# Antonello Merlino

List of Publications by Year
in descending order



| 183 | 5,314 | 76294 | 138417 |
|---|---|---|---|
| papers | citations | 40 h-index | 58 g-index |

| 186 | 186 | 186 | 4809 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Oxaliplatin inhibits angiogenin proliferative and cell migration effects in prostate cancer cells. Journal of Inorganic Biochemistry, 2022, 226, 111657. | 1.5 | 11 |
| 2 | Reactivity of a fluorine-containing dirhodium tetracarboxylate compound with proteins. Dalton Transactions, 2022, 51, 3695-3705. | 1.6 | 7 |
| 3 | Glucosyl Platinum(II) Complexes Inhibit Aggregation of the C-Terminal Region of the AÎ² Peptide. Inorganic Chemistry, 2022, 61, 3540-3552. | 1.9 | 18 |
| 4 | Protein-Based Delivery Systems for Anticancer Metallodrugs: Structure and Biological Activity of the Oxaliplatin/Î²-Lactoglobulin Adduct. Pharmaceuticals, 2022, 15, 425. | 1.7 | 5 |
| 5 | Metallodrugs: Mechanisms of Action, Molecular Targets and Biological Activity. International Journal of Molecular Sciences, 2022, 23, 3504. | 1.8 | 6 |
| 6 | Digging into protein metalation differences triggered by fluorine containing-dirhodium tetracarboxylate analogues. Dalton Transactions, 2022, 51, 7294-7304. | 1.6 | 9 |
| 7 | Unexpected Imidazole Coordination to the Dirhodium Center in a Protein Environment: Insights from X-ray Crystallography and Quantum Chemistry. Inorganic Chemistry, 2022, 61, 8402-8405. | 1.9 | 5 |
| 8 | The first step of arsenoplatin-1 aggregation in solution unveiled by solving the crystal structure of its protein adduct. Dalton Transactions, 2021, 50, 68-71. | 1.6 | 5 |
| 9 | Recent advances in protein metalation: structural studies. Chemical Communications, 2021, 57, 1295-1307. | 2.2 | 29 |
| 10 | Interaction of Platinum-based Drugs with Proteins: An Overview of Representative Crystallographic Studies. Current Topics in Medicinal Chemistry, 2021, 21, 6-27. | 1.0 | 14 |
| 11 | Arsenoplatin-Ferritin Nanocage: Structure and Cytotoxicity. International Journal of Molecular Sciences, 2021, 22, 1874. | 1.8 | 7 |
| 12 | Unusual Structural Features in the Adduct of Dirhodium Tetraacetate with Lysozyme. International Journal of Molecular Sciences, 2021, 22, 1496. | 1.8 | 19 |
| 13 | The structural features of an ancient ribonuclease from Salmo salar reveal an intriguing case of auto-inhibition. International Journal of Biological Macromolecules, 2021, 182, 659-668. | 3.6 | 3 |
| 14 | Square-Planar vs. Trigonal Bipyramidal Geometry in Pt(II) Complexes Containing Triazole-Based Glucose Ligands as Potential Anticancer Agents. International Journal of Molecular Sciences, 2021, 22, 8704. | 1.8 | 8 |
| 15 | The interaction of rhodium compounds with proteins: A structural overview. Coordination Chemistry Reviews, 2021, 442, 213999. | 9.5 | 19 |
| 16 | Reactions with Proteins of Three Novel Anticancer Platinum(II) Complexes Bearing N-Heterocyclic Ligands. International Journal of Molecular Sciences, 2021, 22, 10551. | 1.8 | 8 |
| 17 | The crystal structure of the domain-swapped dimer of onconase highlights some catalytic and antitumor activity features of the enzyme. International Journal of Biological Macromolecules, 2021, 191, 560-571. | 3.6 | 6 |
| 18 | Spectroscopic/Computational Characterization and the X-ray Structure of the Adduct of the V<sup>IV</sup>Oâ€“Picolinato Complex with RNase A. Inorganic Chemistry, 2021, 60, 19098-19109. | 1.9 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fiveâ€Coordinate Platinum(II) Compounds as Potential Anticancer Agents. European Journal of Inorganic Chemistry, 2020, 2020, 918-929. | 1.0 | 24 |
| 20 | Cisplatin binding to Î²-lactoglobulin: a structural study. Dalton Transactions, 2020, 49, 12450-12457. | 1.6 | 6 |
| 21 | Modulation of Amyloidogenic Peptide Aggregation by Photoactivatable CO-Releasing Ruthenium(II) Complexes. Pharmaceuticals, 2020, 13, 171. | 1.7 | 19 |
| 22 | X-ray structure of C-phycocyanin from Galdieria phlegrea: Determinants of thermostability and comparison with a C-phycocyanin in the entire phycobilisome. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148236. | 0.5 | 18 |
| 23 | Pt(II) versus Pt(IV) in Carbene Glycoconjugate Antitumor Agents: Minimal Structural Variations and Great Performance Changes. Inorganic Chemistry, 2020, 59, 4002-4014. | 1.9 | 32 |
