

Fabio Arnesano

List of Publications by Year in descending order

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95
papers

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citations

109264

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123376

61
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105
all docs

105
docs citations

105
times ranked

4876
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of Copper Trafficking Proteins with the Platinum Anticancer Drug Kiteplatin. ChemMedChem, 2022, 17, .	1.6	3
2	¹⁹ F NMR Allows the Investigation of the Fate of Platinum(IV) Prodrugs in Physiological Conditions. Angewandte Chemie - International Edition, 2022, 61, .	7.2	25
3	¹⁹ F NMR Allows the Investigation of the Fate of Platinum(IV) Prodrugs in Physiological Conditions. Angewandte Chemie, 2022, 134, .	1.6	8
4	Tryptophan regulates <i>Drosophila</i> zinc stores. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117807119.	3.3	19
5	Multinuclear Metal-Binding Ability of the N-Terminal Region of Human Copper Transporter Ctr1: Dependence Upon pH and Metal Oxidation State. Frontiers in Molecular Biosciences, 2022, 9, .	1.6	6
6	Improvement of Kiteplatin Efficacy by a Benzoato Pt(IV) Prodrug Suitable for Oral Administration. International Journal of Molecular Sciences, 2022, 23, 7081.	1.8	9
7	The zinc proteome of SARS-CoV-2. Metallomics, 2022, 14, .	1.0	6
8	A Bioconjugated Fullerene as a Subcellular Targeted and Multifaceted Phototheranostic Agent. Advanced Functional Materials, 2021, 31, 2101527.	7.8	22
9	NMR spectroscopy to study the fate of metallodrugs in cells. Current Opinion in Chemical Biology, 2021, 61, 214-226.	2.8	7
10	Interference between copper transport systems and platinum drugs. Seminars in Cancer Biology, 2021, 76, 173-188.	4.3	38
11	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. Food Analytical Methods, 2020, 13, 530-541.	1.3	21
12	Mechanistic and Structural Basis for Inhibition of Copper Trafficking by Platinum Anticancer Drugs. Journal of the American Chemical Society, 2019, 141, 12109-12120.	6.6	24
13	Oxidation of Human Copper Chaperone Atox1 and Disulfide Bond Cleavage by Cisplatin and Glutathione. International Journal of Molecular Sciences, 2019, 20, 4390.	1.8	3
14	Cisplatin reacts with histone H1 and the adduct forms a ternary complex with DNA. Metallomics, 2019, 11, 556-564.	1.0	14
15	Reaction of Histone H1 with <i>trans</i> -Platinum Complexes and the Effect on DNA Platination. Inorganic Chemistry, 2019, 58, 6485-6494.	1.9	2
16	Concentration-dependent effects of mercury and lead on A β 242: possible implications for Alzheimer's disease. European Biophysics Journal, 2019, 48, 173-187.	1.2	34
17	Differential Reactivity of Metal Binding Domains of Copper ATPases towards Cisplatin and Colocalization of Copper and Platinum. Chemistry - A European Journal, 2018, 24, 8999-9003.	1.7	10
18	Tetrathiomolybdate inhibits the reaction of cisplatin with human copper chaperone Atox1. Metallomics, 2018, 10, 745-750.	1.0	10

