

Giulia Di Rocco

List of Publications by Year in descending order

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papers

884
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471061

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985
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron Transfer Properties and Hydrogen Peroxide Electrocatalysis of Cytochrome <i>c</i> Variants at Positions 67 and 80. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1698-1706.	1.2	43
2	Enthalpy/entropy compensation phenomena in the reduction thermodynamics of electron transport metalloproteins. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 23-26.	1.1	42
3	Role of Met80 and Tyr67 in the Low-pH Conformational Equilibria of Cytochrome <i>c</i> . <i>Biochemistry</i> , 2012, 51, 5967-5978.	1.2	40
4	Effects of Mutational (Lys to Ala) Surface Charge Changes on the Redox Properties of Electrode-Immobilized Cytochrome <i>c</i> . <i>Journal of Physical Chemistry B</i> , 2007, 111, 10281-10287.	1.2	37
5	Enamel peptides reveal the sex of the Late Antique "Lovers of Modena". <i>Scientific Reports</i> , 2019, 9, 13130.	1.6	37
6	Free Energy of Transition for the Individual Alkaline Conformers of Yeast Iso-1-cytochrome <i>c</i> . <i>Biochemistry</i> , 2007, 46, 1694-1702.	1.2	36
7	Antagonists Mo and Cu in a heterometallic cluster present on a novel protein (orange protein) isolated from <i>Desulfovibrio gigas</i> . <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 833-840.	1.5	33
8	A bis-histidine-ligated unfolded cytochrome <i>c</i> immobilized on anionic SAM shows pseudo-peroxidase activity. <i>Electrochemistry Communications</i> , 2012, 14, 29-31.	2.3	31
9	The impact of urea-induced unfolding on the redox process of immobilised cytochrome <i>c</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 1233-1242.	1.1	30
10	Immobilized cytochrome <i>c</i> bound to cardiolipin exhibits peculiar oxidation state-dependent axial heme ligation and catalytically reduces dioxygen. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 531-540.	1.1	26
11	Ligand Loop Effects on the Free Energy Change of Redox and pH-Dependent Equilibria in Cupredoxins Probed on Amicyanin Variants. <i>Biochemistry</i> , 2005, 44, 9944-9949.	1.2	24
12	Computational evidence support the hypothesis of neuroglobin also acting as an electron transfer species. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 615-623.	1.1	24
13	Axial ligation and polypeptide matrix effects on the reduction potential of heme proteins probed on their cyanide adducts. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 643-651.	1.1	22
14	Development of a Desmocollin-3 Active Mouse Model Recapitulating Human Atypical Pemphigus. <i>Frontiers in Immunology</i> , 2019, 10, 1387.	2.2	20
15	Heterogeneous Electron Transfer of a Two-Centered Heme Protein: Redox and Electrocatalytic Properties of Surface-Immobilized Cytochrome <i>c</i> . <i>Journal of Physical Chemistry B</i> , 2009, 113, 13645-13653.	1.2	18
16	¹ H NMR of native and azide-inhibited laccase from <i>Rhus vernicifera</i> . <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 503-506.	1.5	17
17	Thermodynamic Aspects of the Adsorption of Cytochrome <i>c</i> and its Mutants on Kaolinite. <i>Langmuir</i> , 2009, 25, 6849-6855.	1.6	17
18	Cloning, expression, and physicochemical characterization of a new diheme cytochrome <i>c</i> from <i>Shewanella baltica</i> OS155. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 461-471.	1.1	17

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19	A new type of metal-binding site in cobalt- and zinc-containing adenylate kinases isolated from sulfate-reducers <i>Desulfovibrio gigas</i> and <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1380-1395.	1.5	16
20	Effect of motional restriction on the unfolding properties of a cytochrome c featuring a His/Met \leftrightarrow His/His ligation switch. <i>Metallomics</i> , 2014, 6, 874.	1.0	16
21	Probing the Effect of Sildenafil on Progesterone and Testosterone Production by an Intracellular FRET/BRET Combined Approach. <i>Biochemistry</i> , 2019, 58, 799-808.	1.2	16
22	Characterization of the solution reactivity of a basic heme peroxidase from <i>Cucumis sativus</i> . <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 317-331.	1.4	15
23	Spectroscopic Characterization of a High-Potential Lipo-Cupredoxin Found in <i>Streptomyces coelicolor</i> . <i>Journal of the American Chemical Society</i> , 2006, 128, 14579-14589.	6.6	15
24	pH and Solvent H/D Isotope Effects on the Thermodynamics and Kinetics of Electron Transfer for Electrode-Immobilized Native and Urea-Unfolded Stellacyanin. <i>Langmuir</i> , 2012, 28, 15087-15094.	1.6	14
25	Thermodynamics and kinetics of reduction and species conversion at a hydrophobic surface for mitochondrial cytochromes c and their cardiolipin adducts. <i>Electrochimica Acta</i> , 2015, 176, 1019-1028.	2.6	14
26	The enthalpic and entropic terms of the reduction potential of metalloproteins: Determinants and interplay. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214071.	9.5	14
27	Redox thermodynamics of cytochromes c subjected to urea induced unfolding. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2181-2190.	1.5	13
28	The influence of the Cys46/Cys55 disulfide bond on the redox and spectroscopic properties of human neuroglobin. <i>Journal of Inorganic Biochemistry</i> , 2018, 178, 70-86.	1.5	13
29	Adsorbing surface strongly influences the pseudoperoxidase and nitrite reductase activity of electrode-bound yeast cytochrome c. The effect of hydrophobic immobilization. <i>Bioelectrochemistry</i> , 2020, 136, 107628.	2.4	13
30	Protein stability and mutations in the axial methionine loop of a minimal cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 600-608.	1.1	12
31	Axial iron coordination and spin state change in a heme c upon electrostatic protein \leftrightarrow SAM interaction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13499.	1.3	12
32	Core-rod myopathy due to a novel mutation in BTB/POZ domain of KBTBD13 manifesting as late onset LGMD. <i>Acta Neuropathologica Communications</i> , 2018, 6, 94.	2.4	12
33	Electrocatalytic Properties of Immobilized Heme Proteins: Basic Principles and Applications. <i>ChemElectroChem</i> , 2019, 6, 5172-5185.	1.7	12
34	Phosphorylated cofilin-2 is more prone to oxidative modifications on Cys39 and favors amyloid fibril formation. <i>Redox Biology</i> , 2020, 37, 101691.	3.9	12
35	Binding of <i>S. cerevisiae</i> iso-1 cytochrome c and its surface lysine-to-alanine variants to cardiolipin: charge effects and the role of the lipid to protein ratio. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 467-487.	1.1	12
36	Myoglobinopathy is an adult-onset autosomal dominant myopathy with characteristic sarcoplasmic inclusions. <i>Nature Communications</i> , 2019, 10, 1396.	5.8	11

