

Simone Dell'Acqua

List of Publications by Year in descending order

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1308
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#	ARTICLE	IF	CITATIONS
1	Dopamine, Oxidative Stress and Proteinâ€“Quinone Modifications in Parkinson's and Other Neurodegenerative Diseases. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6512-6527.	13.8	160
2	Nitrous oxide reductase. <i>Coordination Chemistry Reviews</i> , 2013, 257, 332-349.	18.8	151
3	Copper(I)-Î±-Synuclein Interaction: Structural Description of Two Independent and Competing Metal Binding Sites. <i>Inorganic Chemistry</i> , 2013, 52, 1358-1367.	4.0	58
4	Determination of the Active Form of the Tetranuclear Copper Sulfur Cluster in Nitrous Oxide Reductase. <i>Journal of the American Chemical Society</i> , 2014, 136, 614-617.	13.7	52
5	Coordination and redox properties of copper interaction with Î±-synuclein. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 292-300.	3.5	43
6	Electron Transfer Complex between Nitrous Oxide Reductase and Cytochrome <i>c</i> ₅₅₂ from <i>Pseudomonas nautica</i> : Kinetic, Nuclear Magnetic Resonance, and Docking Studies. <i>Biochemistry</i> , 2008, 47, 10852-10862.	2.5	42
7	Reactivity of copper-Î±-synuclein peptide complexes relevant to Parkinsonâ€™s disease. <i>Metallomics</i> , 2015, 7, 1091-1102.	2.4	39
8	Copper(I/II), Î±/Î²-Synuclein and Amyloid-Î²: Menage Ã Trois?. <i>ChemBioChem</i> , 2015, 16, 2319-2328.	2.6	38
9	Classics in Chemical Neuroscience: Donepezil. <i>ACS Chemical Neuroscience</i> , 2019, 10, 155-167.	3.5	37
10	Remote His50 Acts as a Coordination Switch in the High-Affinity N-Terminal Centered Copper(II) Site of Î±-Synuclein. <i>Inorganic Chemistry</i> , 2015, 54, 4744-4751.	4.0	35
11	The tetranuclear copper active site of nitrous oxide reductase: the Cu ₂ Z center. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 183-194.	2.6	34
12	Spectroscopic Definition of the Cu ₂ Z ⁰ Intermediate in Turnover of Nitrous Oxide Reductase and Molecular Insight into the Catalytic Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 4462-4476.	13.7	33
13	Binding and Reactivity of Copper to R ₁ and R ₃ Fragments of tau Protein. <i>Inorganic Chemistry</i> , 2020, 59, 274-286.	4.0	33
14	Differences in the Binding of Copper(I) to Î±- and Î²-Synuclein. <i>Inorganic Chemistry</i> , 2015, 54, 265-272.	4.0	32
15	A new Cu ₂ Z active form in the catalytic reduction of N ₂ O by nitrous oxide reductase from <i>Pseudomonas nautica</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 967-976.	2.6	26
16	The electron transfer complex between nitrous oxide reductase and its electron donors. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 1241-1254.	2.6	26
17	Biochemical characterization of the purple form of <i>Marinobacter hydrocarbonoclasticus</i> nitrous oxide reductase. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1204-1212.	4.0	25
18	Protonation state of the Cu ₄ S ₂ Cu ₂ Z site in nitrous oxide reductase: redox dependence and insight into reactivity. <i>Chemical Science</i> , 2015, 6, 5670-5679.	7.4	23

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19	Copper(I) Forms a Redox-Stable 1:2 Complex with β -Synuclein N-Terminal Peptide in a Membrane-Like Environment. <i>Inorganic Chemistry</i> , 2016, 55, 6100-6106.	4.0	23
20	Copper β -Amyloid Peptides and Oxidation of Catecholic Substrates: Reactivity and Endogenous Peptide Damage. <i>Chemistry - A European Journal</i> , 2016, 22, 16964-16973.	3.3	18
21	Metallotexaphyrins as MRI-Active Catalytic Antioxidants for Neurodegenerative Disease: A Study on Alzheimer's Disease. <i>CheM</i> , 2020, 6, 703-724.	11.7	17
22	Prion Peptides Are Extremely Sensitive to Copper Induced Oxidative Stress. <i>Inorganic Chemistry</i> , 2017, 56, 11317-11325.	4.0	15
23	Membrane Binding Strongly Affecting the Dopamine Reactivity Induced by Copper Prion and Copper/Amyloid- β (A β) Peptides. A Ternary Copper/A β /Prion Peptide Complex Stabilized and Solubilized in Sodium Dodecyl Sulfate Micelles. <i>Inorganic Chemistry</i> , 2020, 59, 900-912.	4.0	14
24	Synthesis, Characterization, and Stereoselective Oxidations of the Dinuclear Copper(II) Complex Derived from a Chiral Diamino-m-xylenetetra(benzimidazole) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3493-3500.	2.0	11
25	Predicting Protein-Protein Interactions Using BiGGER: Case Studies. <i>Molecules</i> , 2016, 21, 1037.	3.8	9
26	Dinuclear heme and non-heme metal complexes as bioinspired catalysts for oxidation reactions. <i>New Journal of Chemistry</i> , 2014, 38, 518-528.	2.8	7
27	Dopamin, oxidativer Stress und Protein-Chinonmodifikationen bei Parkinson und anderen neurodegenerativen Erkrankungen. <i>Angewandte Chemie</i> , 2019, 131, 6580-6596.	2.0	7
28	Interaction between Hemin and Prion Peptides: Binding, Oxidative Reactivity and Aggregation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7553.	4.1	7
29	A Cu-bis(imidazole) Substrate Intermediate Is the Catalytically Competent Center for Catechol Oxidase Activity of Copper Amyloid- β . <i>Inorganic Chemistry</i> , 2021, 60, 606-613.	4.0	6
30	Condition-Dependent Coordination and Peroxidase Activity of Hemin-A β Complexes. <i>Molecules</i> , 2020, 25, 5044.	3.8	5
31	Oxidase Reactivity of CuII Bound to N-Truncated A β Peptides Promoted by Dopamine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5190.	4.1	3
32	Aminomethylene-Phosphonate Analogue as a Cu(II) Chelator: Characterization and Application as an Inhibitor of Oxidation Induced by the Cu(II) β -Prion Peptide Complex. <i>Inorganic Chemistry</i> , 2019, 58, 8995-9003.	4.0	1
33	Interactions of metal ions with β synuclein and amyloid β peptides. , 2014, , .		0