# Giulia Di Rocco

List of Publications by Year
in descending order



| 56 | 884 | 471061 17 | 580395 25 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 57 | 57 | 57 | 985 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. Molecular and Cellular Endocrinology, 2022, 542, 111527. | 1.6 | 10 |
| 2 | Activity and substrate specificity of lytic polysaccharide monooxygenases: An <scp>ATR FTIR</scp> â€based sensitive assay tested on a novel species from Pseudomonas putida. Protein Science, 2022, 31, 591-601. | 3.1 | 5 |
| 3 | Anti-Spoilage Activity and Exopolysaccharides Production by Selected Lactic Acid Bacteria. Foods, 2022, 11, 1914. | 1.9 | 6 |
| 4 | Sphingosine-1 phosphate induces cAMP/PKA-independent phosphorylation of the cAMP response element-binding protein (CREB) in granulosa cells. Molecular and Cellular Endocrinology, 2021, 520, 111082. | 1.6 | 11 |
| 5 | Electron Transfer and Electrocatalytic Properties of the Immobilized Met80Ala Cytochrome c Variant in Dimethylsulfoxide. ChemElectroChem, 2021, 8, 2115-2123. | 1.7 | 4 |
| 6 | How to Turn an Electron Transfer Protein into a Redox Enzyme for Biosensing. Molecules, 2021, 26, 4950. | 1.7 | 4 |
| 7 | The enthalpic and entropic terms of the reduction potential of metalloproteins: Determinants and interplay. Coordination Chemistry Reviews, 2021, 445, 214071. | 9.5 | 14 |
| 8 | Pseudoperoxidase activity, conformational stability and aggregation propensity of the His98Tyr myoglobin variant: Implications for the onset of myoglobinopathy. FEBS Journal, 2021, , . | 2.2 | 1 |
| 9 | Phosphorylated cofilin-2 is more prone to oxidative modifications on Cys39 and favors amyloid fibril formation. Redox Biology, 2020, 37, 101691. | 3.9 | 12 |
| 10 | 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. Electrochimica Acta, 2020, 363, 137237. | 2.6 | 11 |
| 11 | Adsorbing surface strongly influences the pseudoperoxidase and nitrite reductase activity of electrode-bound yeast cytochrome c. The effect of hydrophobic immobilization. Bioelectrochemistry, 2020, 136, 107628. | 2.4 | 13 |
| 12 | Met80 and Tyr67 affect the chemical unfolding of yeast cytochromec: comparing the solutionvs.immobilized state. RSC Chemical Biology, 2020, 1, 421-435. | 2.0 | 5 |
| 13 | Electrochemical data on redox properties of human Cofilin-2 and its Mutant S3D. Data in Brief, 2020, 33, 106345. | 0.5 | 0 |
| 14 | Binding of S. cerevisiae iso-1 cytochrome c and its surface lysine-to-alanine variants to cardiolipin: charge effects and the role of the lipid to protein ratio. Journal of Biological Inorganic Chemistry, 2020, 25, 467-487. | 1.1 | 12 |
| 15 | Electrocatalytic Properties of Immobilized Heme Proteins: Basic Principles and Applications. ChemElectroChem, 2019, 6, 5172-5185. | 1.7 | 12 |
| 16 | Development of a Desmocollin-3 Active Mouse Model Recapitulating Human Atypical Pemphigus. Frontiers in Immunology, 2019, 10, 1387. | 2.2 | 20 |
| 17 | Enamel peptides reveal the sex of the Late Antique â€˜Lovers of Modenaâ€™. Scientific Reports, 2019, 9, 13130. | 1.6 | 37 |
| 18 | Myoglobinopathy is an adult-onset autosomal dominant myopathy with characteristic sarcoplasmic inclusions. Nature Communications, 2019, 10, 1396. | 5.8 | 11 |

