

Martin Feelisch

List of Publications by Year in Descending Order

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

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 | Dietary Nitrate Supplementation Does Not Alter Exercise Efficiency at High Altitude - Further Results From the Xtreme Alps Study.. <i>Frontiers in Physiology</i> , 2022 , 13, 827235 | 4.6 | |
| 241 | 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> , 2021 , 320, F249-F261 | 4.3 | 3 |
| 240 | Comment on "Evidence that the ProPerDP method is inadequate for protein persulfidation detection due to lack of specificity". <i>Science Advances</i> , 2021 , 7, | 14.3 | 2 |
| 239 | Cardiac Protection by Oral Sodium Thiosulfate in a Rat Model of L-NNA-Induced Heart Disease. <i>Frontiers in Pharmacology</i> , 2021 , 12, 650968 | 5.6 | 2 |
| 238 | 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> , 2021 , 99, 749-766 | 5 | |
| 237 | Divergent trajectories of cellular bioenergetics, intermediary metabolism and systemic redox status in survivors and non-survivors of critical illness. <i>Redox Biology</i> , 2021 , 41, 101907 | 11.3 | 6 |
| 236 | 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> , 2021 , 35, 1226-1268 | 8.4 | 10 |
| 235 | Nitrite and myocardial ischaemia reperfusion injury. Where are we now?. <i>Pharmacology & Therapeutics</i> , 2021 , 223, 107819 | 13.9 | 11 |
| 234 | Effects of perioperative oxygen concentration on oxidative stress in adult surgical patients: a systematic review. <i>British Journal of Anaesthesia</i> , 2021 , 126, 622-632 | 5.4 | 3 |
| 233 | Circulating biomarkers of nitric oxide bioactivity and impaired muscle vasoreactivity to exercise in adults with uncomplicated type 1 diabetes. <i>Diabetologia</i> , 2021 , 64, 325-338 | 10.3 | |
| 232 | 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> , 2021 , 35, 1271-1272 | 8.4 | |
| 231 | 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> , 2021 , 10, | 7.1 | 2 |
| 230 | Red Blood Cell and Endothelial eNOS Independently Regulate Circulating Nitric Oxide Metabolites and Blood Pressure. <i>Circulation</i> , 2021 , 144, 870-889 | 16.7 | 12 |
| 229 | 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> , 2020 , 21, 1014 | 2.8 | 7 |
| 228 | Sodium thiosulfate improves renal function and oxygenation in L-NNA-induced hypertension in rats. <i>Kidney International</i> , 2020 , 98, 366-377 | 9.9 | 13 |
| 227 | Oxidative Stress and Redox-Modulating Therapeutics in Inflammatory Bowel Disease. <i>Trends in Molecular Medicine</i> , 2020 , 26, 1034-1046 | 11.5 | 62 |
| 226 | Reply to TA Schiffer et al. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 487-488 | 7 | |

