cell repair under hypoxic conditions: role of nitric oxide. <i>Hypoxia (Auckland, N Z)</i> , <b>2016</b> , 4, 121-133	2.1	13
75	Pushing arterial-venous plasma biomarkers to new heights: A model for personalised redox metabolomics?. <i>Redox Biology</i> , <b>2019</b> , 21, 101113	11.3	12
74	Early Endothelial Dysfunction in Type 1 Diabetes Is Accompanied by an Impairment of Vascular Smooth Muscle Function: A Meta-Analysis. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 203	5.7	12
73	The Role of Nitric Oxide in the Control of Coronary Vascular Tone in Relation to Partial Oxygen Pressure, Perfusion Pressure, and Flow. <i>Journal of Cardiovascular Pharmacology</i> , <b>1991</b> , 17, S95-S99	3.1	12
72	Green tea polyphenolic antioxidants oxidize hydrogen sulfide to thiosulfate and polysulfides: A possible new mechanism underpinning their biological action. <i>Redox Biology</i> , <b>2020</b> , 37, 101731	11.3	12
71	Manganese Porphyrin-Based SOD Mimetics Produce Polysulfides from Hydrogen Sulfide. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	12
70	Perioperative Oxidative Stress: The Unseen Enemy. <i>Anesthesia and Analgesia</i> , <b>2019</b> , 129, 1749-1760	3.9	12
69	A time for everything and everything in its time - exploring the mechanisms underlying seasonality of COPD exacerbations. <i>International Journal of COPD</i> , <b>2018</b> , 13, 2739-2749	3	12
68	Nitrite mediated vasorelaxation in human chorionic plate vessels is enhanced by hypoxia and dependent on the NO-sGC-cGMP pathway. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2018</b> , 80, 82-88	5	12
67	Red Blood Cell and Endothelial eNOS Independently Regulate Circulating Nitric Oxide Metabolites and Blood Pressure. <i>Circulation</i> , <b>2021</b> , 144, 870-889	16.7	12
66	Effects of dietary nitrate on respiratory physiology at high altitude - Results from the Xtreme Alps study. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2017</b> , 71, 57-68	5	11
65	Serum free thiols in type 2 diabetes mellitus: A prospective study. <i>Journal of Clinical and Translational Endocrinology</i> , <b>2019</b> , 16, 100182	2.4	11
64	Can skin exposure to sunlight prevent liver inflammation?. <i>Nutrients</i> , <b>2015</b> , 7, 3219-39	6.7	11

63	Nitrite circumvents platelet resistance to nitric oxide in patients with heart failure preserved ejection fraction and chronic atrial fibrillation. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1313-1323	9.9	11
62	Impaired sodium-dependent adaptation of arterial stiffness in formerly preeclamptic women: the RETAP-vascular study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H1827-33	5.2	11
61	Vitamin D status and ill health. <i>Lancet Diabetes and Endocrinology</i> , <b>2014</b> , 2, e8	18.1	11
60	Molecular Aspects Underlying the Vasodilator Action of Molsidomine. <i>Journal of Cardiovascular Pharmacology</i> , <b>1989</b> , 14, S1-5	3.1	11
59	Nitrite and myocardial ischaemia reperfusion injury. Where are we now?. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 223, 107819	13.9	11
58	Effects of dietary nitrate supplementation on symptoms of acute mountain sickness and basic physiological responses in a group of male adolescents during ascent to Mount Everest Base Camp. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2016</b> , 60, 24-31	5	11
57	Endogenous HS production deficiencies lead to impaired renal erythropoietin production. <i>Canadian Urological Association Journal</i> , <b>2018</b> , E210-E219	1.2	11
56	The fate of sulfate in chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H415-H421	5.2	10
55	Sulfate, nitrate and blood pressure - An EPIC interaction between sulfur and nitrogen. <i>Pharmacological Research</i> , <b>2017</b> , 122, 127-129	10.2	10
54	Inorganic Nitrate in Angina Study: A Randomized Double-Blind Placebo-Controlled Trial. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	10
53	Redox-sensitivity and site-specificity of S- and N- denitrosation in proteins. <i>PLoS ONE</i> , <b>2010</b> , 5, e14400	3.7	10
52	Hyperoxia-induced lung injury in gamma-glutamyl transferase deficiency is associated with alterations in nitrosative and nitrative stress. <i>American Journal of Pathology</i> , <b>2009</b> , 175, 2309-18	5.8	10
51	Novel organic nitrates are potent dilators of large coronary arteries with reduced development of tolerance during long-term infusion in dogs: role of the sulfhydryl moiety. <i>Journal of Cardiovascular Pharmacology</i> , <b>1994</b> , 23, 772-8	3.1	10