| 24 | Protein-metallodrugs interactions: Effects on the overall protein structure and characterization of Au, Ru and Pt binding sites. International Journal of Biological Macromolecules, 2020, 163, 970-976. | 3.6 | 18 |
| 25 | A thermophilic C-phycocyanin with unprecedented biophysical and biochemical properties. International Journal of Biological Macromolecules, 2020, 150, 38-51. | 3.6 | 21 |
| 26 | Gold metalation of proteins: Structural studies. Coordination Chemistry Reviews, 2020, 407, 213175. | 9.5 | 40 |
| 27 | Label-free quantitative proteomics of the MCF-7 cellular response to a ferritinâ€“metallodrug complex. Molecular Omics, 2020, 16, 165-173. | 1.4 | 3 |
| 28 | Protein interactions of dirhodium tetraacetate: a structural study. Dalton Transactions, 2020, 49, 2412-2416. | 1.6 | 29 |
| 29 | Structural Characterization of a Gold/Serum Albumin Complex. Inorganic Chemistry, 2019, 58, 10616-10619. | 1.9 | 34 |
| 30 | Role of the Metal Center in the Modulation of the Aggregation Process of Amyloid Model Systems by Square Planar Complexes Bearing 2-(2'-pyridyl)benzimidazole Ligands. Pharmaceuticals, 2019, 12, 154. | 1.7 | 21 |
| 31 | Protein-mediated disproportionation of Au(<scp>i</scp>): insights from the structures of adducts of Au(<scp>iii</scp>) compounds bearingN,N-pyridylbenzimidazole derivatives with lysozyme. Dalton Transactions, 2019, 48, 14027-14035. | 1.6 | 17 |
| 32 | Reaction with Proteins of a Five-Coordinate Platinum(II) Compound. International Journal of Molecular Sciences, 2019, 20, 520. | 1.8 | 6 |
| 33 | Encapsulation of the Dinuclear Trithiolatoâ€Bridged Arene Ruthenium Complex Diruthenâ€1 in an Apoferritin Nanocage: Structure and Cytotoxicity. ChemMedChem, 2019, 14, 594-602. | 1.6 | 22 |
| 34 | Ferritin-based anticancer metallodrug delivery: Crystallographic, analytical and cytotoxicity studies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 101997. | 1.7 | 33 |
| 35 | A highly efficient and selective antitumor agent based on a glucoconjugated carbene platinum(<scp>ii</scp>) complex. Dalton Transactions, 2019, 48, 7794-7800. | 1.6 | 28 |
| 36 | Arsenoplatin-1 Is a Dual Pharmacophore Anticancer Agent. Journal of the American Chemical Society, 2019, 141, 6453-6457. | 6.6 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Platinum(II) O,S Complexes Inhibit the Aggregation of Amyloid Model Systems. International Journal of Molecular Sciences, 2019, 20, 829. | 1.8 | 31 |
| 38 | The unique structural features of carbonmonoxy hemoglobin from the sub-Antarctic fish Eleginops maclovinus. Scientific Reports, 2019, 9, 18987. | 1.6 | 3 |
| 39 | On the pH-Modulated Ru-Based Prodrug Activation Mechanism. Inorganic Chemistry, 2019, 58, 1216-1223. | 1.9 | 9 |
| 40 | Five-Coordinate Platinum(II) Compounds Containing Sugar Ligands: Synthesis, Characterization, Cytotoxic Activity, and Interaction with Biological Macromolecules. Inorganic Chemistry, 2018, 57, 3133-3143. | 1.9 | 28 |
| 41 | X-ray structure of bovine heart cytochrome c at high ionic strength. BioMetals, 2018, 31, 277-284. | 1.8 | 3 |
| 42 | Reactions of a tetranuclear Pt-thiosemicarbazone complex with model proteins. Journal of Inorganic Biochemistry, 2018, 181, 11-17. | 1.5 | 13 |
| 43 | pH driven fibrillar aggregation of the super-sweet protein Y65R-MNEI: A step-by-step structural analysis. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 808-815. | 1.1 | 13 |
| 44 | Caged noble metals: Encapsulation of a cytotoxic platinum(II)-gold(I) compound within the ferritin nanocage. International Journal of Biological Macromolecules, 2018, 115, 1116-1121. | 3.6 | 23 |
| 45 | Raman-markers of X-ray radiation damage of proteins. International Journal of Biological Macromolecules, 2018, 111, 1194-1205. | 3.6 | 10 |
| 46 | C-Glycosylation in platinum-based agents: a viable strategy to improve cytotoxicity and selectivity. Inorganic Chemistry Frontiers, 2018, 5, 2921-2933. | 3.0 | 20 |
| 47 | Preparation, structure, cytotoxicity and mechanism of action of ferritin-Pt(II) terpyridine compound nanocomposites. Nanomedicine, 2018, 13, 2995-3007. | 1.7 | 9 |
| 48 | Crystal structure of the ferric homotetrameric Î² 4 human hemoglobin. Biophysical Chemistry, 2018, 240, 9-14. | 1.5 | 5 |