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|---|---|---|---|
| 19 | Probing the Effect of Sildenafil on Progesterone and Testosterone Production by an Intracellular FRET/BRET Combined Approach. Biochemistry, 2019, 58, 799-808. | 1.2 | 16 |
| 20 | The influence of the Cys46/Cys55 disulfide bond on the redox and spectroscopic properties of human neuroglobin. Journal of Inorganic Biochemistry, 2018, 178, 70-86. | 1.5 | 13 |
| 21 | Fluorometric detection of protein-ligand engagement: The case of phosphodiesterase5. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 335-342. | 1.4 | 6 |
| 22 | Alcohol Pattern Consumption Differently Affects the Efficiency of Macrophage Reverse Cholesterol Transport in Vivo. Nutrients, 2018, 10, 1885. | 1.7 | 3 |
| 23 | Core-rod myopathy due to a novel mutation in BTB/POZ domain of KBTBD13 manifesting as late onset LGMD. Acta Neuropathologica Communications, 2018, 6, 94. | 2.4 | 12 |
| 24 | Computational evidence support the hypothesis of neuroglobin also acting as an electron transfer species. Journal of Biological Inorganic Chemistry, 2017, 22, 615-623. | 1.1 | 24 |
| 25 | Excitation-Energy Transfer Paths from Tryptophans to Coordinated Copper Ions in Engineered Azurins: a Source of Observables for Monitoring Protein Structural Changes. Zeitschrift Fur Physikalische Chemie, 2016, 230, 1329-1349. | 1.4 | 4 |
| 26 | Pre-amyloid oligomers budding:a metastatic mechanism of proteotoxicity. Scientific Reports, 2016, 6, 35865. | 1.6 | 9 |
| 27 | High-resolution crystal structure of the recombinant diheme cytochrome c fromShewanella baltica(OS155). Journal of Biomolecular Structure and Dynamics, 2015, 33, 395-403. | 2.0 | 10 |
| 28 | Immobilized cytochrome c bound to cardiolipin exhibits peculiar oxidation state-dependent axial heme ligation and catalytically reduces dioxygen. Journal of Biological Inorganic Chemistry, 2015, 20, 531-540. | 1.1 | 26 |
| 29 | Surface Immobilized His-tagged Azurin as a Model Interface for the Investigation of Vectorial Electron Transfer in Biological Systems. Electrochimica Acta, 2015, 178, 638-646. | 2.6 | 7 |
| 30 | Thermodynamics and kinetics of reduction and species conversion at a hydrophobic surface for mitochondrial cytochromes c and their cardiolipin adducts. Electrochimica Acta, 2015, 176, 1019-1028. | 2.6 | 14 |
| 31 | Effect of motional restriction on the unfolding properties of a cytochrome c featuring a His/Metâ€“His/His ligation switch. Metallomics, 2014, 6, 874. | 1.0 | 16 |
| 32 | Enhancing Biocatalysis: The Case of Unfolded Cytochromeâ€…c Immobilized on Kaolinite. ChemCatChem, 2013, 5, 1765-1768. | 1.8 | 8 |
| 33 | Axial iron coordination and spin state change in a heme c upon electrostatic proteinâ€“SAM interaction. Physical Chemistry Chemical Physics, 2013, 15, 13499. | 1.3 | 12 |
| 34 | pH and Solvent H/D Isotope Effects on the Thermodynamics and Kinetics of Electron Transfer for Electrode-Immobilized Native and Urea-Unfolded Stellacyanin. Langmuir, 2012, 28, 15087-15094. | 1.6 | 14 |
| 35 | Role of Met80 and Tyr67 in the Low-pH Conformational Equilibria of Cytochrome c. Biochemistry, 2012, 51, 5967-5978. | 1.2 | 40 |
| 36 | A bis-histidine-ligated unfolded cytochrome c immobilized on anionic SAM shows pseudo-peroxidase activity. Electrochemistry Communications, 2012, 14, 29-31. | 2.3 | 31 |

