

Antonello Merlino

List of Publications by Year in descending order

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183
papers

5,314
citations

76326

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138484

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186
docs citations

186
times ranked

4809
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution structures of two complexes between thrombin and thrombin-binding aptamer shed light on the role of cations in the aptamer inhibitory activity. <i>Nucleic Acids Research</i> , 2012, 40, 8119-8128.	14.5	221
2	Thrombinâ€‘aptamer recognition: a revealed ambiguity. <i>Nucleic Acids Research</i> , 2011, 39, 7858-7867.	14.5	138
3	Cisplatin binding to proteins: A structural perspective. <i>Coordination Chemistry Reviews</i> , 2016, 315, 67-89.	18.8	126
4	Î³-Glutamyltranspeptidases: sequence, structure, biochemical properties, and biotechnological applications. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3381-3394.	5.4	121
5	Cisplatin binding to human serum albumin: a structural study. <i>Chemical Communications</i> , 2015, 51, 9436-9439.	4.1	115
6	An Overview of Biological Macromolecule Crystallization. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11643-11691.	4.1	108
7	Molecular bases of protein halotolerance. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 850-858.	2.3	105
8	Interactions between proteins and Ru compounds of medicinal interest: A structural perspective. <i>Coordination Chemistry Reviews</i> , 2016, 326, 111-134.	18.8	101
9	The mode of action of anticancer gold-based drugs: a structural perspective. <i>Chemical Communications</i> , 2013, 49, 10100.	4.1	76
10	Structure and flexibility in cold-adapted iron superoxide dismutases: The case of the enzyme isolated from <i>Pseudoalteromonas haloplanktis</i> . <i>Journal of Structural Biology</i> , 2010, 172, 343-352.	2.8	73
11	Duplexâ€‘quadruplex motifs in a peculiar structural organization cooperatively contribute to thrombin binding of a DNA aptamer. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2403-2411.	2.5	70
12	Protein Metalation by Anticancer Metallodrugs: A Joint ESI MS and XRD Investigative Strategy. <i>Chemistry - A European Journal</i> , 2017, 23, 6942-6947.	3.3	69
13	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. <i>Inorganic Chemistry</i> , 2013, 52, 4157-4159.	4.0	67
14	Subtle functional collective motions in pancreatic-like ribonucleases: From ribonuclease A to angiogenin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 53, 101-110.	2.6	64
15	Cisplatin Binding to Proteins: Molecular Structure of the Ribonuclease A Adduct. <i>Inorganic Chemistry</i> , 2014, 53, 3929-3931.	4.0	63
16	Productive and nonproductive binding to ribonuclease A: Xâ€‘ray structure of two complexes with uridylyl(2â€‘,5â€‘)guanosine. <i>Protein Science</i> , 2000, 9, 1217-1225.	7.6	62
17	Reversible substrate-induced domain motions in ribonuclease A. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 46, 97-104.	2.6	62
18	Protein metalation by metal-based drugs: X-ray crystallography and mass spectrometry studies. <i>Chemical Communications</i> , 2017, 53, 11622-11633.	4.1	60