| 49 | Exploring the interactions between model proteins and Pd(<scp>ii</scp>) or Pt(<scp>ii</scp>) compounds bearing chargedN,N-pyridylbenzimidazole bidentate ligands by X-ray crystallography. Dalton Transactions, 2018, 47, 10130-10138. | 1.6 | 20 |
| 50 | The NAMI A â€“ human ferritin system: a biophysical characterization. Dalton Transactions, 2018, 47, 11429-11437. | 1.6 | 24 |
| 51 | A case of extensive protein platination: the reaction of lysozyme with a Pt(ii)â€“terpyridine complex. Dalton Transactions, 2018, 47, 8716-8723. | 1.6 | 22 |
| 52 | Protein Metalation by Anticancer Metallodrugs: A Joint ESI MS and XRD Investigative Strategy. Chemistry - A European Journal, 2017, 23, 6942-6947. | 1.7 | 69 |
| 53 | {Ru(CO)<sub>x</sub>}-Core complexes with benzimidazole ligands: synthesis, X-ray structure and evaluation of anticancer activity in vivo. Dalton Transactions, 2017, 46, 3025-3040. | 1.6 | 27 |
| 54 | X-ray Structure of the Carboplatin-Loaded Apo-Ferritin Nanocage. ACS Medicinal Chemistry Letters, 2017, 8, 433-437. | 1.3 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A comparison study on RNase A oligomerization induced by cisplatin, carboplatin and oxaliplatin. Journal of Inorganic Biochemistry, 2017, 173, 105-112. | 1.5 | 15 |
| 56 | A driving force for polypeptide and protein collapse. Physical Chemistry Chemical Physics, 2017, 19, 751-756. | 1.3 | 22 |
| 57 | Protein metalation by metal-based drugs: X-ray crystallography and mass spectrometry studies. Chemical Communications, 2017, 53, 11622-11633. | 2.2 | 60 |
| 58 | Ferritin nanocages loaded with gold ions induce oxidative stress and apoptosis in MCF-7 human breast cancer cells. Dalton Transactions, 2017, 46, 15354-15362. | 1.6 | 37 |
| 59 | Principles and methods used to grow and optimize crystals of proteinâ€“metallodrug adducts, to determine metal binding sites and to assign metal ligands. Metallomics, 2017, 9, 1534-1547. | 1.0 | 31 |
| 60 | Cisplatin Binding Sites in Human H-Chain Ferritin. Inorganic Chemistry, 2017, 56, 9064-9070. | 1.9 | 26 |
| 61 | Frontispiece: Protein Metalation by Anticancer Metallodrugs: A Joint ESI MS and XRD Investigative Strategy. Chemistry - A European Journal, 2017, 23, . | 1.7 | 0 |
| 62 | Ru-Based CO releasing molecules with azole ligands: interaction with proteins and the CO release mechanism disclosed by X-ray crystallography. Dalton Transactions, 2017, 46, 9621-9629. | 1.6 | 29 |
| 63 | Fine Sampling of the Râ†'T Quaternaryâ€Structure Transition of a Tetrameric Hemoglobin. Chemistry - A European Journal, 2017, 23, 605-613. | 1.7 | 9 |
| 64 | Mitochondria Targeting with Luminescent Rhenium(I) Complexes. Molecules, 2017, 22, 809. | 1.7 | 23 |
| 65 | First Crystal Structure for a Gold Carbeneâ€“Protein Adduct. Bioconjugate Chemistry, 2016, 27, 1584-1587. | 1.8 | 27 |
| 66 | Effect of temperature on the interaction of cisplatin with the model protein hen egg white lysozyme. Journal of Biological Inorganic Chemistry, 2016, 21, 433-442. | 1.1 | 28 |
| 67 | A first-in-class and a fished out anticancer platinum compound: cis-[PtCl<sub>2</sub>(NH<sub>3</sub>)<sub>2</sub>] and cis-[PtI<sub>2</sub>(NH<sub>3</sub>)<sub>2</sub>] compared for their reactivity towards DNA model systems. Dalton Transactions, 2016, 45, 8587-8600. | 1.6 | 32 |
| 68 | Interactions between proteins and Ru compounds of medicinal interest: A structural perspective. Coordination Chemistry Reviews, 2016, 326, 111-134. | 9.5 | 101 |
| 69 | Platinum(<scp>ii</scp>) O,S complexes as potential metallodrugs against Cisplatin resistance. Dalton Transactions, 2016, 45, 18876-18891. | 1.6 | 15 |
| 70 | Cisplatinâ€“Protein Interactions: Unexpected Drug Binding to N-Terminal Amine and Lysine Side Chains. Inorganic Chemistry, 2016, 55, 7814-7816. | 1.9 | 26 |
| 71 | Sweeter and stronger: enhancing sweetness and stability of the single chain monellin MNEI through molecular design. Scientific Reports, 2016, 6, 34045. | 1.6 | 38 |
| 72 | Unusual mode of protein binding by a cytotoxic Ï€-arene ruthenium(<scp>ii</scp>) piano-stool compound containing an O,S-chelating ligand. Dalton Transactions, 2016, 45, 12283-12287. | 1.6 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Gold-based drug encapsulation within a ferritin nanocage: X-ray structure and biological evaluation as a potential anticancer agent of the Auoxo3-loaded protein. Chemical Communications, 2016, 52, 9518-9521. | 2.2 | 43 |