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| 225 | Sodium Thiosulfate in the Pregnant Dahl Salt-Sensitive Rat, a Model of Preeclampsia. <i>Biomolecules</i> , 2020 , 10, | 5.9 | 7 |
| 224 | Does Incident Solar Ultraviolet Radiation Lower Blood Pressure?. <i>Journal of the American Heart Association</i> , 2020 , 9, e013837 | 6 | 19 |
| 223 | 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> , 2020 , 11, 203 | 5.7 | 12 |
| 222 | Characterising nitric oxide-mediated metabolic benefits of low-dose ultraviolet radiation in the mouse: a focus on brown adipose tissue. <i>Diabetologia</i> , 2020 , 63, 179-193 | 10.3 | 10 |
| 221 | 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> , 2020 , 75, 117-125 | 5.1 | 20 |
| 220 | The reactive species interactome 2020 , 51-64 | | 3 |
| 219 | Green tea polyphenolic antioxidants oxidize hydrogen sulfide to thiosulfate and polysulfides: A possible new mechanism underpinning their biological action. <i>Redox Biology</i> , 2020 , 37, 101731 | 11.3 | 12 |
| 218 | Insufficient Sun Exposure Has Become a Real Public Health Problem. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17, | 4.6 | 25 |
| 217 | How to beet hypertension in pregnancy: is there more to beetroot juice than nitrate?. <i>Journal of Physiology</i> , 2020 , 598, 3823-3824 | 3.9 | 2 |
| 216 | 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> , 2020 , 38, 2077-2079 | 1.9 | 0 |
| 215 | Chemistry, pharmacology, and cellular uptake mechanisms of thiomethylate sulfide donors. <i>British Journal of Pharmacology</i> , 2020 , 177, 745-756 | 8.6 | 5 |
| 214 | 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> , 2020 , 94, 27-35 | 5 | 8 |
| 213 | Inorganic nitrate and nitrite supplementation fails to improve skeletal muscle mitochondrial efficiency in mice and humans. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 79-89 | 7 | 7 |
| 212 | Long-lasting blood pressure lowering effects of nitrite are NO-independent and mediated by hydrogen peroxide, persulfides, and oxidation of protein kinase G1. <i>Redox signalling. Cardiovascular Research</i> , 2020 , 116, 51-62 | 9.9 | 19 |
| 211 | Nitrosopersulfide (SSNO) Is a Unique Cysteine Polysulfidating Agent with Reduction-Resistant Bioactivity. <i>Antioxidants and Redox Signaling</i> , 2020 , 33, 1277-1294 | 8.4 | 6 |
| 210 | Pushing arterial-venous plasma biomarkers to new heights: A model for personalised redox metabolomics?. <i>Redox Biology</i> , 2019 , 21, 101113 | 11.3 | 12 |
| 209 | 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> , 2019 , 109, 1535-1545 | 7 | 87 |
| 208 | The Redox architecture of physiological function. <i>Current Opinion in Physiology</i> , 2019 , 9, 34-47 | 2.6 | 43 |

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| 207 | Rapid free thiol rebound is a physiological response following cold-induced vasoconstriction in healthy humans, primary Raynaud and systemic sclerosis. <i>Physiological Reports</i> , 2019 , 7, e14017 | 2.6 | 7 |
| 206 | Reactive Species Interactome Alterations in Oocyte Donation Pregnancies in the Absence and Presence of Pre-Eclampsia. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 5 |
| 205 | Serum free thiols in type 2 diabetes mellitus: A prospective study. <i>Journal of Clinical and Translational Endocrinology</i> , 2019 , 16, 100182 | 2.4 | 11 |
| 204 | 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> , 2019 , 176, 646-670 | 8.6 | 63 |
| 203 | Urinary Excretion of Sulfur Metabolites and Risk of Cardiovascular Events and All-Cause Mortality in the General Population. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 1999-2010 | 8.4 | 5 |
| 202 | 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> , 2019 , 22, 852-857 | 4.4 | 3 |
| 201 | Manganese Porphyrin-Based SOD Mimetics Produce Polysulfides from Hydrogen Sulfide. <i>Antioxidants</i> , 2019 , 8, | 7.1 | 12 |
| 200 | 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> , 2019 , 2019, 6217837 | 6.7 | 1 |
| 199 | Perioperative Oxidative Stress: The Unseen Enemy. <i>Anesthesia and Analgesia</i> , 2019 , 129, 1749-1760 | 3.9 | 12 |
| 198 | A robust and versatile mass spectrometry platform for comprehensive assessment of the thiol redox metabolome. <i>Redox Biology</i> , 2018 , 16, 359-380 | 11.3 | 39 |
| 197 | Metabolic adjustment to high-altitude hypoxia: from genetic signals to physiological implications. <i>Biochemical Society Transactions</i> , 2018 , 46, 599-607 | 5.1 | 33 |
| 196 | Nitrite circumvents platelet resistance to nitric oxide in patients with heart failure preserved ejection fraction and chronic atrial fibrillation. <i>Cardiovascular Research</i> , 2018 , 114, 1313-1323 | 9.9 | 11 |
| 195 | Investigations on the role of hemoglobin in sulfide metabolism by intact human red blood cells. <i>Biochemical Pharmacology</i> , 2018 , 149, 163-173 | 6 | 21 |
| 194 | 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> , 2018 , 118, 1043-1052 | 3.4 | 9 |
| 193 | Identification of a soluble guanylate cyclase in RBCs: preserved activity in patients with coronary artery disease. <i>Redox Biology</i> , 2018 , 14, 328-337 | 11.3 | 50 |
| 192 | On the Effects of Reactive Oxygen Species and Nitric Oxide on Red Blood Cell Deformability. <i>Frontiers in Physiology</i> , 2018 , 9, 332 | 4.6 | 54 |
| 191 | Biological hydropersulfides and related polysulfides - a new concept and perspective in redox biology. <i>FEBS Letters</i> , 2018 , 592, 2140-2152 | 3.8 | 99 |
| 190 | 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> , 2018 , 80, 52-60 | 5 | 14 |