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19	Unusual Structural Features in the Lysozyme Derivative of the Tetrakis(acetato)chloridodiruthenium(II,III) Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6172-6175.	13.8	57
20	Ruthenium metalation of proteins: the X-ray structure of the complex formed between NAMI-A and hen egg white lysozyme. <i>Dalton Transactions</i> , 2014, 43, 6128.	3.3	57
21	Cisplatin encapsulation within a ferritin nanocage: a high-resolution crystallographic study. <i>Chemical Communications</i> , 2016, 52, 4136-4139.	4.1	57
22	Global and local motions in ribonuclease A: A molecular dynamics study. <i>Biopolymers</i> , 2002, 65, 274-283.	2.4	56
23	Peculiar Features in the Crystal Structure of the Adduct Formed between $\text{cis-Pt}(\text{NH}_3)_2(\text{NH}_3)_2$ and Hen Egg White Lysozyme. <i>Inorganic Chemistry</i> , 2013, 52, 13827-13829.	4.0	56
24	Fusion of raft-like lipid bilayers operated by a membranotropic domain of the HSV-type I glycoprotein gH occurs through a cholesterol-dependent mechanism. <i>Soft Matter</i> , 2015, 11, 3003-3016.	2.7	50
25	Minimal structural requirements for root effect: Crystal structure of the cathodic hemoglobin isolated from the antarctic fish <i>Trematomus newnesi</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 316-321.	2.6	49
26	The Importance of Dynamic Effects on the Enzyme Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 17953-17960.	3.4	49
27	Interactions of gold-based drugs with proteins: crystal structure of the adduct formed between ribonuclease A and a cytotoxic gold(III) compound. <i>Metallomics</i> , 2014, 6, 233-236.	2.4	49
28	A potential allosteric subsite generated by domain swapping in bovine seminal ribonuclease 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 293, 569-577.	4.2	48
29	Dynamic Properties of the N-Terminal Swapped Dimer of Ribonuclease A. <i>Biophysical Journal</i> , 2004, 86, 2383-2391.	0.5	48
30	Biochemical and structural properties of gamma-glutamyl transpeptidase from <i>Geobacillus thermodenitrificans</i> : An enzyme specialized in hydrolase activity. <i>Biochimie</i> , 2010, 92, 464-474.	2.6	48
31	Oxaliplatin vs. cisplatin: competition experiments on their binding to lysozyme. <i>Dalton Transactions</i> , 2015, 44, 10392-10398.	3.3	47
32	Cytotoxic properties of a new organometallic platinum(II) complex and its gold(I) heterobimetallic derivatives. <i>Dalton Transactions</i> , 2016, 45, 579-590.	3.3	47
33	Spectroscopic and Crystallographic Characterization of a Tetrameric Hemoglobin Oxidation Reveals Structural Features of the Functional Intermediate Relaxed/Tense State. <i>Journal of the American Chemical Society</i> , 2008, 130, 10527-10535.	13.7	46
34	Increasing the X-ray Diffraction Power of Protein Crystals by Dehydration: The Case of Bovine Serum Albumin and a Survey of Literature Data. <i>International Journal of Molecular Sciences</i> , 2012, 13, 3782-3800.	4.1	46
35	High resolution crystal structure of deoxy hemoglobin from <i>Trematomus bernacchii</i> at different pH values: The role of histidine residues in modulating the strength of the root effect. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 490-498.	2.6	45
36	Structural Characterization of Ferric Hemoglobins from Three Antarctic Fish Species of the Suborder Notothenioidei. <i>Biophysical Journal</i> , 2007, 93, 2822-2829.	0.5	45

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37	Dissecting the contribution of thrombin exosite I in the recognition of thrombin binding aptamer. FEBS Journal, 2013, 280, 6581-6588.	4.7	44
38	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.	3.3	43
39	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.	3.5	43
40	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.	4.1	43
41	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.	4.0	42
42	Interaction of anticancer Ru(iii) complexes with single stranded and duplex DNA model systems. Dalton Transactions, 2015, 44, 13914-13925.	3.3	42
43	The X-ray structure of the complex formed in the reaction between oxaliplatin and lysozyme. Chemical Communications, 2014, 50, 8360.	4.1	40
44	Arsenoplatin-1 Is a Dual Pharmacophore Anticancer Agent. Journal of the American Chemical Society, 2019, 141, 6453-6457.	13.7	40
45	Gold metalation of proteins: Structural studies. Coordination Chemistry Reviews, 2020, 407, 213175.	18.8	40
46	A new RNase sheds light on the RNase/angiogenin subfamily from zebrafish. Biochemical Journal, 2011, 433, 345-355.	3.7	38
47	Sweeter and stronger: enhancing sweetness and stability of the single chain monellin MNEI through molecular design. Scientific Reports, 2016, 6, 34045.	3.3	38
48	Platinum(II) Complexes with O,S Bidentate Ligands: Biophysical Characterization, Antiproliferative Activity, and Crystallographic Evidence of Protein Binding. Inorganic Chemistry, 2015, 54, 8560-8570.	4.0	37
49	Ferritin nanocages loaded with gold ions induce oxidative stress and apoptosis in MCF-7 human breast cancer cells. Dalton Transactions, 2017, 46, 15354-15362.	3.3	37
50	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.	4.2	35
51	Gene cloning and protein expression of \hat{t}^3 -glutamyltranspeptidases from Thermus thermophilus and Deinococcus radiodurans: comparison of molecular and structural properties with mesophilic counterparts. Extremophiles, 2011, 15, 259-270.	2.3	34
52	Structural Characterization of a Gold/Serum Albumin Complex. Inorganic Chemistry, 2019, 58, 10616-10619.	4.0	34
53	Structure and Stability of the Non-covalent Swapped Dimer of Bovine Seminal Ribonuclease. Journal of Biological Chemistry, 2004, 279, 36753-36760.	3.4	33
54	Protein Recognition of Gold-Based Drugs: 3D Structure of the Complex Formed When Lysozyme Reacts with Aubipy^c. ACS Medicinal Chemistry Letters, 2014, 5, 1110-1113.	2.8	33