| 74 | Cytotoxic properties of a new organometallic platinum(<scp>ii</scp>) complex and its gold(<scp>i</scp>) heterobimetallic derivatives. Dalton Transactions, 2016, 45, 579-590. | 1.6 | 47 |
| 75 | Cisplatin binding to proteins: A structural perspective. Coordination Chemistry Reviews, 2016, 315, 67-89. | 9.5 | 126 |
| 76 | Cisplatin encapsulation within a ferritin nanocage: a high-resolution crystallographic study. Chemical Communications, 2016, 52, 4136-4139. | 2.2 | 57 |
| 77 | Protein conformational perturbations in hereditary amyloidosis: Differential impact of single point mutations in ApoAI amyloidogenic variants. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 434-444. | 1.1 | 23 |
| 78 | The maturation mechanism of Î³-glutamyl transpeptidases: Insights from the crystal structure of a precursor mimic of the enzyme from Bacillus licheniformis and from site-directed mutagenesis studies. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 195-203. | 1.1 | 24 |
| 79 | Mapping the protein-binding sites for iridium(<scp>iii</scp>)-based CO-releasing molecules. Dalton Transactions, 2016, 45, 12206-12214. | 1.6 | 18 |
| 80 | Fine tuning of metal-specific activity in the Mn-like group of cambialistic superoxide dismutases. RSC Advances, 2015, 5, 87876-87887. | 1.7 | 15 |
| 81 | Î±-Thalassemia Associated with Hb Instability: A Tale of Two Features. The Case of Hb Rogliano or Î±1 Cod 108(G15)Thrâ†'Asn and Hb Policoro or Î±2 Cod 124(H7)Serâ†'Pro.. PLoS ONE, 2015, 10, e0115738. | 1.1 | 9 |
| 82 | The X-ray structure of the primary adducts formed in the reaction between cisplatin and cytochrome c. Chemical Communications, 2015, 51, 2559-2561. | 2.2 | 31 |
| 83 | Interactions of carboplatin and oxaliplatin with proteins: Insights from X-ray structures and mass spectrometry studies of their ribonuclease A adducts. Journal of Inorganic Biochemistry, 2015, 153, 136-142. | 1.5 | 43 |
| 84 | Structural evidences for a secondary gold binding site in the hydrophobic box of lysozyme. BioMetals, 2015, 28, 745-754. | 1.8 | 15 |
| 85 | Interaction of anticancer Ru(iii) complexes with single stranded and duplex DNA model systems. Dalton Transactions, 2015, 44, 13914-13925. | 1.6 | 42 |
| 86 | Oxaliplatin vs. cisplatin: competition experiments on their binding to lysozyme. Dalton Transactions, 2015, 44, 10392-10398. | 1.6 | 47 |
| 87 | Platinated oligomers of bovine pancreatic ribonuclease: Structure and stability. Journal of Inorganic Biochemistry, 2015, 146, 37-43. | 1.5 | 24 |
| 88 | Missing gold atoms in lysozyme crystals used to grow gold nanoparticles. Nature Nanotechnology, 2015, 10, 285-285. | 15.6 | 13 |
| 89 | Cisplatin binding to human serum albumin: a structural study. Chemical Communications, 2015, 51, 9436-9439. | 2.2 | 115 |
| 90 | Platinum(II) Complexes with O,S Bidentate Ligands: Biophysical Characterization, Antiproliferative Activity, and Crystallographic Evidence of Protein Binding. Inorganic Chemistry, 2015, 54, 8560-8570. | 1.9 | 37 |

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|---|---|---|---|
| 91 | Fusion of raft-like lipid bilayers operated by a membranotropic domain of the HSV-type I glycoprotein gH occurs through a cholesterol-dependent mechanism. Soft Matter, 2015, 11, 3003-3016. | 1.2 | 50 |
| 92 | Structural and denaturation studies of two mutants of a cold adapted superoxide dismutase point to the importance of electrostatic interactions in protein stability. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 632-640. | 1.1 | 6 |
| 93 | Molecular bases of protein halotolerance. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 850-858. | 1.1 | 105 |
| 94 | A regular thymine tetrad and a peculiar supramolecular assembly in the first crystal structure of an all-LNA G-quadruplex. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 362-370. | 2.5 | 11 |
| 95 | Unusual Structural Features in the Lysozyme Derivative of the Tetrakis(acetato)chloridodiruthenium(II,III) Complex. Angewandte Chemie - International Edition, 2014, 53, 6172-6175. | 7.2 | 57 |
| 96 | Interactions of gold-based drugs with proteins: crystal structure of the adduct formed between ribonuclease A and a cytotoxic gold(iii) compound. Metallomics, 2014, 6, 233-236. | 1.0 | 49 |