50	Preferential dilation of large coronary microvessels by the mononitrates SPM-4744 and SPM-5185. <i>Journal of Cardiovascular Pharmacology</i> , <b>1996</b> , 27, 587-93	3.1	10
49	Characterising nitric oxide-mediated metabolic benefits of low-dose ultraviolet radiation in the mouse: a focus on brown adipose tissue. <i>Diabetologia</i> , <b>2020</b> , 63, 179-193	10.3	10
48	COVID-19: A Redox Disease-What a Stress Pandemic Can Teach Us About Resilience and What We May Learn from the Reactive Species Interactome About Its Treatment. <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 35, 1226-1268	8.4	10
47	Role of aldehyde dehydrogenase in hypoxic vasodilator effects of nitrite in rats and humans. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 3341-52	8.6	9
46	The effects of two different doses of ultraviolet-A light exposure on nitric oxide metabolites and cardiorespiratory outcomes. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 1043-1052	3.4	9

45	Nitroso-redox status and vascular function in marginal and severe ascorbate deficiency. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 17, 937-50	8.4	9
44	Exposure of Stored Packed Erythrocytes to Nitric Oxide Prevents Transfusion-associated Pulmonary Hypertension. <i>Anesthesiology</i> , <b>2016</b> , 125, 952-963	4.3	9
43	Isotope tracing enhancement of chemiluminescence assays for nitric oxide research. <i>Biological Chemistry</i> , <b>2009</b> , 390, 181-9	4.5	8
42	The Chemical Biology of Nitric Oxide <b>2002</b> , 245-291		8
41	Effects of dietary nitrate supplementation on microvascular physiology at 4559 m altitude - A randomised controlled trial (Xtreme Alps). <i>Nitric Oxide - Biology and Chemistry</i> , <b>2020</b> , 94, 27-35	5	8
40	Human Second Window Pre-Conditioning and Post-Conditioning by Nitrite Is Influenced by a Common Polymorphism in Mitochondrial Aldehyde Dehydrogenase. <i>JACC Basic To Translational Science</i> , <b>2017</b> , 2, 13-21	8.7	7
39	Rapid free thiol rebound is a physiological response following cold-induced vasoconstriction in healthy humans, primary Raynaud and systemic sclerosis. <i>Physiological Reports</i> , <b>2019</b> , 7, e14017	2.6	7
38	Nebulised surfactant for the treatment of severe COVID-19 in adults (COV-Surf): A structured summary of a study protocol for a randomized controlled trial. <i>Trials</i> , <b>2020</b> , 21, 1014	2.8	7
37	Sodium Thiosulfate in the Pregnant Dahl Salt-Sensitive Rat, a Model of Preeclampsia. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
36	Cooperative Interactions Between NO and H <sub>2</sub> S: Chemistry, Biology, Physiology, Pathophysiology <b>2017</b> , 57-83		7
35	Getting the most from venous occlusion plethysmography: proposed methods for the analysis of data with a rest/exercise protocol. <i>Extreme Physiology and Medicine</i> , <b>2015</b> , 4, 8		7
34	Dermal nitrite application enhances global nitric oxide availability: new therapeutic potential for immunomodulation?. <i>Journal of Investigative Dermatology</i> , <b>2010</b> , 130, 608-11	4.3	7
33	Inorganic nitrate and nitrite supplementation fails to improve skeletal muscle mitochondrial efficiency in mice and humans. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 111, 79-89	7	7
32	Sulfhydryl-Containing Nitrate Esters: A New Class of Nitric Oxide Donors. <i>Cardiovascular Drug Reviews</i> , <b>1995</b> , 13, 275-288		6
31	Soil bacteria, nitrite and the skin <b>2009</b> , 103-115		6
30	Divergent trajectories of cellular bioenergetics, intermediary metabolism and systemic redox status in survivors and non-survivors of critical illness. <i>Redox Biology</i> , <b>2021</b> , 41, 101907	11.3	6
29	Nitrosopersulfide (SSNO) Is a Unique Cysteine Polysulfidating Agent with Reduction-Resistant Bioactivity. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 33, 1277-1294	8.4	6
28	Reactive Species Interactome Alterations in Oocyte Donation Pregnancies in the Absence and Presence of Pre-Eclampsia. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5

27	Urinary Excretion of Sulfur Metabolites and Risk of Cardiovascular Events and All-Cause Mortality in the General Population. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 1999-2010	8.4	5
26	Chemistry, pharmacology, and cellular uptake mechanisms of thiomethylate sulfide donors. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 745-756	8.6	5