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55	Ferritin-based anticancer metallodrug delivery: Crystallographic, analytical and cytotoxicity studies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 20, 101997.	3.3	33
56	A first-in-class and a fished out anticancer platinum compound: cis-[PtCl ₂ (NH ₃) ₂] and cis-[Pt ₂ (NH ₃) ₂] compared for their reactivity towards DNA model systems. <i>Dalton Transactions</i> , 2016, 45, 8587-8600.	3.3	32
57	Pt(II) versus Pt(IV) in Carbene Glycoconjugate Antitumor Agents: Minimal Structural Variations and Great Performance Changes. <i>Inorganic Chemistry</i> , 2020, 59, 4002-4014.	4.0	32
58	An Order-Disorder Transition Plays a Role in Switching Off the Root Effect in Fish Hemoglobins. <i>Journal of Biological Chemistry</i> , 2010, 285, 32568-32575.	3.4	31
59	The X-ray structure of the primary adducts formed in the reaction between cisplatin and cytochrome c. <i>Chemical Communications</i> , 2015, 51, 2559-2561.	4.1	31
60	Unusual mode of protein binding by a cytotoxic η^5 -arene ruthenium(π) piano-stool compound containing an O,S-chelating ligand. <i>Dalton Transactions</i> , 2016, 45, 12283-12287.	3.3	31
61	Principles and methods used to grow and optimize crystals of protein-metalloadducts, to determine metal binding sites and to assign metal ligands. <i>Metallomics</i> , 2017, 9, 1534-1547.	2.4	31
62	Platinum(II) O,S Complexes Inhibit the Aggregation of Amyloid Model Systems. <i>International Journal of Molecular Sciences</i> , 2019, 20, 829.	4.1	31
63	Polyglutamine repeats and β^2 -helix structure: Molecular dynamics study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 918-927.	2.6	30
64	Interactions between Anticancer <i>trans</i> -Platinum Compounds and Proteins: Crystal Structures and ESI-MS Spectra of Two Protein Adducts of <i>trans</i> -(Dimethylamino)(methylamino)dichloridoplatinum(II). <i>Inorganic Chemistry</i> , 2014, 53, 7806-7808.	4.0	29
65	Ru-Based CO releasing molecules with azole ligands: interaction with proteins and the CO release mechanism disclosed by X-ray crystallography. <i>Dalton Transactions</i> , 2017, 46, 9621-9629.	3.3	29
66	Recent advances in protein metalation: structural studies. <i>Chemical Communications</i> , 2021, 57, 1295-1307.	4.1	29
67	Protein interactions of dirhodium tetraacetate: a structural study. <i>Dalton Transactions</i> , 2020, 49, 2412-2416.	3.3	29
68	Correlation between Hemichrome Stability and the Root Effect in Tetrameric Hemoglobins. <i>Biophysical Journal</i> , 2009, 97, 866-874.	0.5	28
69	Effect of temperature on the interaction of cisplatin with the model protein hen egg white lysozyme. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 433-442.	2.6	28
70	Five-Coordinate Platinum(II) Compounds Containing Sugar Ligands: Synthesis, Characterization, Cytotoxic Activity, and Interaction with Biological Macromolecules. <i>Inorganic Chemistry</i> , 2018, 57, 3133-3143.	4.0	28
71	A highly efficient and selective antitumor agent based on a glucoconjugated carbene platinum(π) complex. <i>Dalton Transactions</i> , 2019, 48, 7794-7800.	3.3	28
72	Structural and functional relationships of natural and artificial dimeric bovine ribonucleases: New scaffolds for potential antitumor drugs. <i>FEBS Letters</i> , 2013, 587, 3601-3608.	2.8	27