| 97 | Cisplatin Binding to Proteins: Molecular Structure of the Ribonuclease A Adduct. Inorganic Chemistry, 2014, 53, 3929-3931. | 1.9 | 63 |
| 98 | Ruthenium metalation of proteins: the X-ray structure of the complex formed between NAMI-A and hen egg white lysozyme. Dalton Transactions, 2014, 43, 6128. | 1.6 | 57 |
| 99 | The X-ray structure of the complex formed in the reaction between oxaliplatin and lysozyme. Chemical Communications, 2014, 50, 8360. | 2.2 | 40 |
| 100 | Structural modifications induced by the switch from an endogenous bis-histidyl to an exogenous cyanomet hexa-coordination in a tetrameric haemoglobin. RSC Advances, 2014, 4, 25852-25856. | 1.7 | 2 |
| 101 | Î³-Glutamyl transpeptidase architecture: Effect of extra sequence deletion on autoprocessing, structure and stability of the protein from Bacillus licheniformis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2290-2297. | 1.1 | 15 |
| 102 | Interaction between Proteins and Ir Based CO Releasing Molecules: Mechanism of Adduct Formation and CO Release. Inorganic Chemistry, 2014, 53, 10456-10462. | 1.9 | 22 |
| 103 | Protein Recognition of Gold-Based Drugs: 3D Structure of the Complex Formed When Lysozyme Reacts with Aubipy<sup>c</sup>. ACS Medicinal Chemistry Letters, 2014, 5, 1110-1113. | 1.3 | 33 |
| 104 | Interactions between Anticancer trans-Platinum Compounds and Proteins: Crystal Structures and ESI-MS Spectra of Two Protein Adducts of trans-(Dimethylamino)(methylamino)dichloridoplatinum(II). Inorganic Chemistry, 2014, 53, 7806-7808. | 1.9 | 29 |
| 105 | Interactions of gold-based drugs with proteins: the structure and stability of the adduct formed in the reaction between lysozyme and the cytotoxic gold(iii) compound Auoxo3. Dalton Transactions, 2014, 43, 17483-17488. | 1.6 | 43 |
| 106 | Reaction of Hg2+ Insertion into Cysteine Pairs Within Bovine Insulin Crystals Followed via Raman Spectroscopy. Journal of Solution Chemistry, 2014, 43, 135-143. | 0.6 | 1 |
| 107 | Low resolution X-ray structure of Î³-glutamyltranspeptidase from Bacillus licheniformis: Opened active site cleft and a cluster of acid residues potentially involved in the recognition of a metal ion. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1523-1529. | 1.1 | 20 |
| 108 | Comments onStructural studies of haemoglobin from pisces species shortfin mako shark (Isurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6<br>Synchrotron Radiation, 2014, 21, 832-833. | 1.0 | 1 |

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|---|---|---|---|
| 109 | Interaction of Anticancer Ruthenium Compounds with Proteins: High-Resolution X-ray Structures and Raman Microscopy Studies of the Adduct between Hen Egg White Lysozyme and AziRu. Inorganic Chemistry, 2013, 52, 4157-4159. | 1.9 | 67 |
| 110 | The multiple forms of bovine seminal ribonuclease: Structure and stability of a Câ€terminal swapped dimer. FEBS Letters, 2013, 587, 3755-3762. | 1.3 | 8 |
| 111 | Molecular basis of the NO trans influence in quaternary Tâ€state human hemoglobin: A computational study. FEBS Letters, 2013, 587, 2393-2398. | 1.3 | 5 |
| 112 | The mode of action of anticancer gold-based drugs: a structural perspective. Chemical Communications, 2013, 49, 10100. | 2.2 | 76 |
| 113 | An Overview of Biological Macromolecule Crystallization. International Journal of Molecular Sciences, 2013, 14, 11643-11691. | 1.8 | 108 |
| 114 | Cholesterol modulates the fusogenic activity of a membranotropic domain of the FIV glycoprotein gp36. Soft Matter, 2013, 9, 6442. | 1.2 | 25 |
| 115 | Investigating the Ruthenium Metalation of Proteins: X-ray Structure and Raman Microspectroscopy of the Complex between RNase A and AziRu. Inorganic Chemistry, 2013, 52, 10714-10716. | 1.9 | 42 |
| 116 | Role of tertiary structures on the Root effect in fish hemoglobins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1885-1893. | 1.1 | 9 |
| 117 | Structural and functional relationships of natural and artificial dimeric bovine ribonucleases: New scaffolds for potential antitumor drugs. FEBS Letters, 2013, 587, 3601-3608. | 1.3 | 27 |
| 118 | Selective X-ray-induced NO photodissociation in haemoglobin crystals: evidence from a Raman-assisted crystallographic study. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 137-140. | 2.5 | 15 |
