

The New Chemical Biology of Nitrite Reactions with Hemoglobin: Oxidative Denitrosylation, and Nitrite Reductase/Anhydrohemoglobin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cardiovascular Consequences When Nitric Oxide and Lipid Signaling Converge. <i>Circulation Research</i> , 2009, 105, 511-522.	2.0	40
3	Nitrite reduction: a ubiquitous function from a pre-aerobic past. <i>BioEssays</i> , 2009, 31, 885-891.	1.2	13
4	Formation of Nitric Oxide from Nitrite by the Ferriheme b Protein Nitrophorin 7. <i>Journal of the American Chemical Society</i> , 2009, 131, 12042-12043.	6.6	35
5	Sodium nitrite therapy attenuates the hypertensive effects of HBOC-201 via nitrite reduction1. <i>Biochemical Journal</i> , 2009, 422, 423-432.	1.7	28
6	Reactivity of Glass-Embedded Met Hemoglobin Derivatives toward External NO: Implications for Nitrite-Mediated Production of Bioactive NO. <i>Journal of the American Chemical Society</i> , 2009, 131, 12273-12279.	6.6	24
7	New biomaterials for the sustained release of nitric oxide: past, present and future. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 1113-1122.	2.4	56
8	Six-Coordinate Nitro Complexes of Iron(III) Porphyrins with <i>trans</i> -S-Donor Ligands. Oxo-Transfer Reactivity in the Solid State. <i>Inorganic Chemistry</i> , 2009, 48, 11236-11241.	1.9	27
9	Nitrite as undesirable substances in animal feed –Scientific Opinion of the Panel on Contaminants in the Food Chain. <i>EFSA Journal</i> , 2009, 7, 1017.	0.9	8
10	Reviving Artificial Blood: Meeting the Challenge of Dealing with NO Scavenging by Hemoglobin. <i>ChemBioChem</i> , 2010, 11, 1816-1824.	1.3	11
11	Nitrite and nitroglycerin induce rapid release of the vasodilator ATP from erythrocytes: Relevance to the chemical physiology of local vasodilation. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 289-296.	1.5	20
12	Red cell substitutes from hemoglobin –Do we start all over again?. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 538-543.	2.8	46
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14	What Part of NO Don't You Understand? Some Answers to the Cardinal Questions in Nitric Oxide Biology. <i>Journal of Biological Chemistry</i> , 2010, 285, 19699-19704.	1.6	269
15	NMR and EPR Spectroscopy of Paramagnetic Metalloporphyrins and Heme Proteins. <i>Handbook of Porphyrin Science</i> , 2010, , 1-337.	0.3	19
16	Reactions of NO and Nitrite with Heme Models and Proteins. <i>Inorganic Chemistry</i> , 2010, 49, 6226-6239.	1.9	121
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18	Formation of the Complex of Nitrite with the Ferriheme β -Barrel Proteins Nitrophorin 4 and Nitrophorin 7. <i>Biochemistry</i> , 2010, 49, 5841-5851.	1.2	42
19	Nuclear Resonance Vibrational Spectroscopy Applied to [Fe(OEP)(NO)]: The Vibrational Assignments of Five-Coordinate Ferrous Heme Nitrosyls and Implications for Electronic Structure. <i>Inorganic Chemistry</i> , 2010, 49, 4133-4148.	1.9	45

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35	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
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46	Low NO Concentration Dependence of Reductive Nitrosylation Reaction of Hemoglobin. <i>Journal of Biological Chemistry</i> , 2012, 287, 18262-18274.	1.6	38
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48	Insertion of an H-Bonding Residue into the Distal Pocket of the Ferriheme Protein Nitrophorin 4: Effect on Nitrite- π -Iron Coordination and Nitrite Disproportionation. <i>Chemistry and Biodiversity</i> , 2012, 9, 1761-1775.	1.0	11
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