

Structural Basis of Biological N₂ O General Reductase

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Catalyzing NO to N ₂ O in the Nitrogen Cycle. <i>Science</i> , 2010, 330, 1632-1633.	6.0	32
3	Spectroscopic Characterization of Mononitrosyl Complexes in Hemeâ€“Nonheme Diiron Centers within the Myoglobin Scaffold (Fe _B Mbs): Relevance to Denitrifying NO Reductase. <i>Biochemistry</i> , 2011, 50, 5939-5947.	1.2	35
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5	Quantitative Measurement of Direct Nitrous Oxide Emissions from Microalgae Cultivation. <i>Environmental Science & Technology</i> , 2011, 45, 9449-9456.	4.6	78
6	Low-Spin Heme <i>b</i> ₃ in the Catalytic Center of Nitric Oxide Reductase from <i>Pseudomonas nautica</i> . <i>Biochemistry</i> , 2011, 50, 4251-4262.	1.2	34
7	Structural and Electronic Characterization of Non-Heme Fe(II)â€“Nitrosyls as Biomimetic Models of the Fe _B Center of Bacterial Nitric Oxide Reductase. <i>Journal of the American Chemical Society</i> , 2011, 133, 16714-16717.	6.6	88
8	Crystallization chaperone strategies for membrane proteins. <i>Methods</i> , 2011, 55, 293-302.	1.9	32
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10	Merging the best of two worlds: artificial metalloenzymes for enantioselective catalysis. <i>Chemical Communications</i> , 2011, 47, 8470.	2.2	101
11	Regulation and Function of Versatile Aerobic and Anaerobic Respiratory Metabolism in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2011, 2, 103.	1.5	251
12	A Bioinformatics Classifier and Database for Heme-Copper Oxygen Reductases. <i>PLoS ONE</i> , 2011, 6, e19117.	1.1	60
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14	Entrance of the proton pathway in <i>cbb</i> ₃ -type heme-copper oxidases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17661-17666.	3.3	35
15	Biological sources and sinks of nitrous oxide and strategies to mitigate emissions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1157-1168.	1.8	399
16	Nitrous oxide production and consumption: regulation of gene expression by gas-sensitive transcription factors. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1213-1225.	1.8	128
17	Structural basis for nitrous oxide generation by bacterial nitric oxide reductases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1195-1203.	1.8	47
18	Challenges and opportunities for mitigating nitrous oxide emissions from fertilized cropping systems. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 562-570.	1.9	220
20	Development of Highly Sensitive Nanosecond Time-Resolved IR Apparatus Applicable to Protein System in H ₂ O. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S150.	0.5	0

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22	Crystal structure of the alternative oxidases: New insights into the catalytic cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S102-S103.	0.5	1
25	Nitric oxide coupling mediated by iron porphyrins: the Nâ€“N bond formation step is facilitated by electrons and a proton. <i>Chemical Communications</i> , 2012, 48, 9041.	2.2	14
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28	Functional Importance of a Pair of Conserved Glutamic Acid Residues and of Ca ²⁺ Binding in the <i>cbb</i> ₃ -Type Oxygen Reductases from <i>Rhodobacter sphaeroides</i> and <i>Vibrio cholerae</i> . <i>Biochemistry</i> , 2012, 51, 7290-7296.	1.2	8
29	Bacterial Adaptation of Respiration from Oxidic to Microoxic and Anoxic Conditions: Redox Control. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 819-852.	2.5	170
30	Structure and function of bacterial nitric oxide reductases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1907-1913.	0.5	85
31	Proton transfer in the quinol-dependent nitric oxide reductase from <i>Geobacillus stearothermophilus</i> during reduction of oxygen. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1914-1920.	0.5	11
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41	Molecular structure and function of bacterial nitric oxide reductase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 680-687.	0.5	52
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50	Nitrous oxide reductase. <i>Coordination Chemistry Reviews</i> , 2013, 257, 332-349.	9.5	151
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82	Transferable Denitrification Capability of <i>Thermus thermophilus</i> . Applied and Environmental Microbiology, 2014, 80, 19-28.	1.4	36
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122	Conversion of Nitric Oxide into Nitrous Oxide as Triggered by the Polarization of Coordinated NO by Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5190-5194.	7.2	30
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128	Mechanistic Insight into the Nitric Oxide Dioxygenation Reaction of Nonheme Iron(III)-Superoxo and Manganese(IV)-Peroxo Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12403-12407.	7.2	23
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