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73	First Crystal Structure for a Gold Carbene-Protein Adduct. <i>Bioconjugate Chemistry</i> , 2016, 27, 1584-1587.	3.6	27
74	{Ru(CO) _x }-Core complexes with benzimidazole ligands: synthesis, X-ray structure and evaluation of anticancer activity in vivo. <i>Dalton Transactions</i> , 2017, 46, 3025-3040.	3.3	27
75	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. <i>Biophysical Journal</i> , 2005, 88, 2003-2012.	0.5	26
76	Cisplatin-Protein Interactions: Unexpected Drug Binding to N-Terminal Amine and Lysine Side Chains. <i>Inorganic Chemistry</i> , 2016, 55, 7814-7816.	4.0	26
77	Cisplatin Binding Sites in Human H-Chain Ferritin. <i>Inorganic Chemistry</i> , 2017, 56, 9064-9070.	4.0	26
78	Cholesterol modulates the fusogenic activity of a membranotropic domain of the FIV glycoprotein gp36. <i>Soft Matter</i> , 2013, 9, 6442.	2.7	25
79	Structural and dynamic effects of \pm -Helix deletion in Sso7d: Implications for protein thermal stability. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 692-701.	2.6	24
80	Destabilization of Lipid Membranes by a Peptide Derived from Glycoprotein gp36 of Feline Immunodeficiency Virus: A Combined Molecular Dynamics/Experimental Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 401-412.	2.6	24
81	Platinated oligomers of bovine pancreatic ribonuclease: Structure and stability. <i>Journal of Inorganic Biochemistry</i> , 2015, 146, 37-43.	3.5	24
82	The maturation mechanism of γ -glutamyl transpeptidases: Insights from the crystal structure of a precursor mimic of the enzyme from <i>Bacillus licheniformis</i> and from site-directed mutagenesis studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 195-203.	2.3	24
83	The NAMI A human ferritin system: a biophysical characterization. <i>Dalton Transactions</i> , 2018, 47, 11429-11437.	3.3	24
84	Five-Coordinate Platinum(II) Compounds as Potential Anticancer Agents. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 918-929.	2.0	24
85	Protein conformational perturbations in hereditary amyloidosis: Differential impact of single point mutations in ApoA1 amyloidogenic variants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 434-444.	2.4	23
86	Mitochondria Targeting with Luminescent Rhenium(I) Complexes. <i>Molecules</i> , 2017, 22, 809.	3.8	23
87	Caged noble metals: Encapsulation of a cytotoxic platinum(II)-gold(I) compound within the ferritin nanocage. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 1116-1121.	7.5	23
88	A novel method for detection of selenomethionine incorporation in protein crystals via Raman microscopy. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 167-171.	2.5	22
89	Interaction between Proteins and Ir Based CO Releasing Molecules: Mechanism of Adduct Formation and CO Release. <i>Inorganic Chemistry</i> , 2014, 53, 10456-10462.	4.0	22
90	A driving force for polypeptide and protein collapse. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 751-756.	2.8	22