25	Enhanced nitric oxide production is a universal response to hypoxic stress. <i>National Science Review</i> , <b>2018</b> , 5, 532-533	10.8	5
24	VEGF is indirectly associated with NO production and acutely increases in response to hyperglycaemia(1). <i>European Journal of Clinical Investigation</i> , <b>2012</b> , 42, 967-73	4.6	4
23	The Chemistry of Protein Modifications Elicited by Nitric Oxide and Related Nitrogen Oxides <b>2006</b> , 25-58		4
22	A randomized double-blind placebo-controlled crossover trial of sodium nitrate in patients with stable angina INAS. <i>Future Cardiology</i> , <b>2016</b> , 12, 617-626	1.3	4
21	Superoxide dismutase and catalase are required to detect (-)NO from both coupled and uncoupled neuronal no synthase. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 988-97	7.8	3
20	The reactive species interactome <b>2020</b> , 51-64		3
19	The oxygen cascade in patients treated with hemodialysis and native high-altitude dwellers: lessons from extreme physiology to benefit patients with end-stage renal disease. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F249-F261	4.3	3
18	Lower limb ischemic preconditioning combined with dietary nitrate supplementation does not influence time-trial performance in well-trained cyclists. <i>Journal of Science and Medicine in Sport</i> , <b>2019</b> , 22, 852-857	4.4	3
17	Effects of perioperative oxygen concentration on oxidative stress in adult surgical patients: a systematic review. <i>British Journal of Anaesthesia</i> , <b>2021</b> , 126, 622-632	5.4	3
16	Free Radicals in Inflammation <b>2017</b> , 695-726		2
15	Anti-Bacterial Mouthwash Reduces Plasma Nitrite Following Dietary Nitrate Supplementation but Does Not Alter Stress Response. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 816	1.2	2
14	How to beet hypertension in pregnancy: is there more to beetroot juice than nitrate?. <i>Journal of Physiology</i> , <b>2020</b> , 598, 3823-3824	3.9	2
13	Comment on "Evidence that the ProPerDP method is inadequate for protein persulfidation detection due to lack of specificity". <i>Science Advances</i> , <b>2021</b> , 7,	14.3	2
12	Cardiac Protection by Oral Sodium Thiosulfate in a Rat Model of L-NNA-Induced Heart Disease. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 650968	5.6	2
11	Plasma Nitrate Levels Are Related to Metabolic Syndrome and Are Not Altered by Treatment with DPP-4 Inhibitor Linagliptin: A Randomised, Placebo-Controlled Trial in Patients with Early Type 2 Diabetes Mellitus. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
10	Early Oxidative Stress Response in Patients with Severe Aortic Stenosis Undergoing Transcatheter and Surgical Aortic Valve Replacement: A Transatlantic Study. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 6217837	6.7	1

9	Transfusion of Stored Autologous Blood Alters Reactive Hyperemia and Circulating Nitrite Levels in Healthy Volunteers. <i>Blood</i> , <b>2011</b> , 118, 2327-2327	2.2	0
8	Correspondence on Seasonal variation in blood pressure: evidence, consensus and recommendations for clinical practice. Consensus statement by the ESH Working Group on Blood Pressure Monitoring and Cardiovascular Variability. <i>Journal of Hypertension</i> , <b>2020</b> , 38, 2077-2079	1.9	0
7	Reply to TA Schiffer et al. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 111, 487-488	7	
6	192 Hypoxia Enhances the Reparative Effect of Tissue Protective Erythropoietin and Its Non-Erythropoietic Peptide Analogue in an Endothelial Cell Injury Model. <i>Heart</i> , <b>2016</b> , 102, A130.2-A131 <sup>5.1</sup>		
5	Nitric Oxide Donors in Cardiovascular Disease <b>2005</b> , 283-298		
4	Metabolic dysfunction induced by a high-fat diet modulates hematopoietic stem and myeloid progenitor cells in brown adipose tissue of mice. <i>Immunology and Cell Biology</i> , <b>2021</b> , 99, 749-766	5	
3	Circulating biomarkers of nitric oxide bioactivity and impaired muscle vasoreactivity to exercise in adults with uncomplicated type 1 diabetes. <i>Diabetologia</i> , <b>2021</b> , 64, 325-338	10.3	
2	Response to Verd and Verd Re: "COVID-19: A Redox Disease-What a Stress Pandemic Can Teach Us About Resilience and What We May Learn from the Reactive Species Interactome About Its Treatment". <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 35, 1271-1272	8.4	
1	Dietary Nitrate Supplementation Does Not Alter Exercise Efficiency at High Altitude - Further Results From the Xtreme Alps Study.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 827235	4.6	