

# Antonio Ranieri

## List of Publications by Year in descending order

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67  
papers

1,587  
citations

257101

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344852

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67  
docs citations

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times ranked

1260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembled Structures from Solid Cadmium(II) Acetate in Thiol/Ethanol Solutions: A Novel Type of Organic Chemical Garden. <i>ChemSystemsChem</i> , 2021, 3, e2000048.	1.1	5
2	Tetrairon(II) extended metal atom chains as single-molecule magnets. <i>Dalton Transactions</i> , 2021, 50, 7571-7589.	1.6	10
3	Electron Transfer and Electrocatalytic Properties of the Immobilized Met80Ala Cytochrome c Variant in Dimethylsulfoxide. <i>ChemElectroChem</i> , 2021, 8, 2115-2123.	1.7	4
4	How to Turn an Electron Transfer Protein into a Redox Enzyme for Biosensing. <i>Molecules</i> , 2021, 26, 4950.	1.7	4
5	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
6	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
7	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
8	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
9	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
10	Electrocatalytic Properties of Immobilized Heme Proteins: Basic Principles and Applications. <i>ChemElectroChem</i> , 2019, 6, 5172-5185.	1.7	12
11	Filling the Gap in Extended Metal Atom Chains: Ferromagnetic Interactions in a Tetrairon(II) String Supported by Oligo- $\pi$ -pyridylamido Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 5438-5448.	1.9	16
12	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
13	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
14	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
15	Immobilized cytochrome c 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
16	Solvent tunes the peroxidase activity of cytochrome c immobilized on kaolinite. <i>Applied Clay Science</i> , 2015, 118, 316-324.	2.6	1
17	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
18	Effect of motional restriction on the unfolding properties of a cytochrome c featuring a His/Met-His/His ligation switch. <i>Metallomics</i> , 2014, 6, 874.	1.0	16

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19	Enhancing Biocatalysis: The Case of Unfolded Cytochrome <i>c</i> Immobilized on Kaolinite. <i>ChemCatChem</i> , 2013, 5, 1765-1768.	1.8	8
20	Axial iron coordination and spin state change in a heme <i>c</i> upon electrostatic protein-SAM interaction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13499.	1.3	12
21	The Active Site Loop Modulates the Reorganization Energy of Blue Copper Proteins by Controlling the Dynamic Interplay with Solvent. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 710-715.	2.1	25
22	A surface-immobilized cytochrome <i>c</i> variant provides a pH-controlled molecular switch. <i>Chemical Science</i> , 2012, 3, 807-810.	3.7	25
23	The Met80Ala point mutation enhances the peroxidase activity of immobilized cytochrome <i>c</i> . <i>Catalysis Science and Technology</i> , 2012, 2, 2206.	2.1	11
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	Understanding the Mechanism of Short-Range Electron Transfer Using an Immobilized Cupredoxin. <i>Journal of the American Chemical Society</i> , 2012, 134, 11848-11851.	6.6	34
26	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
27	Immobilized unfolded cytochrome <i>c</i> acts as a catalyst for dioxygen reduction. <i>Chemical Communications</i> , 2011, 47, 11122.	2.2	11
28	pH-Dependent Peroxidase Activity of Yeast Cytochrome <i>c</i> and Its Triple Mutant Adsorbed on Kaolinite. <i>Langmuir</i> , 2011, 27, 10683-10690.	1.6	18
29	The Reorganization Energy in Cytochrome <i>c</i> is Controlled by the Accessibility of the Heme to the Solvent. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1761-1765.	2.1	57
30	Unfolding of cytochrome <i>c</i> immobilized on self-assembled monolayers. An electrochemical study. <i>Electrochimica Acta</i> , 2011, 56, 6925-6931.	2.6	24
31	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
32	Redox and Electrocatalytic Properties of Mimochrome VI, a Synthetic Heme Peptide Adsorbed on Gold. <i>Langmuir</i> , 2010, 26, 17831-17835.	1.6	27
33	Factors Affecting the Electron Transfer Properties of an Immobilized Cupredoxin. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22322-22329.	1.5	19
34	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
35	Redox thermodynamics of cytochromes <i>c</i> subjected to urea induced unfolding. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2181-2190.	1.5	13
36	Thermodynamics and kinetics of the electron transfer process of spinach plastocyanin adsorbed on a modified gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 2009, 626, 123-129.	1.9	14