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| 189 | Metabolism of hydrogen sulfide (HS) and Production of Reactive Sulfur Species (RSS) by superoxide dismutase. <i>Redox Biology</i> , 2018 , 15, 74-85 | 11.3 | 91 |
| 188 | Endogenous HS production deficiencies lead to impaired renal erythropoietin production. <i>Canadian Urological Association Journal</i> , 2018 , E210-E219 | 1.2 | 11 |
| 187 | A time for everything and everything in its time - exploring the mechanisms underlying seasonality of COPD exacerbations. <i>International Journal of COPD</i> , 2018 , 13, 2739-2749 | 3 | 12 |
| 186 | Enhanced nitric oxide production is a universal response to hypoxic stress. <i>National Science Review</i> , 2018 , 5, 532-533 | 10.8 | 5 |
| 185 | The Role of Oxidative Stress in the Development of Systemic Sclerosis Related Vasculopathy. <i>Frontiers in Physiology</i> , 2018 , 9, 1177 | 4.6 | 23 |
| 184 | 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> , 2018 , 80, 82-88 | 5 | 12 |
| 183 | Nrf2 Deficiency Unmasks the Significance of Nitric Oxide Synthase Activity for Cardioprotection. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 8309698 | 6.7 | 20 |
| 182 | Cephalosporin-3- β -Diazoniumdiolate NO Donor Prodrug PYRRO-C3D Enhances Azithromycin Susceptibility of Nontypeable Haemophilus influenzae Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61, | 5.9 | 14 |
| 181 | Suppression of TAK1 pathway by shear stress counteracts the inflammatory endothelial cell phenotype induced by oxidative stress and TGF- β . <i>Scientific Reports</i> , 2017 , 7, 42487 | 4.9 | 25 |
| 180 | The fate of sulfate in chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H415-H421 | 5.2 | 10 |
| 179 | Cephalosporin-NO-donor prodrug PYRRO-C3D shows β -lactam-mediated activity against Streptococcus pneumoniae biofilms. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 65, 43-49 | 5 | 14 |
| 178 | Changes in acute pulmonary vascular responsiveness to hypoxia during a progressive ascent to high altitude (5300m). <i>Experimental Physiology</i> , 2017 , 102, 711-724 | 2.4 | 22 |
| 177 | Sublingual microcirculatory blood flow and vessel density in Sherpas at high altitude. <i>Journal of Applied Physiology</i> , 2017 , 122, 1011-1018 | 3.7 | 27 |
| 176 | The Reactive Species Interactome: Evolutionary Emergence, Biological Significance, and Opportunities for Redox Metabolomics and Personalized Medicine. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 684-712 | 8.4 | 160 |
| 175 | Low plasma homoarginine concentration is associated with high rates of all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , 2017 , 49, 1193-1202 | 3.5 | 19 |
| 174 | Metabolic basis to Sherpa altitude adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6382-6387 | 11.5 | 107 |
| 173 | Sulfate, nitrate and blood pressure - An EPIC interaction between sulfur and nitrogen. <i>Pharmacological Research</i> , 2017 , 122, 127-129 | 10.2 | 10 |
| 172 | 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> , 2017 , 2, 13-21 | 8.7 | 7 |