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91	A case of extensive protein platination: the reaction of lysozyme with a Pt(II)-terpyridine complex. Dalton Transactions, 2018, 47, 8716-8723.	3.3	22
92	Encapsulation of the Dinuclear Trithiolato-Bridged Arene Ruthenium Complex Diruthenium(II) in an Apoferritin Nanocage: Structure and Cytotoxicity. ChemMedChem, 2019, 14, 594-602.	3.2	22
93	Combined crystallographic and spectroscopic analysis of <i>Trematomus bernacchii</i> hemoglobin highlights analogies and differences in the peculiar oxidation pathway of Antarctic fish hemoglobins. Biopolymers, 2009, 91, 1117-1125.	2.4	21
94	Effect of NaCl on the conformational stability of the thermophilic β -glutamyltranspeptidase from <i>Geobacillus thermodenitrificans</i> : Implication for globular protein halotolerance. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 149-157.	2.3	21
95	X-ray Structure of the Carboplatin-Loaded Apo-Ferritin Nanocage. ACS Medicinal Chemistry Letters, 2017, 8, 433-437.	2.8	21
96	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.	3.8	21
97	A thermophilic C-phycocyanin with unprecedented biophysical and biochemical properties. International Journal of Biological Macromolecules, 2020, 150, 38-51.	7.5	21
98	Low resolution X-ray structure of β -glutamyltranspeptidase from <i>Bacillus licheniformis</i> : 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.	2.3	20
99	C-Glycosylation in platinum-based agents: a viable strategy to improve cytotoxicity and selectivity. Inorganic Chemistry Frontiers, 2018, 5, 2921-2933.	6.0	20
100	Exploring the interactions between model proteins and Pd(II) or Pt(II) compounds bearing charged N-pyridylbenzimidazole bidentate ligands by X-ray crystallography. Dalton Transactions, 2018, 47, 10130-10138.	3.3	20
101	Population shift vs induced fit: The case of bovine seminal ribonuclease swapping dimer. Biopolymers, 2004, 73, 689-695.	2.4	19
102	A novel germline mutation in Peroxisome Proliferator-Activated Receptor β gene associated with large intestine polyp formation and dyslipidemia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 572-581.	3.8	19
103	Modulation of Amyloidogenic Peptide Aggregation by Photoactivatable CO-Releasing Ruthenium(II) Complexes. Pharmaceuticals, 2020, 13, 171.	3.8	19
104	Unusual Structural Features in the Adduct of Dirhodium Tetraacetate with Lysozyme. International Journal of Molecular Sciences, 2021, 22, 1496.	4.1	19
105	The interaction of rhodium compounds with proteins: A structural overview. Coordination Chemistry Reviews, 2021, 442, 213999.	18.8	19
106	X-ray structure of C-phycocyanin from <i>Galdieria phlegrea</i> : Determinants of thermostability and comparison with a C-phycocyanin in the entire phycobilisome. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148236.	1.0	18
107	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.	7.5	18
108	Mapping the protein-binding sites for iridium(III)-based CO-releasing molecules. Dalton Transactions, 2016, 45, 12206-12214.	3.3	18

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109	Glucosyl Platinum(II) Complexes Inhibit Aggregation of the C-Terminal Region of the A β 2 Peptide. <i>Inorganic Chemistry</i> , 2022, 61, 3540-3552.	4.0	18
110	Exploring the unfolding mechanism of β -glutamyltranspeptidases: The case of the thermophilic enzyme from <i>Geobacillus thermodenitrificans</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 571-577.	2.3	17
111	Protein-mediated disproportionation of Au(κ -P): insights from the structures of adducts of Au(κ -P) compounds bearing κ -N-pyridylbenzimidazole derivatives with lysozyme. <i>Dalton Transactions</i> , 2019, 48, 14027-14035.	3.3	17
112	Structural features for the mechanism of antitumor action of a dimeric human pancreatic ribonuclease variant. <i>Protein Science</i> , 2009, 18, 50-57.	7.6	15
113	Toward an antitumor form of bovine pancreatic ribonuclease: The crystal structure of three noncovalent dimeric mutants. <i>Biopolymers</i> , 2009, 91, 1029-1037.	2.4	15
114	Crystallization and preliminary X-ray analysis of the complex of human β -thrombin with a modified thrombin-binding aptamer. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 961-963.	0.7	15
115	Selective X-ray-induced NO photodissociation in haemoglobin crystals: evidence from a Raman-assisted crystallographic study. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 137-140.	2.5	15
116	β -Glutamyl transpeptidase architecture: Effect of extra sequence deletion on autoprocessing, structure and stability of the protein from <i>Bacillus licheniformis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2290-2297.	2.3	15
117	Fine tuning of metal-specific activity in the Mn-like group of cambialistic superoxide dismutases. <i>RSC Advances</i> , 2015, 5, 87876-87887.	3.6	15
118	Structural evidences for a secondary gold binding site in the hydrophobic box of lysozyme. <i>BioMetals</i> , 2015, 28, 745-754.	4.1	15
119	Platinum(κ -O,S) complexes as potential metallodrugs against Cisplatin resistance. <i>Dalton Transactions</i> , 2016, 45, 18876-18891.	3.3	15
120	A comparison study on RNase A oligomerization induced by cisplatin, carboplatin and oxaliplatin. <i>Journal of Inorganic Biochemistry</i> , 2017, 173, 105-112.	3.5	15
121	Reduction of ferric hemoglobin from <i>Trematomus bernacchii</i> in a partial bis-histidyl state produces a deoxy coordination even when encapsulated into the crystal phase. <i>Spectroscopy</i> , 2008, 22, 143-152.	0.8	14
122	Protonation of histidine 55 affects the oxygen access to heme in the alpha chain of the hemoglobin from the Antarctic fish <i>Trematomus bernacchii</i> . <i>IUBMB Life</i> , 2011, 63, 175-182.	3.4	14
123	Occurrence and formation of endogenous histidine hexacoordination in cold-adapted hemoglobins. <i>IUBMB Life</i> , 2011, 63, 295-303.	3.4	14
124	Three-dimensional domain swapping and supramolecular protein assembly: insights from the X-ray structure of a dimeric swapped variant of human pancreatic RNase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2116-2123.	2.5	14
125	Interaction of Platinum-based Drugs with Proteins: An Overview of Representative Crystallographic Studies. <i>Current Topics in Medicinal Chemistry</i> , 2021, 21, 6-27.	2.1	14
126	S-adenosylhomocysteine hydrolase from the archaeon <i>Pyrococcus furiosus</i> : Biochemical characterization and analysis of protein structure by comparative molecular modeling. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 58, 815-825.	2.6	13