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19	Aggregation Pathways of Native-Like Ubiquitin Promoted by Single-Point Mutation, Metal Ion Concentration, and Dielectric Constant of the Medium. <i>Chemistry - A European Journal</i> , 2018, 24, 4140-4148.	1.7	1
20	Effect of <i>in vivo</i> post-translational modifications of the HMGB1 protein upon binding to platinated DNA: a molecular simulation study. <i>Nucleic Acids Research</i> , 2018, 46, 11687-11697.	6.5	15
21	Structural Elucidation of Cisplatin and Hydrated <i>cis</i> -Diammineplatinum(II) Complex Conjugated with Cyanocobalamin by Liquid Chromatography with Electrospray Ionization-Mass Spectrometry and Multistage Mass Spectrometry. <i>ACS Omega</i> , 2018, 3, 12914-12922.	1.6	6
22	Monitoring Interactions Inside Cells by Advanced Spectroscopies: Overview of Copper Transporters and Cisplatin. <i>Current Medicinal Chemistry</i> , 2018, 25, 462-477.	1.2	15
23	Platinum drugs, copper transporters and copper chelators. <i>Coordination Chemistry Reviews</i> , 2018, 374, 254-260.	9.5	31
24	Effect of cisplatin on the transport activity of P _{II} -type ATPases. <i>Metallomics</i> , 2017, 9, 960-968.	1.0	12
25	Cyanocobalamin conjugates of cisplatin and diaminocyclohexane-platinum(ii): matrix-assisted laser desorption ionization mass spectrometry characterization using 4-chloro- \pm -cyanocinnamic acid as the matrix. <i>RSC Advances</i> , 2017, 7, 53658-53666.	1.7	10
26	Copper Homeostasis in Humans and Bacteria. , 2017, , .		0
27	Probing the interaction between cisplatin and the therapeutic monoclonal antibody trastuzumab. <i>RSC Advances</i> , 2016, 6, 29229-29236.	1.7	4
28	Activation of Platinum(IV) Prodrugs by Cytochrome <i>c</i> and Characterization of the Protein Binding Sites. <i>Molecular Pharmaceutics</i> , 2016, 13, 3216-3223.	2.3	30
29	Duplications of an iron-sulphur tripeptide leads to the formation of a protoferredoxin. <i>Chemical Communications</i> , 2016, 52, 13456-13459.	2.2	35
30	Oxaliplatin Binding to Human Copper Chaperone Atox1 and Protein Dimerization. <i>Inorganic Chemistry</i> , 2016, 55, 6563-6573.	1.9	17
31	Silver and gold nanoparticles produced by pulsed laser ablation in liquid to investigate their interaction with Ubiquitin. <i>Applied Surface Science</i> , 2016, 374, 297-304.	3.1	40
32	Copper binding to naturally occurring, lactam form of angiogenin differs from that to recombinant protein, affecting their activity. <i>Metallomics</i> , 2016, 8, 118-124.	1.0	20
33	The Effects of Chronic Lifelong Activation of the AHR Pathway by Industrial Chemical Pollutants on Female Human Reproduction. <i>PLoS ONE</i> , 2016, 11, e0152181.	1.1	23
34	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , 2015, 87, 6709-6717.	3.2	45
35	Cellular trafficking, accumulation and DNA platination of a series of cisplatin-based dicarboxylate Pt(IV) prodrugs. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 1-8.	1.5	44
36	PREFACE: Contributions to platinum bioinorganic chemistry and beyond honoring Professor Giovanni Natile on the occasion of his 70th birthday. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 204-205.	1.5	0

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37	Computational metallomics of the anticancer drug cisplatin. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 231-238.	1.5	20
38	The reaction of a platinated methionine motif of CTR1 with cysteine and histidine is dependent upon the type of precursor platinum complex. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 239-246.	1.5	7
39	Intranasal delivery of dopamine to the striatum using glycol chitosan/sulfobutylether- β -cyclodextrin based nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 180-193.	2.0	81
40	Effect of chirality in platinum drugs. <i>Coordination Chemistry Reviews</i> , 2015, 284, 286-297.	9.5	50
41	Amyloid Transition of Ubiquitin on Silver Nanoparticles Produced by Pulsed Laser Ablation in Liquid as a Function of Stabilizer and Single-Point Mutations. <i>Chemistry - A European Journal</i> , 2014, 20, 10745-10751.	1.7	24
42	Structural Biology of Cisplatin Complexes with Cellular Targets: The Adduct with Human Copper Chaperone Atox1 in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2014, 20, 11719-11725.	1.7	14
43	Translocation of Platinum Anticancer Drugs by Human Copper ATPases ATP7A and ATP7B. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1297-1301.	7.2	79
44	Heavy metals toxicity: effect of cadmium ions on amyloid beta protein 1 β . Possible implications for Alzheimer's disease. <i>BioMetals</i> , 2014, 27, 371-388.	1.8	75
45	Platination of the copper transporter ATP7A involved in anticancer drug resistance. <i>Dalton Transactions</i> , 2014, 43, 12085.	1.6	29
46	Investigation on the influence of (Z)-3-(2-(3-chlorophenyl)hydrazono)-5,6-dihydroxyindolin-2-one (PT2) on β -amyloid(1-40) aggregation and toxicity. <i>Archives of Biochemistry and Biophysics</i> , 2014, 560, 73-82.	1.4	12
47	Molecular Recognition of Platinated DNA from Chromosomal HMGB1. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 3578-3584.	2.3	12
48	C ₆₀ @Lysozyme: Direct Observation by Nuclear Magnetic Resonance of a 1:1 Fullerene Protein Adduct. <i>ACS Nano</i> , 2014, 8, 1871-1877.	7.3	70
49	Cisplatin handover between copper transporters: the effect of reducing agents. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 705-714.	1.1	13
50	CHAPTER 15. Platinum. 2-Oxoglutarate-Dependent Oxygenases, 2014, , 429-460.	0.8	3
51	Structure of matrix metalloproteinase-3 with a platinum-based inhibitor. <i>Chemical Communications</i> , 2013, 49, 5492.	2.2	11
52	Chemical and cellular investigations of trans-ammine-pyridine-dichlorido-platinum(II), the likely metabolite of the antitumor active cis-diammine-pyridine-chlorido-platinum(II). <i>Journal of Inorganic Biochemistry</i> , 2013, 129, 15-22.	1.5	14
53	Conformational Selection of Ubiquitin Quaternary Structures Driven by Zinc Ions. <i>Chemistry - A European Journal</i> , 2013, 19, 15480-15484.	1.7	5
54	An Updated View of Cisplatin Transport. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2701-2711.	1.0	63