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| 171 | Sub-erythral ultraviolet radiation reduces metabolic dysfunction in already overweight mice. <i>Journal of Endocrinology</i> , 2017 , 233, 81-92 | 4.7 | 15 |
| 170 | Ultraviolet radiation, vitamin D and the development of obesity, metabolic syndrome and type-2 diabetes. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 362-373 | 4.2 | 16 |
| 169 | Inorganic Nitrate Mimics Exercise-Stimulated Muscular Fiber-Type Switching and Myokine and β Aminobutyric Acid Release. <i>Diabetes</i> , 2017 , 66, 674-688 | 0.9 | 31 |
| 168 | Beetroot juice versus chard gel: A pharmacokinetic and pharmacodynamic comparison of nitrate bioavailability. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 64, 61-67 | 5 | 26 |
| 167 | Cysteinyl-tRNA synthetase governs cysteine polysulfidation and mitochondrial bioenergetics. <i>Nature Communications</i> , 2017 , 8, 1177 | 17.4 | 238 |
| 166 | Effects of dietary nitrate on respiratory physiology at high altitude - Results from the Xtreme Alps study. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 71, 57-68 | 5 | 11 |
| 165 | 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> , 2017 , 14, e1002310 | 11.6 | 28 |
| 164 | Hydrogen sulfide attenuates calcification of vascular smooth muscle cells via KEAP1/NRF2/NQO1 activation. <i>Atherosclerosis</i> , 2017 , 265, 78-86 | 3.1 | 58 |
| 163 | Inorganic Nitrate in Angina Study: A Randomized Double-Blind Placebo-Controlled Trial. <i>Journal of the American Heart Association</i> , 2017 , 6, | 6 | 10 |
| 162 | Does hypoxia play a role in the development of sarcopenia in humans? Mechanistic insights from the Caudwell Xtreme Everest Expedition. <i>Redox Biology</i> , 2017 , 13, 60-68 | 11.3 | 24 |
| 161 | Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic <i>Pseudomonas aeruginosa</i> Infection in Cystic Fibrosis. <i>Molecular Therapy</i> , 2017 , 25, 2104-2116 | 11.7 | 106 |
| 160 | Free Radicals in Inflammation 2017 , 695-726 | | 2 |
| 159 | Cooperative Interactions Between NO and H ₂ S: Chemistry, Biology, Physiology, Pathophysiology 2017 , 57-83 | | 7 |
| 158 | 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> , 2017 , 49, 816 | 1.2 | 2 |
| 157 | Nitrosopersulfide (SSNO) targets the Keap-1/Nrf2 redox system. <i>Pharmacological Research</i> , 2016 , 113, 490-499 | 10.2 | 19 |
| 156 | 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> , 2016 , 310, H1827-33 | 5.2 | 11 |
| 155 | 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> , 2016 , 102, A130.2-A131 ^{5.1} | | |
| 154 | Low Concentrations of Nitric Oxide Modulate <i>Streptococcus pneumoniae</i> Biofilm Metabolism and Antibiotic Tolerance. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 2456-66 | 5.9 | 20 |