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127	Missing gold atoms in lysozyme crystals used to grow gold nanoparticles. <i>Nature Nanotechnology</i> , 2015, 10, 285-285.	31.5	13
128	Reactions of a tetranuclear Pt-thiosemicarbazone complex with model proteins. <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 11-17.	3.5	13
129	pH driven fibrillar aggregation of the super-sweet protein Y65R-MNEI: A step-by-step structural analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 808-815.	2.4	13
130	Correlation between Raman and X-ray crystallography data of (Pro-Pro-Gly) ₁₀ . <i>Biophysical Chemistry</i> , 2008, 137, 24-27.	2.8	12
131	A novel ErbB2 epitope targeted by human antitumor immunoagents. <i>FEBS Journal</i> , 2011, 278, 1156-1166.	4.7	12
132	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 <i>Eleginops maclovinus</i> . <i>Molecular BioSystems</i> , 2012, 8, 3295.	2.9	12
133	Role of the tertiary and quaternary structure in the formation of bis-histidyl adducts in cold-adapted hemoglobins. <i>Biochimie</i> , 2012, 94, 953-960.	2.6	12
134	Spectroscopic/Computational Characterization and the X-ray Structure of the Adduct of the V ^{IV} -Picolinato Complex with RNase A. <i>Inorganic Chemistry</i> , 2021, 60, 19098-19109.	4.0	12
135	Improving Protein Crystal Quality by the Without-Oil Microbatch Method: Crystallization and Preliminary X-ray Diffraction Analysis of Glutathione Synthetase from <i>Pseudoalteromonas haloplanktis</i> . <i>International Journal of Molecular Sciences</i> , 2011, 12, 6312-6319.	4.1	11
136	A regular thymine tetrad and a peculiar supramolecular assembly in the first crystal structure of an all-LNA G-quadruplex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 362-370.	2.5	11
137	Oxaliplatin inhibits angiogenin proliferative and cell migration effects in prostate cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2022, 226, 111657.	3.5	11
138	Raman-markers of X-ray radiation damage of proteins. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 1194-1205.	7.5	10
139	Gamma-Glutamyl Transpeptidases: Structure and Function. <i>SpringerBriefs in Biochemistry and Molecular Biology</i> , 2013, , 1-57.	0.3	10
140	Structure and dimerization of the teleost transmembrane immunoglobulin region. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 27, 401-407.	2.4	9
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