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|---|---|---|---|
| 37 | Cloning, expression, and physicochemical characterization of a new diheme cytochrome c from Shewanella baltica OS155. Journal of Biological Inorganic Chemistry, 2011, 16, 461-471. | 1.1 | 17 |
| 38 | The impact of urea-induced unfolding on the redox process of immobilised cytochrome c. Journal of Biological Inorganic Chemistry, 2010, 15, 1233-1242. | 1.1 | 30 |
| 39 | Electron Transfer Properties and Hydrogen Peroxide Electrocatalysis of Cytochrome c Variants at Positions 67 and 80. Journal of Physical Chemistry B, 2010, 114, 1698-1706. | 1.2 | 43 |
| 40 | Redox thermodynamics of cytochromes c subjected to urea induced unfolding. Journal of Applied Electrochemistry, 2009, 39, 2181-2190. | 1.5 | 13 |
| 41 | Thermodynamic Aspects of the Adsorption of Cytochromecand its Mutants on Kaolinite. Langmuir, 2009, 25, 6849-6855. | 1.6 | 17 |
| 42 | Heterogeneous Electron Transfer of a Two-Centered Heme Protein: Redox and Electrocatalytic Properties of Surface-Immobilized Cytochrome c4. Journal of Physical Chemistry B, 2009, 113, 13645-13653. | 1.2 | 18 |
| 43 | Cloning, expression and physicochemical characterization of a di-heme cytochrome c 4 from the psychrophilic bacterium Pseudoalteromonas haloplanktis TAC 125. Journal of Biological Inorganic Chemistry, 2008, 13, 789-799. | 1.1 | 10 |
| 44 | A new type of metal-binding site in cobalt- and zinc-containing adenylate kinases isolated from sulfate-reducers Desulfovibrio gigas and Desulfovibrio desulfuricans ATCC 27774. Journal of Inorganic Biochemistry, 2008, 102, 1380-1395. | 1.5 | 16 |
| 45 | Free Energy of Transition for the Individual Alkaline Conformers of Yeast Iso-1-cytochromecâ€‚â€¡. Biochemistry, 2007, 46, 1694-1702. | 1.2 | 36 |
| 46 | Effects of Mutational (Lys to Ala) Surface Charge Changes on the Redox Properties of Electrode-Immobilized Cytochrome c. Journal of Physical Chemistry B, 2007, 111, 10281-10287. | 1.2 | 37 |
| 47 | Thermodynamics of the alkaline transition in phytocyanins. Journal of Biological Inorganic Chemistry, 2007, 12, 895-900. | 1.1 | 7 |
| 48 | Spectroscopic Characterization of a High-Potential Lipo-Cupredoxin Found in Streptomyces coelicolor. Journal of the American Chemical Society, 2006, 128, 14579-14589. | 6.6 | 15 |
| 49 | Electrostatic Effects on the Thermodynamics of Protonation of Reduced Plastocyanin. ChemBioChem, 2005, 6, 692-696. | 1.3 | 7 |
| 50 | Axial ligation and polypeptide matrix effects on the reduction potential of heme proteins probed on their cyanide adducts. Journal of Biological Inorganic Chemistry, 2005, 10, 643-651. | 1.1 | 22 |
| 51 | Ligand Loop Effects on the Free Energy Change of Redox and pH-Dependent Equilibria in Cupredoxins Probed on Amicyanin Variants. Biochemistry, 2005, 44, 9944-9949. | 1.2 | 24 |
| 52 | Enthalpy/entropy compensation phenomena in the reduction thermodynamics of electron transport metalloproteins. Journal of Biological Inorganic Chemistry, 2004, 9, 23-26. | 1.1 | 42 |
| 53 | Protein stability and mutations in the axial methionine loop of a minimal cytochrome c. Journal of Biological Inorganic Chemistry, 2004, 9, 600-608. | 1.1 | 12 |
| 54 | Antagonists Mo and Cu in a heterometallic cluster present on a novel protein (orange protein) isolated from Desulfovibrio gigas. Journal of Inorganic Biochemistry, 2004, 98, 833-840. | 1.5 | 33 |

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| 55 | Characterization of the solution reactivity of a basic heme peroxidase from Cucumis sativus. Archives of Biochemistry and Biophysics, 2004, 423, 317-331. | 1.4 | 15 |
| 56 | 1H NMR of native and azide-inhibited laccase from Rhus vernicifera. Journal of Inorganic Biochemistry, 2003, 96, 503-506. | 1.5 | 17 |