

Battles with Iron: Manganese in Oxidative Stress Protection

Journal of Biological Chemistry

287, 13541-13548

DOI: [10.1074/jbc.r111.312181](https://doi.org/10.1074/jbc.r111.312181)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Nramp. Current Topics in Membranes, 2012, 69, 249-293.	0.9	45
2	Elemental Economy. Advances in Microbial Physiology, 2012, 60, 91-210.	2.4	180
3	Metallation and mismetallation of iron and manganese proteins in vitro and in vivo: the class I ribonucleotide reductases as a case study. Metallomics, 2012, 4, 1020.	2.4	124
4	Metallation state of human manganese superoxide dismutase expressed in <i>Saccharomyces cerevisiae</i> . Archives of Biochemistry and Biophysics, 2012, 523, 191-197.	3.0	13
5	RNA Folding and Catalysis Mediated by Iron (II). PLoS ONE, 2012, 7, e38024.	2.5	79
6	Differential Coordination Demands in Fe versus Mn Water-Soluble Cationic Metalloporphyrins Translate into Remarkably Different Aqueous Redox Chemistry and Biology. Inorganic Chemistry, 2013, 52, 5677-5691.	4.0	60
7	Bacterial killing in macrophages and amoeba: do they all use a brass dagger?. Future Microbiology, 2013, 8, 1257-1264.	2.0	67
8	Iron speciation in the cytosol: an overview. Dalton Transactions, 2013, 42, 3220-3229.	3.3	141
9	SOD1 Integrates Signals from Oxygen and Glucose to Repress Respiration. Cell, 2013, 152, 224-235.	28.9	186
10	Dinuclear Seven-Coordinate Mn(II) Complexes: Effect of Manganese(II)-Hydroxo Species on Water Exchange and Superoxide Dismutase Activity. Inorganic Chemistry, 2013, 52, 222-236.	4.0	39
11	Manganese Complexes: Diverse Metabolic Routes to Oxidative Stress Resistance in Prokaryotes and Yeast. Antioxidants and Redox Signaling, 2013, 19, 933-944.	5.4	124
12	Superoxide Triggers an Acid Burst in <i>Saccharomyces cerevisiae</i> to Condition the Environment of Glucose-starved Cells. Journal of Biological Chemistry, 2013, 288, 4557-4566.	3.4	14
13	RNA with iron(II) as a cofactor catalyses electron transfer. Nature Chemistry, 2013, 5, 525-528.	13.6	68
14	Determinants of Manganese in Prenatal Dentin of Shed Teeth from CHAMACOS Children Living in an Agricultural Community. Environmental Science & Technology, 2013, 47, 11249-11257.	10.0	47
15	Responses of Mn ²⁺ speciation in <i>Deinococcus radiodurans</i> and <i>Escherichia coli</i> to β -radiation by advanced paramagnetic resonance methods. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5945-5950.	7.1	63
16	A Manganese-rich Environment Supports Superoxide Dismutase Activity in a Lyme Disease Pathogen, <i>Borrelia burgdorferi</i> . Journal of Biological Chemistry, 2013, 288, 8468-8478.	3.4	65
17	The MAP Kinase Slt2 Is Involved in Vacuolar Function and Actin Remodeling in <i>Saccharomyces cerevisiae</i> Mutants Affected by Endogenous Oxidative Stress. Applied and Environmental Microbiology, 2013, 79, 6459-6471.	3.1	21
18	Manganese (Mn) Oxidation Increases Intracellular Mn in <i>Pseudomonas putida</i> GB-1. PLoS ONE, 2013, 8, e77835.	2.5	55

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19	Manganese acquisition and homeostasis at the host-pathogen interface. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 91.	3.9	111
20	Low Molecular Weight Antioxidants (LMWA) and their Orchestration. <i>Orthodontic Journal of Nepal</i> , 2013, 2, 171-180.	0.1	3
21	Extracellular Zinc Competitively Inhibits Manganese Uptake and Compromises Oxidative Stress Management in <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2014, 9, e89427.	2.5	127
22	Transition metal ions at the crossroads of mucosal immunity and microbial pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 2.	3.9	106
23	Bioinorganic Chemistry of Antimicrobial and Host-Defense Peptides. <i>Comments on Inorganic Chemistry</i> , 2014, 34, 42-58.	5.2	10
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27	Large-scale functional analysis of the roles of phosphorylation in yeast metabolic pathways. <i>Science Signaling</i> , 2014, 7, rs6.	3.6	32
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30	Imperfect coordination chemistry facilitates metal ion release in the Psa permease. <i>Nature Chemical Biology</i> , 2014, 10, 35-41.	8.0	137
31	A binuclear Mn(II) complex as an efficient catalyst for transamidation of carboxamides with amines. <i>RSC Advances</i> , 2014, 4, 1155-1158.	3.6	43
32	Stored red blood cell transfusions: iron, inflammation, immunity, and infection. <i>Transfusion</i> , 2014, 54, 2365-2371.	1.6	42
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37	Manganese homeostasis and utilization in pathogenic bacteria. <i>Molecular Microbiology</i> , 2015, 97, 216-228.	2.5	95
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41	Metalloregulation of <i>Helicobacter pylori</i> physiology and pathogenesis. <i>Frontiers in Microbiology</i> , 2015, 6, 911.	3.5	31
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