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| 153 | Inorganic sulfur-nitrogen compounds: from gunpowder chemistry to the forefront of biological signaling. <i>Dalton Transactions</i> , 2016 , 45, 5908-19 | 4.3 | 53 |
| 152 | Erythropoietin and a nonerythropoietic peptide analog promote aortic endothelial cell repair under hypoxic conditions: role of nitric oxide. <i>Hypoxia (Auckland, N Z)</i> , 2016 , 4, 121-133 | 2.1 | 13 |
| 151 | Exposure of Stored Packed Erythrocytes to Nitric Oxide Prevents Transfusion-associated Pulmonary Hypertension. <i>Anesthesiology</i> , 2016 , 125, 952-963 | 4.3 | 9 |
| 150 | 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> , 2016 , 60, 24-31 | 5 | 11 |
| 149 | Serum free sulfhydryl status is associated with patient and graft survival in renal transplant recipients. <i>Free Radical Biology and Medicine</i> , 2016 , 99, 345-351 | 7.8 | 28 |
| 148 | Serum free thiols in chronic heart failure. <i>Pharmacological Research</i> , 2016 , 111, 452-458 | 10.2 | 44 |
| 147 | Vitamin D and allergic airway disease shape the murine lung microbiome in a sex-specific manner. <i>Respiratory Research</i> , 2016 , 17, 116 | 7.3 | 22 |
| 146 | A randomized double-blind placebo-controlled crossover trial of sodium nitrate in patients with stable angina INAS. <i>Future Cardiology</i> , 2016 , 12, 617-626 | 1.3 | 4 |
| 145 | Can skin exposure to sunlight prevent liver inflammation?. <i>Nutrients</i> , 2015 , 7, 3219-39 | 6.7 | 11 |
| 144 | DL-propargylglycine reduces blood pressure and renal injury but increases kidney weight in angiotensin-II infused rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 49, 56-66 | 5 | 17 |
| 143 | Systemic oxygen extraction during exercise at high altitude. <i>British Journal of Anaesthesia</i> , 2015 , 114, 677-82 | 5.4 | 14 |
| 142 | Role of aldehyde dehydrogenase in hypoxic vasodilator effects of nitrite in rats and humans. <i>British Journal of Pharmacology</i> , 2015 , 172, 3341-52 | 8.6 | 9 |
| 141 | Short-term intravenous sodium nitrite infusion improves cardiac and pulmonary hemodynamics in heart failure patients. <i>Circulation: Heart Failure</i> , 2015 , 8, 565-71 | 7.6 | 34 |
| 140 | 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> , 2015 , 2, ofv111 | 1 | 24 |
| 139 | Plasma ADMA associates with all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , 2015 , 47, 1941-9 | 3.5 | 24 |
| 138 | Key bioactive reaction products of the NO/H ₂ S interaction are S/N-hybrid species, polysulfides, and nitroxy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4651-60 | 11.5 | 204 |
| 137 | The reaction products of sulfide and S-nitrosoglutathione are potent vasorelaxants. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 46, 123-30 | 5 | 52 |
| 136 | On the chemical biology of the nitrite/sulfide interaction. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 46, 14-24 | 5 | 79 |

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| 135 | Suppression of erythropoiesis by dietary nitrate. <i>FASEB Journal</i> , 2015 , 29, 1102-12 | 0.9 | 14 |
| 134 | Inorganic nitrate promotes the browning of white adipose tissue through the nitrate-nitrite-nitric oxide pathway. <i>Diabetes</i> , 2015 , 64, 471-484 | 0.9 | 92 |
| 133 | Nitrate enhances skeletal muscle fatty acid oxidation via a nitric oxide-cGMP-PPAR-mediated mechanism. <i>BMC Biology</i> , 2015 , 13, 110 | 7.3 | 30 |
| 132 | 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> , 2015 , 4, 8 | | 7 |
| 131 | Acute Dietary Nitrate Supplementation and Exercise Performance in COPD: A Double-Blind, Placebo-Controlled, Randomised Controlled Pilot Study. <i>PLoS ONE</i> , 2015 , 10, e0144504 | 3.7 | 28 |
| 130 | Design and conduct of Xtreme Everest 2: An observational cohort study of Sherpa and lowlander responses to graduated hypobaric hypoxia. <i>F1000Research</i> , 2015 , 4, 90 | 3.6 | 16 |
| 129 | Intravenous sodium nitrite in acute ST-elevation myocardial infarction: a randomized controlled trial (NIAMI). <i>European Heart Journal</i> , 2014 , 35, 1255-62 | 9.5 | 107 |
| 128 | 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> , 2014 , 592, 1061-75 | 3.9 | 20 |
| 127 | Ultraviolet radiation suppresses obesity and symptoms of metabolic syndrome independently of vitamin D in mice fed a high-fat diet. <i>Diabetes</i> , 2014 , 63, 3759-69 | 0.9 | 81 |
| 126 | Dietary nitrate increases arginine availability and protects mitochondrial complex I and energetics in the hypoxic rat heart. <i>Journal of Physiology</i> , 2014 , 592, 4715-31 | 3.9 | 42 |
| 125 | UVA irradiation of human skin vasodilates arterial vasculature and lowers blood pressure independently of nitric oxide synthase. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 1839-1846 | 4.3 | 155 |
| 124 | Nitrosopersulfide (SSNO(-)) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. <i>Redox Biology</i> , 2014 , 2, 234-44 | 11.3 | 107 |
| 123 | Vitamin D status and ill health. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, e8 | 18.1 | 11 |
| 122 | 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> , 2014 , 9, e94915 | 3.7 | 37 |
| 121 | Autologous transfusion of stored red blood cells increases pulmonary artery pressure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 800-7 | 10.2 | 48 |
| 120 | The key role of nitric oxide in hypoxia: hypoxic vasodilation and energy supply-demand matching. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1690-710 | 8.4 | 74 |
| 119 | Design and conduct of Xtreme AlpsQa double-blind, randomised controlled study of the effects of dietary nitrate supplementation on acclimatisation to high altitude. <i>Contemporary Clinical Trials</i> , 2013 , 36, 450-9 | 2.3 | 13 |
| 118 | Impact of chronic congestive heart failure on pharmacokinetics and vasomotor effects of infused nitrite. <i>British Journal of Pharmacology</i> , 2013 , 169, 659-70 | 8.6 | 21 |