| 119 | Effect of NaCl on the conformational stability of the thermophilic Î³-glutamyltranspeptidase from Geobacillus thermodenitrificans: Implication for globular protein halotolerance. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 149-157. | 1.1 | 21 |
| 120 | Duplexâ€“quadruplex motifs in a peculiar structural organization cooperatively contribute to thrombin binding of a DNA aptamer. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2403-2411. | 2.5 | 70 |
| 121 | The structure of the CD3 Î¶Î¶ transmembrane dimer in POPC and raft-like lipid bilayer: A molecular dynamics study. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2637-2645. | 1.4 | 9 |
| 122 | Peculiar Features in the Crystal Structure of the Adduct Formed between cis-PtI<sub>2</sub>(NH<sub>3</sub>)<sub>2</sub> and Hen Egg White Lysozyme. Inorganic Chemistry, 2013, 52, 13827-13829. | 1.9 | 56 |
| 123 | Three-dimensional domain swapping and supramolecular protein assembly: insights from the X-ray structure of a dimeric swapped variant of human pancreatic RNase. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2116-2123. | 2.5 | 14 |
| 124 | Heterogeneous nucleation helps the search for initial crystallization conditions of Î³-glutamyl transpeptidase fromBacillus licheniformis. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 669-672. | 0.7 | 3 |
| 125 | A novel interdomain interface in crystallins: structural characterization of the Î²Î³-crystallin fromGeodia cydoniumat 0.99â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 960-967. | 2.5 | 6 |
| 126 | Dissecting the contribution of thrombin exosite I in the recognition of thrombin binding aptamer. FEBS Journal, 2013, 280, 6581-6588. | 2.2 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Gamma-Glutamyl Transpeptidases: Structure and Function. SpringerBriefs in Biochemistry and Molecular Biology, 2013, , 1-57. | 0.3 | 10 |
| 128 | Bovine Seminal Ribonuclease and Its Special Features: When Two is Better Than One. , 2013, , 93-113. | | 0 |
| 129 | Increasing the X-ray Diffraction Power of Protein Crystals by Dehydration: The Case of Bovine Serum Albumin and a Survey of Literature Data. International Journal of Molecular Sciences, 2012, 13, 3782-3800. | 1.8 | 46 |
| 130 | ATP regulation of the ligand-binding properties in temperate and cold-adapted haemoglobins. X-ray structure and ligand-binding kinetics in the sub-Antarctic fish Eleginops maclovinus. Molecular BioSystems, 2012, 8, 3295. | 2.9 | 12 |
| 131 | High-resolution structures of two complexes between thrombin and thrombin-binding aptamer shed light on the role of cations in the aptamer inhibitory activity. Nucleic Acids Research, 2012, 40, 8119-8128. | 6.5 | 221 |
| 132 | Destabilization of Lipid Membranes by a Peptide Derived from Glycoprotein gp36 of Feline Immunodeficiency Virus: A Combined Molecular Dynamics/Experimental Study. Journal of Physical Chemistry B, 2012, 116, 401-412. | 1.2 | 24 |
| 133 | Exploring the unfolding mechanism of Î³-glutamyltranspeptidases: The case of the thermophilic enzyme from Geobacillus thermodenitrificans. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 571-577. | 1.1 | 17 |
| 134 | Identification of an active dimeric intermediate populated during the unfolding process of the cambialistic superoxide dismutase from Streptococcus mutans. Biochimie, 2012, 94, 768-775. | 1.3 | 4 |
| 135 | Role of the tertiary and quaternary structure in the formation of bis-histidyl adducts in cold-adapted hemoglobins. Biochimie, 2012, 94, 953-960. | 1.3 | 12 |
| 136 | Chain termini cross-talk in the swapping process of bovine pancreatic ribonuclease. Biochimie, 2012, 94, 1108-1118. | 1.3 | 9 |
| 137 | Î³-Glutamyltranspeptidases: sequence, structure, biochemical properties, and biotechnological applications. Cellular and Molecular Life Sciences, 2012, 69, 3381-3394. | 2.4 | 121 |
| 138 | A new RNase sheds light on the RNase/angiogenin subfamily from zebrafish. Biochemical Journal, 2011, 433, 345-355. | 1.7 | 38 |
| 139 | A novel ErbB2 epitope targeted by human antitumor immunoagents. FEBS Journal, 2011, 278, 1156-1166. | 2.2 | 12 |