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55	Structural Determinants of Cisplatin and Transplatin Binding to the Met-Rich Motif of Ctr1: A Computational Spectroscopy Approach. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2912-2920.	2.3	27
56	Effect of Thioethers on DNA Platination by <i>trans</i> -Platinum Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 8168-8176.	1.9	17
57	Probing the Interaction of Cisplatin with the Human Copper Chaperone Atox1 by Solution and In-Cell NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 18361-18369.	6.6	114
58	Crystallographic Analysis of Metal-Ion Binding to Human Ubiquitin. <i>Chemistry - A European Journal</i> , 2011, 17, 1569-1578.	1.7	25
59	Unusual Interstrand Pt(<i>cis</i> , <i>S,S</i> - <i>trans</i> -diaminocyclohexane)-GG Crosslink Formed by Rearrangement of a Classical Intrastrand Crosslink Within a DNA Duplex. <i>Chemistry - an Asian Journal</i> , 2010, 5, 244-247.	1.7	5
60	Analysis by phage display selection and site-directed retromutagenesis of the Mustard Trypsin Inhibitor 2 reactive site. <i>Journal of Plant Physiology</i> , 2010, 167, 1507-1511.	1.6	4
61	Methionine Can Favor DNA Platination by <i>trans</i> -Coordinated Platinum Antitumor Drugs. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8497-8500.	7.2	50
62	Mechanistic insight into the cellular uptake and processing of cisplatin 30 years after its approval by FDA. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2070-2081.	9.5	251
63	Mechanistic Insight into the Inhibition of Matrix Metalloproteinases by Platinum Substrates. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7847-7855.	2.9	28
64	Copper-Triggered Aggregation of Ubiquitin. <i>PLoS ONE</i> , 2009, 4, e7052.	1.1	46
65	Structural probing of Zn(ii), Cd(ii) and Hg(ii) binding to human ubiquitin. <i>Chemical Communications</i> , 2008, , 5960.	2.2	24
66	"Platinum on the road": Interactions of antitumoral cisplatin with proteins. <i>Pure and Applied Chemistry</i> , 2008, 80, 2715-2725.	0.9	59
67	Insights into the Molecular Mechanisms of Protein Platination from a Case Study: The Reaction of Anticancer Platinum(II) Iminoethers with Horse Heart Cytochrome c. <i>Biochemistry</i> , 2007, 46, 12220-12230.	1.2	51
68	Platinum Complexes Can Inhibit Matrix Metalloproteinase Activity: Platinum-Diethyl[(methylsulfinyl)methyl]phosphonate Complexes as Inhibitors of Matrix Metalloproteinases 2, 3, 9, and 12. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3434-3441.	2.9	47
69	Ubiquitin Stability and the Lys63-Linked Polyubiquitination Site Are Compromised on Copper Binding. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7993-7995.	7.2	36
70	Interaction between Platinum Complexes and a Methionine Motif Found in Copper Transport Proteins. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9062-9064.	7.2	91
71	An Italian contribution to structural genomics: Understanding metalloproteins. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1419-1450.	9.5	14
72	Folding Studies of Cox17 Reveal an Important Interplay of Cysteine Oxidation and Copper Binding. <i>Structure</i> , 2005, 13, 713-722.	1.6	121