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| 117 | VEGF is indirectly associated with NO production and acutely increases in response to hyperglycaemia(1). <i>European Journal of Clinical Investigation</i> , 2012 , 42, 967-73 | 4.6 | 4 |
| 116 | Human red blood cells at work: identification and visualization of erythrocytic eNOS activity in health and disease. <i>Blood</i> , 2012 , 120, 4229-37 | 2.2 | 115 |
| 115 | A multilevel analytical approach for detection and visualization of intracellular NO production and nitrosation events using diaminofluoresceins. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 2146-58 | 7.8 | 39 |
| 114 | Nitroso-redox status and vascular function in marginal and severe ascorbate deficiency. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 937-50 | 8.4 | 9 |
| 113 | Contributions of nitric oxide synthases, dietary nitrite/nitrate, and other sources to the formation of NO signaling products. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 422-32 | 8.4 | 38 |
| 112 | A Role for Sigma Factor (E) in <i>Corynebacterium pseudotuberculosis</i> Resistance to Nitric Oxide/Peroxide Stress. <i>Frontiers in Microbiology</i> , 2012 , 3, 126 | 5.7 | 17 |
| 111 | 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 & Integrative Physiology</i> , 2012 , 162, 1-6 | 2.6 | 34 |
| 110 | Transfusion of stored autologous blood does not alter reactive hyperemia index in healthy volunteers. <i>Anesthesiology</i> , 2012 , 117, 56-63 | 4.3 | 32 |
| 109 | Measurement of in vivo nitric oxide synthesis in humans using stable isotopic methods: a systematic review. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 795-804 | 7.8 | 33 |
| 108 | An integrated approach to assessing nitroso-redox balance in systemic inflammation. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 1137-45 | 7.8 | 27 |
| 107 | The role of nitrogen oxides in human adaptation to hypoxia. <i>Scientific Reports</i> , 2011 , 1, 109 | 4.9 | 87 |
| 106 | The role of vascular myoglobin in nitrite-mediated blood vessel relaxation. <i>Cardiovascular Research</i> , 2011 , 89, 560-5 | 9.9 | 52 |
| 105 | Transfusion of Stored Autologous Blood Alters Reactive Hyperemia and Circulating Nitrite Levels in Healthy Volunteers. <i>Blood</i> , 2011 , 118, 2327-2327 | 2.2 | 0 |
| 104 | Redox-sensitivity and site-specificity of S- and N- denitrosation in proteins. <i>PLoS ONE</i> , 2010 , 5, e14400 | 3.7 | 10 |
| 103 | Is sunlight good for our heart?. <i>European Heart Journal</i> , 2010 , 31, 1041-5 | 9.5 | 77 |
| 102 | Dermal nitrite application enhances global nitric oxide availability: new therapeutic potential for immunomodulation?. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 608-11 | 4.3 | 7 |
| 101 | Application of an optimized total N-nitrosamine (TONO) assay to pools: placing N-nitrosodimethylamine (NDMA) determinations into perspective. <i>Environmental Science & Technology</i> , 2010 , 44, 3369-75 | 10.3 | 39 |
| 100 | On the dynamics of nitrite, nitrate and other biomarkers of nitric oxide production in inflammatory bowel disease. <i>Nitric Oxide - Biology and Chemistry</i> , 2010 , 22, 155-67 | 5 | 28 |

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