| 140 | Gene cloning and protein expression of Î³-glutamyltranspeptidases from Thermus thermophilus and Deinococcus radiodurans: comparison of molecular and structural properties with mesophilic counterparts. Extremophiles, 2011, 15, 259-270. | 0.9 | 34 |
| 141 | Protonation of histidine 55 affects the oxygen access to heme in the alpha chain of the hemoglobin from the Antarctic fish Trematomus bernacchii. IUBMB Life, 2011, 63, 175-182. | 1.5 | 14 |
| 142 | Occurrence and formation of endogenous histidine hexaâ€coordination in coldâ€adapted hemoglobins. IUBMB Life, 2011, 63, 295-303. | 1.5 | 14 |
| 143 | Thrombinâ€“aptamer recognition: a revealed ambiguity. Nucleic Acids Research, 2011, 39, 7858-7867. | 6.5 | 138 |
| 144 | Improving Protein Crystal Quality by the Without-Oil Microbatch Method: Crystallization and Preliminary X-ray Diffraction Analysis of Glutathione Synthetase from Pseudoalteromonas haloplanktis. International Journal of Molecular Sciences, 2011, 12, 6312-6319. | 1.8 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Crystallization and preliminary X-ray analysis of the complex of human Î±-thrombin with a modified thrombin-binding aptamer. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 961-963. | 0.7 | 15 |
| 146 | Crystallization, preliminary X-ray diffraction studies and Raman microscopy of the major haemoglobin from the sub-Antarctic fishEleginops maclovinusin the carbomonoxy form. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1536-1540. | 0.7 | 9 |
| 147 | An evolutionary conserved motif is responsible for Immunoglobulin heavy chain packing in the B cell membrane. Molecular Phylogenetics and Evolution, 2010, 57, 1238-1244. | 1.2 | 7 |
| 148 | An Order-Disorder Transition Plays a Role in Switching Off the Root Effect in Fish Hemoglobins. Journal of Biological Chemistry, 2010, 285, 32568-32575. | 1.6 | 31 |
| 149 | Raman-assisted X-ray Biocrystallography. , 2010, , . | | 0 |
| 150 | Free-Energy Profile for CO Binding to Separated Chains of Human and Trematomus newnesi Hemoglobin: Insights from Molecular Dynamics Simulations and Perturbed Matrix Method. Journal of Physical Chemistry B, 2010, 114, 7002-7008. | 1.2 | 7 |
| 151 | Structure and flexibility in cold-adapted iron superoxide dismutases: The case of the enzyme isolated from Pseudoalteromonas haloplanktis. Journal of Structural Biology, 2010, 172, 343-352. | 1.3 | 73 |
| 152 | Biochemical and structural properties of gamma-glutamyl transpeptidase from Geobacillus thermodenitrificans: An enzyme specialized in hydrolase activity. Biochimie, 2010, 92, 464-474. | 1.3 | 48 |
| 153 | A novel germline mutation in Peroxisome Proliferator-Activated Receptor Î³ gene associated with large intestine polyp formation and dyslipidemia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 572-581. | 1.8 | 19 |
| 154 | Structural features for the mechanism of antitumor action of a dimeric human pancreatic ribonuclease variant. Protein Science, 2009, 18, 50-57. | 3.1 | 15 |
| 155 | Toward an antitumor form of bovine pancreatic ribonuclease: The crystal structure of three noncovalent dimeric mutants. Biopolymers, 2009, 91, 1029-1037. | 1.2 | 15 |
| 156 | Combined crystallographic and spectroscopic analysis of Trematomus bernacchii hemoglobin highlights analogies and differences in the peculiar oxidation pathway of Antarctic fish hemoglobins. Biopolymers, 2009, 91, 1117-1125. | 1.2 | 21 |
| 157 | Correlation between Hemichrome Stability and the Root Effect in Tetrameric Hemoglobins. Biophysical Journal, 2009, 97, 866-874. | 0.2 | 28 |
| 158 | The bis-histidyl complex in hemoproteins: A detailed conformational analysis of database protein structures and the case of Antarctic fish hemoglobins. Marine Genomics, 2009, 2, 51-56. | 0.4 | 9 |
| 159 | Structure and dimerization of the teleost transmembrane immunoglobulin region. Journal of Molecular Graphics and Modelling, 2008, 27, 401-407. | 1.3 | 9 |
| 160 | Correlation between Raman and X-ray crystallography data of (Pro-Pro-Gly)10. Biophysical Chemistry, 2008, 137, 24-27. | 1.5 | 12 |
| 161 | A novel method for detection of selenomethionine incorporation in protein crystalsviaRaman microscopy. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 167-171. | 2.5 | 22 |