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73	Structural Interplay between Calcium(II) and Copper(II) Binding to S100A13 Protein. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6341-6344.	7.2	38
74	NMR structures of paramagnetic metalloproteins. <i>Quarterly Reviews of Biophysics</i> , 2005, 38, 167-219.	2.4	84
75	Ortholog Search of Proteins Involved in Copper Delivery to Cytochrome c Oxidase and Functional Analysis of Paralogs and Gene Neighbors by Genomic Context. <i>Journal of Proteome Research</i> , 2005, 4, 63-70.	1.8	40
76	A Docking Approach to the Study of Copper Trafficking Proteins. <i>Structure</i> , 2004, 12, 669-676.	1.6	56
77	Perspectives in Inorganic Structural Genomics: A Trafficking Route for Copper. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1583-1593.	1.0	77
78	Perspectives in Inorganic Structural Genomics: A Trafficking Route for Copper. <i>ChemInform</i> , 2004, 35, no.	0.1	0
79	The Unusually Stable Quaternary Structure of Human Cu,Zn-Superoxide Dismutase 1 Is Controlled by Both Metal Occupancy and Disulfide Status. <i>Journal of Biological Chemistry</i> , 2004, 279, 47998-48003.	1.6	223
80	A Strategy for the NMR Characterization of Type II Copper(II) Proteins: The Case of the Copper Trafficking Protein CopC from <i>Pseudomonas Syringae</i> . <i>Journal of the American Chemical Society</i> , 2003, 125, 7200-7208.	6.6	98
81	A redox switch in CopC: An intriguing copper trafficking protein that binds copper(I) and copper(II) at different sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3814-3819.	3.3	173
82	The Evolutionarily Conserved Trimeric Structure of CutA1 Proteins Suggests a Role in Signal Transduction. <i>Journal of Biological Chemistry</i> , 2003, 278, 45999-46006.	1.6	52
83	Solution Structure and Characterization of the Heme Chaperone CcmE. <i>Biochemistry</i> , 2002, 41, 13587-13594.	1.2	47
84	Metallochaperones and Metal-Transporting ATPases: A Comparative Analysis of Sequences and Structures. <i>Genome Research</i> , 2002, 12, 255-271.	2.4	232
85	Solution Structure of CopC. <i>Structure</i> , 2002, 10, 1337-1347.	1.6	104
86	Structural genomics on metalloproteins. <i>Gene Function & Disease</i> , 2002, 3, 49-55.	0.3	1
87	Characterization of the Binding Interface between the Copper Chaperone Atx1 and the First Cytosolic Domain of Ccc2 ATPase. <i>Journal of Biological Chemistry</i> , 2001, 276, 41365-41376.	1.6	132
88	Solution Structure of the Cu(I) and Apo Forms of the Yeast Metallochaperone, Atx1. <i>Biochemistry</i> , 2001, 40, 1528-1539.	1.2	172
89	The auto-orientation in high magnetic fields of oxidized cytochrome b562 as source of constraints for solution structure determination. <i>Journal of Biomolecular NMR</i> , 2000, 17, 295-304.	1.6	25
90	Structural Consequences of α -toc-type Heme Conversion in Oxidized <i>Escherichia coli</i> Cytochrome b562. <i>Biochemistry</i> , 2000, 39, 1499-1514.	1.2	46

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91	Monitoring Mobility in the Early Steps of Unfolding: The Case of Oxidized Cytochrome b5 in the Presence of 2 M Guanidinium Chloride. <i>Biochemistry</i> , 2000, 39, 7117-7130.	1.2	18
92	Solution structure of the B form of oxidized rat microsomal cytochrome b5 and backbone dynamics via ¹⁵ N rotating-frame NMR-relaxation measurements. <i>FEBS Journal</i> , 1999, 260, 347-354.	0.2	28
93	The Solution Structure of Oxidized <i>Escherichia coli</i> Cytochrome b562. <i>Biochemistry</i> , 1999, 38, 8657-8670.	1.2	82
94	Solution Structure of Oxidized Rat Microsomal Cytochrome b5 in the Presence of 2 M Guanidinium Chloride: Monitoring the Early Steps in Protein Unfolding. <i>Biochemistry</i> , 1998, 37, 17082-17092.	1.2	19
95	The Solution Structure of Oxidized Rat Microsomal Cytochrome b5. <i>Biochemistry</i> , 1998, 37, 173-184.	1.2	86