

Alexandra V Soldatova

List of Publications by Year in descending order

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12
papers

538
citations

1040056

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1199594

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all docs

12
docs citations

12
times ranked

764
citing authors

#	ARTICLE	IF	CITATIONS
1	Mn(II,III) oxidation and MnO ₂ mineralization by an expressed bacterial multicopper oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11731-11735.	7.1	137
2	New Light on NO Bonding in Fe(III) Heme Proteins from Resonance Raman Spectroscopy and DFT Modeling. Journal of the American Chemical Society, 2010, 132, 4614-4625.	13.7	90
3	Biogenic and Synthetic MnO ₂ Nanoparticles: Size and Growth Probed with Absorption and Raman Spectroscopies and Dynamic Light Scattering. Environmental Science & Technology, 2019, 53, 4185-4197.	10.0	63
4	Steric Effects of the Initiator Substituent Position on the Externally Initiated Polymerization of 2-Bromo-5-iodo-3-hexylthiophene. Macromolecules, 2011, 44, 512-520.	4.8	60
5	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Coordinated Two-Stage Mn(II)/(III) and Mn(III)/(IV) Mechanism. Journal of the American Chemical Society, 2017, 139, 11381-11391.	13.7	58
6	Multicopper oxidase involvement in both Mn(II) and Mn(III) oxidation during bacterial formation of MnO ₂ . Journal of Biological Inorganic Chemistry, 2012, 17, 1151-1158.	2.6	51
7	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Binuclear Activation Mechanism. Journal of the American Chemical Society, 2017, 139, 11369-11380.	13.7	39
8	Copper Binding Sites in the Manganese-Oxidizing Mnx Protein Complex Investigated by Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2017, 139, 8868-8877.	13.7	14
9	Electronic Structure and Ligand Vibrations in FeNO, CoNO, and FeOO Porphyrin Adducts. Inorganic Chemistry, 2013, 52, 7478-7486.	4.0	10
10	Mn(III) species formed by the multi-copper oxidase MnxG investigated by electron paramagnetic resonance spectroscopy. Journal of Biological Inorganic Chemistry, 2018, 23, 1093-1104.	2.6	8
11	Alternative modes of O ₂ activation in P450 and NOS enzymes are clarified by DFT modeling and resonance Raman spectroscopy. Journal of Inorganic Biochemistry, 2020, 207, 111054.	3.5	5
12	Metallo-inhibition of Mnx, a bacterial manganese multicopper oxidase complex. Journal of Inorganic Biochemistry, 2021, 224, 111547.	3.5	3