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37	Active site loop dictates the thermodynamics of reduction and ligand protonation in cupredoxins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 995-1000.	1.1	8
38	Electrochemical Response of Cytochrome <i>c</i> Immobilized on Smooth and Roughened Silver and Gold Surfaces Chemically Modified with 11-Mercaptoundecanoic Acid. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2861-2866.	1.5	26
39	Thermodynamic Aspects of the Adsorption of Cytochromecand its Mutants on Kaolinite. <i>Langmuir</i> , 2009, 25, 6849-6855.	1.6	17
40	Heterogeneous Electron Transfer of a Two-Centered Heme Protein: Redox and Electrocatalytic Properties of Surface-Immobilized Cytochrome <i>c</i> <sub>4</sub> . <i>Journal of Physical Chemistry B</i> , 2009, 113, 13645-13653.	1.2	18
41	Thermodynamic and kinetic aspects of the electron transfer reaction of bovine cytochrome <i>c</i> immobilized on 4-mercaptopyridine and 11-mercapto-1-undecanoic acid films. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 885-891.	1.5	20
42	Cloning, expression and physicochemical characterization of a di-heme cytochrome <i>c</i> <sub>4</sub> from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 789-799.	1.1	10
43	Electron Transfer and Electrocatalytic Properties of the Immobilized Methionine80Alanine Cytochrome <i>c</i> Variant. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1555-1563.	1.2	39
44	Catalytic Reduction of Dioxygen and Nitrite Ion at a Met80Ala Cytochrome <i>c</i> -Functionalized Electrode. <i>Journal of the American Chemical Society</i> , 2008, 130, 15099-15104.	6.6	31
45	pH-Induced Changes in Adsorbed Cytochrome <i>c</i> . Voltammetric and Surface-Enhanced Resonance Raman Characterization Performed Simultaneously at Chemically Modified Silver Electrodes. <i>Langmuir</i> , 2007, 23, 9898-9904.	1.6	30
46	Free Energy of Transition for the Individual Alkaline Conformers of Yeast Iso-1-cytochromecâ€¢â€¢j. <i>Biochemistry</i> , 2007, 46, 1694-1702.	1.2	36
47	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
48	Voltammetric and Surface-Enhanced Resonance Raman Spectroscopic Characterization of CytochromecAdsorbed on a 4-Mercaptopyridine Monolayer on Silver Electrodes. <i>Langmuir</i> , 2007, 23, 4340-4345.	1.6	33
49	Protonation of a Histidine Copper Ligand in Fern Plastocyanin. <i>Journal of the American Chemical Society</i> , 2007, 129, 4423-4429.	6.6	22
50	Towards Combined Electrochemistry and Surface-Enhanced Resonance Raman of Heme Proteins:Â Improvement of Diffusion Electrochemistry of Cytochromecat Silver Electrodes Chemically Modified with 4-Mercaptopyridine. <i>Analytical Chemistry</i> , 2006, 78, 5622-5625.	3.2	28
51	The Redox Chemistry of the Covalently Immobilized Native and Low-pH Forms of Yeast Iso-1-cytochromec. <i>Journal of the American Chemical Society</i> , 2006, 128, 5444-5451.	6.6	54
52	Electrostatic Effects on the Thermodynamics of Protonation of Reduced Plastocyanin. <i>ChemBioChem</i> , 2005, 6, 692-696.	1.3	7
53	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
54	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

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55	Role of the solvent in the oxidative process of a Hg electrode in the presence of thiopyrimidine derivatives. Canadian Journal of Chemistry, 2005, 83, 1132-1136.	0.6	0
56	Enthalpy/entropy compensation phenomena in the reduction thermodynamics of electron transport metalloproteins. Journal of Biological Inorganic Chemistry, 2004, 9, 23-26.	1.1	42
57	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
58	Solvent-based deuterium isotope effects on the redox thermodynamics of cytochrome c. Journal of Biological Inorganic Chemistry, 2004, 9, 781-787.	1.1	32
59	Redox thermodynamics of cytochrome c adsorbed on mercaptoundecanol monolayer electrodes. Journal of Electroanalytical Chemistry, 2004, 564, 45-52.	1.9	19
60	Control of Metalloprotein Reduction Potential: Compensation Phenomena in the Reduction Thermodynamics of Blue Copper Proteins. Biochemistry, 2003, 42, 9214-9220.	1.2	58
61	Thermodynamics of the Acid Transition in Blue Copper Proteins. Biochemistry, 2002, 41, 14293-14298.	1.2	32
62	Redox Thermodynamics of the Fe <sup>3+</sup> /Fe <sup>2+</sup> Couple in Horseradish Peroxidase and Its Cyanide Complex. Journal of the American Chemical Society, 2002, 124, 26-27.	6.6	63
63	Control of CytochromecRedox Potential: Axial Ligation and Protein Environment Effects. Journal of the American Chemical Society, 2002, 124, 5315-5324.	6.6	191
64	Conservation of the free energy change of the alkaline isomerization in mitochondrial and bacterial cytochromes c. Archives of Biochemistry and Biophysics, 2002, 404, 227-233.	1.4	19
65	Effects of Specific Anion-Protein Binding on the Alkaline Transition of Cytochrome c. Archives of Biochemistry and Biophysics, 2001, 386, 117-122.	1.4	12
66	Redox properties and acid-base equilibria of zucchini macyanin. Journal of Inorganic Biochemistry, 2001, 83, 223-227.	1.5	24
67	The Copper Chemical Garden as a Low Cost and Efficient Material for Breaking Down Air Pollution by Gaseous Ammonia. ChemSystemsChem, 0, , e2100034.	1.1	1