| 162 | The Buried Diversity of Bovine Seminal Ribonuclease: Shape and Cytotoxicity of the Swapped Non-covalent Form of the Enzyme. Journal of Molecular Biology, 2008, 376, 427-437. | 2.0 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Spectroscopic and Crystallographic Characterization of a Tetrameric Hemoglobin Oxidation Reveals Structural Features of the Functional Intermediate Relaxed/Tense State. Journal of the American Chemical Society, 2008, 130, 10527-10535. | 6.6 | 46 |
| 164 | Crystallization and Preliminary X-Ray Diffraction Studies of a Psychrophilic Iron Superoxide Dismutase from Pseudoalteromonas haloplanktis. Protein and Peptide Letters, 2008, 15, 415-418. | 0.4 | 6 |
| 165 | Reduction of ferric hemoglobin fromTrematomus bernacchiiin a partial bis-histidyl state produces a deoxy coordination even when encapsulated into the crystal phase. Spectroscopy, 2008, 22, 143-152. | 0.8 | 14 |
| 166 | Approximate Values for Force Constant and Wave Number Associated with a Low-Frequency Concerted Motion in Proteins Can Be Evaluated by a Comparison of X-ray Structures. Journal of Physical Chemistry B, 2007, 111, 5483-5486. | 1.2 | 5 |
| 167 | Structural Characterization of Ferric Hemoglobins from Three Antarctic Fish Species of the Suborder Notothenioidei. Biophysical Journal, 2007, 93, 2822-2829. | 0.2 | 45 |
| 168 | Polyglutamine repeats and Î²-helix structure: Molecular dynamics study. Proteins: Structure, Function and Bioinformatics, 2006, 63, 918-927. | 1.5 | 30 |
| 169 | High resolution crystal structure of deoxy hemoglobin from Trematomus bernacchii at different pH values: The role of histidine residues in modulating the strength of the root effect. Proteins: Structure, Function and Bioinformatics, 2006, 65, 490-498. | 1.5 | 45 |
| 170 | S-adenosylhomocysteine hydrolase from the archaeon Pyrococcus furiosus: Biochemical characterization and analysis of protein structure by comparative molecular modeling. Proteins: Structure, Function and Bioinformatics, 2005, 58, 815-825. | 1.5 | 13 |
| 171 | Minimal structural requirements for root effect: Crystal structure of the cathodic hemoglobin isolated from the antarctic fish Trematomus newnesi. Proteins: Structure, Function and Bioinformatics, 2005, 62, 316-321. | 1.5 | 49 |
| 172 | The Importance of Dynamic Effects on the Enzyme Activity. Journal of Biological Chemistry, 2005, 280, 17953-17960. | 1.6 | 49 |
| 173 | Open Interface and Large Quaternary Structure Movements in 3D Domain Swapped Proteins: Insights from Molecular Dynamics Simulations of the C-Terminal Swapped Dimer of Ribonuclease A. Biophysical Journal, 2005, 88, 2003-2012. | 0.2 | 26 |
| 174 | Structure and Stability of the Non-covalent Swapped Dimer of Bovine Seminal Ribonuclease. Journal of Biological Chemistry, 2004, 279, 36753-36760. | 1.6 | 33 |
| 175 | Structural and dynamic effects of Î±-Helix deletion in Sso7d: Implications for protein thermal stability. Proteins: Structure, Function and Bioinformatics, 2004, 57, 692-701. | 1.5 | 24 |
| 176 | Population shift vs induced fit: The case of bovine seminal ribonuclease swapping dimer. Biopolymers, 2004, 73, 689-695. | 1.2 | 19 |
| 177 | Dynamic Properties of the N-Terminal Swapped Dimer of Ribonuclease A. Biophysical Journal, 2004, 86, 2383-2391. | 0.2 | 48 |
| 178 | Subtle functional collective motions in pancreatic-like ribonucleases: From ribonuclease A to angiogenin. Proteins: Structure, Function and Bioinformatics, 2003, 53, 101-110. | 1.5 | 64 |
| 179 | Global and local motions in ribonuclease A: A molecular dynamics study. Biopolymers, 2002, 65, 274-283. | 1.2 | 56 |
| 180 | Reversible substrate-induced domain motions in ribonuclease A. Proteins: Structure, Function and Bioinformatics, 2002, 46, 97-104. | 1.5 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Productive and nonproductive binding to ribonuclease A: Xâ€ray structure of two complexes with uridylyl(2â€²,5â€²)guanosine. Protein Science, 2000, 9, 1217-1225. | 3.1 | 62 |
| 182 | A potential allosteric subsite generated by domain swapping in bovine seminal ribonuclease 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1999, 293, 569-577. | 2.0 | 48 |
| 183 | Halo complexes of gold(I) containing glycoconjugate carbene ligands: synthesis, characterization, cytotoxicity and interaction with protein and DNA model systems. Dalton Transactions, 0, , . | 1.6 | 6 |