Maria Oszajca

List of Publications by Year
in descending order

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26 papers	337 citations	1040056 9 h-index	839539 18 g-index
27 all docs	27 docs citations	27 times ranked	499 citing authors

#	Article	IF	Citations
1	Ru^{III}(edta) complexes as molecular redox catalysts in chemical and electrochemical reduction of dioxygen and hydrogen peroxide: inner-sphere versus outer-sphere mechanism. RSC Advances, 2021, 11, 21359-21366.	3.6	7
2	Phenolic Compounds of Reynoutria sp. as Modulators of Oral Cavity Lactoperoxidase System. Antioxidants, 2021, 10, 676.	5.1	3
3	Enzymatic Î”¹-Dehydrogenation of 3-Ketosteroidsâ€”Reconciliation of Kinetic Isotope Effects with the Reaction Mechanism. ACS Catalysis, 2021, 11, 8211-8225.	11.2	10
4	Electrochemistry of Ru(edta) complexes relevant to small molecule transformations: Catalytic implications and challenges. Coordination Chemistry Reviews, 2021, 436, 213773.	18.8	10
5	High-Pressure Mechanistic Insight into Bioinorganic NO Chemistry. Molecules, 2021, 26, 4947.	3.8	1
6	Experimental and Computational Insight into the Mechanism of NO Binding to Ferric Microperoxidase. The Likely Role of Tautomerization to Account for the pH Dependence. Inorganic Chemistry, 2021, 60, 15948-15967.	4.0	4
7	Blood Plasmaâ€™s Protective Ability against the Degradation of S-Nitrosoglutathione under the Influence of Air-Pollution-Derived Metal Ions in Patients with Exacerbation of Heart Failure and Coronary Artery Disease. International Journal of Molecular Sciences, 2021, 22, 10500.	4.1	2
8	Enhancement of NO release from S-nitrosoalbumin by pollution derived metal ions. Dalton Transactions, 2021, 50, 9923-9933.	3.3	4
9	The efficient Î”1-dehydrogenation of a wide spectrum of 3-ketosteroids in a broad pH range by 3-ketosteroid dehydrogenase from Sterolibacterium denitrificans. Journal of Steroid Biochemistry and Molecular Biology, 2020, 202, 105731.	2.5	11
10	Inorganic reaction mechanisms. A personal journey. Dalton Transactions, 2020, 49, 4599-4659.	3.3	9
11	Reaction of [Ru^{III}(EDTA)(H₂O/OH)]^{â^'/2â^'} with bisulfide and persulfide in aqueous solution: kinetic and mechanistic studies. Journal of Coordination Chemistry, 2019, 72, 2904-2915.	2.2	0
12	Urban Particulate Matterâ€Induced Decomposition of Sâ€Nitrosoglutathione Relevant to Aberrant Nitric Oxide Biological Signaling. ChemSusChem, 2019, 12, 661-671.	6.8	7
13	Strategies for Oral Delivery of Metal-Saturated Lactoferrin. Current Protein and Peptide Science, 2019, 20, 1046-1051.	1.4	4
14	The Influence of Redoxâ€Active Transition Metal Containing Microâ€• and Nanoparticles on the Properties of Representative Bioinorganic Reaction Systems. European Journal of Inorganic Chemistry, 2018, 2018, 1229-1235.	2.0	6
15	Formation of [Ru^{III}(edta)(SNO)]^{2â€“} in Ru^{III}(edta)-Mediated S-Nitrosylation of Bisulfide Ion. Inorganic Chemistry, 2016, 55, 5037-5040.	4.0	15
16	Hypoxia-selective inhibition of angiogenesis development by NAMI-A analogues. BioMetals, 2016, 29, 1035-1046.	4.1	8
17	Mechanistic studies on versatile metal-assisted hydrogen peroxide activation processes for biomedical and environmental incentives. Coordination Chemistry Reviews, 2016, 327-328, 143-165.	18.8	57
18	Redox cycling in the activation of peroxides by iron porphyrin and manganese complexes. â€˜Catchingâ€™ catalytic active intermediates. Coordination Chemistry Reviews, 2016, 306, 483-509.	18.8	63

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19	Metal-Assisted Activation of Nitric Oxideâ€"Mechanistic Aspects of Complex Nitrosylation Processes. Advances in Inorganic Chemistry, 2015, 67, 171-241.	1.0	7
20	Baseâ€Catalyzed Hydrolysis of a Ru^{II}â€"Chloroâ€"dmso Complex and Its Reactivity towards <scp>L</scp>â€Methionine. European Journal of Inorganic Chemistry, 2014, 2014, 1333-1344.	2.0	4
21	RuIII(edta) mediated oxidation of azide in the presence of hydrogen peroxide. Azide versus peroxide activation. Dalton Transactions, 2014, 43, 3087-3094.	3.3	8
22	Interaction of the NAMI-A complex with nitric oxide under physiological conditions. New Journal of Chemistry, 2014, 38, 3386-3394.	2.8	17
23	Temperature and Pressure Effects on Câ€"H Abstraction Reactions Involving Compound I and II Mimics in Aqueous Solution. Inorganic Chemistry, 2014, 53, 2848-2857.	4.0	22
24	Mechanistic Insight into Peroxoâ€Shunt Formation of Biomimetic Models for Compoundâ€…II, Their Reactivity toward Organic Substrates, and the Influence of Nâ€Methylimidazole Axial Ligation. Chemistry - A European Journal, 2014, 20, 2328-2343.	3.3	17
25	Combined Experimental and Theoretical Study on the Reactivity of Compounds I and II in Horseradish Peroxidase Biomimetics. Chemistry - A European Journal, 2014, 20, 14437-14450.	3.3	33
26	Mechanistic Studies on the Reactions of Cyanide with a Water-Soluble Fe(III) Porphyrin and Their Effect on the Binding of NO. Inorganic Chemistry, 2011, 50, 3413-3424.	4.0	8