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37	Urea-induced denaturation of immobilized yeast iso-1 cytochrome c: Role of Met80 and Tyr67 in the thermodynamics of unfolding and promotion of pseudoperoxidase and nitrite reductase activities. <i>Electrochimica Acta</i> , 2020, 363, 137237.	2.6	11
38	Sphingosine-1 phosphate induces cAMP/PKA-independent phosphorylation of the cAMP response element-binding protein (CREB) in granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2021, 520, 111082.	1.6	11
39	Cloning, expression and physicochemical characterization of a di-heme cytochrome c 4 from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 789-799.	1.1	10
40	High-resolution crystal structure of the recombinant diheme cytochrome c from <i>Shewanella baltica</i> (OS155). <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 395-403.	2.0	10
41	Phosphodiesterase (PDE) 5 inhibitors sildenafil, tadalafil and vardenafil impact cAMP-specific PDE8 isoforms-linked second messengers and steroid production in a mouse Leydig tumor cell line. <i>Molecular and Cellular Endocrinology</i> , 2022, 542, 111527.	1.6	10
42	Pre-amyloid oligomers budding: a metastatic mechanism of proteotoxicity. <i>Scientific Reports</i> , 2016, 6, 35865.	1.6	9
43	Enhancing Biocatalysis: The Case of Unfolded Cytochrome c Immobilized on Kaolinite. <i>ChemCatChem</i> , 2013, 5, 1765-1768.	1.8	8
44	Electrostatic Effects on the Thermodynamics of Protonation of Reduced Plastocyanin. <i>ChemBioChem</i> , 2005, 6, 692-696.	1.3	7
45	Thermodynamics of the alkaline transition in phycocyanins. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 895-900.	1.1	7
46	Surface Immobilized His-tagged Azurin as a Model Interface for the Investigation of Vectorial Electron Transfer in Biological Systems. <i>Electrochimica Acta</i> , 2015, 178, 638-646.	2.6	7
47	Fluorometric detection of protein-ligand engagement: The case of phosphodiesterase5. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 335-342.	1.4	6
48	Anti-Spoilage Activity and Exopolysaccharides Production by Selected Lactic Acid Bacteria. <i>Foods</i> , 2022, 11, 1914.	1.9	6
49	Met80 and Tyr67 affect the chemical unfolding of yeast cytochrome c: comparing the solution vs. immobilized state. <i>RSC Chemical Biology</i> , 2020, 1, 421-435.	2.0	5
50	Activity and substrate specificity of lytic polysaccharide monoxygenases: An ATR FTIR based sensitive assay tested on a novel species from <i>Pseudomonas putida</i> . <i>Protein Science</i> , 2022, 31, 591-601.	3.1	5
51	Excitation-Energy Transfer Paths from Tryptophans to Coordinated Copper Ions in Engineered Azurins: a Source of Observables for Monitoring Protein Structural Changes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1329-1349.	1.4	4
52	Electron Transfer and Electrocatalytic Properties of the Immobilized Met80Ala Cytochrome c Variant in Dimethylsulfoxide. <i>ChemElectroChem</i> , 2021, 8, 2115-2123.	1.7	4
53	How to Turn an Electron Transfer Protein into a Redox Enzyme for Biosensing. <i>Molecules</i> , 2021, 26, 4950.	1.7	4
54	Alcohol Pattern Consumption Differently Affects the Efficiency of Macrophage Reverse Cholesterol Transport in Vivo. <i>Nutrients</i> , 2018, 10, 1885.	1.7	3

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55	Pseudoperoxidase activity, conformational stability and aggregation propensity of the His98Tyr myoglobin variant: Implications for the onset of myoglobinopathy. FEBS Journal, 2021, , .	2.2	1
56	Electrochemical data on redox properties of human Cofilin-2 and its Mutant S3D. Data in Brief, 2020, 33, 106345.	0.5	0