

Paola Turano

List of Publications by Year in descending order

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162
papers

7,218
citations

53660

45
h-index

69108

77
g-index

175
all docs

175
docs citations

175
times ranked

6848
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear magnetic resonance of paramagnetic metalloproteins. <i>Chemical Reviews</i> , 1993, 93, 2833-2932.	23.0	432
2	Solution Structure of Oxidized Horse Heart Cytochrome c. <i>Biochemistry</i> , 1997, 36, 9867-9877.	1.2	290
3	Standard operating procedures for pre-analytical handling of blood and urine for metabolomic studies and biobanks. <i>Journal of Biomolecular NMR</i> , 2011, 49, 231-243.	1.6	285
4	High-Throughput Metabolomics by 1D NMR. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 968-994.	7.2	254
5	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. <i>Metabolomics</i> , 2015, 11, 872-894.	1.4	196
6	Metabolomic NMR Fingerprinting to Identify and Predict Survival of Patients with Metastatic Colorectal Cancer. <i>Cancer Research</i> , 2012, 72, 356-364.	0.4	181
7	Solid-state NMR of proteins sedimented by ultracentrifugation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10396-10399.	3.3	163
8	The use of pseudocontact shifts to refine solution structures of paramagnetic metalloproteins: Met80Ala cyano-cytochrome c as an example. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 117-126.	1.1	143
9	Conformational variability of matrix metalloproteinases: Beyond a single 3D structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5334-5339.	3.3	143
10	NMR reveals pathway for ferric mineral precursors to the central cavity of ferritin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 545-550.	3.3	143
11	Proton NOE studies on dicopper(II) dicobalt(II) superoxide dismutase. <i>Inorganic Chemistry</i> , 1989, 28, 4650-4656.	1.9	140
12	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. <i>Metabolomics</i> , 2015, 11, 1587-1597.	1.4	140
13	Structural Model for an Alkaline Form of Ferricytochrome c. <i>Journal of the American Chemical Society</i> , 2003, 125, 2913-2922.	6.6	128
14	Solution Structure of Oxidized <i>Saccharomyces cerevisiae</i> iso-1-cytochrome c. <i>Biochemistry</i> , 1997, 36, 8992-9001.	1.2	125
15	Solution structure of reduced horse heart cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 21-31.	1.1	116
16	Uniqueness of the NMR approach to metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115300.	5.8	103
17	Pseudocontact shifts as constraints for energy minimization and molecular dynamics calculations on solution structures of paramagnetic metalloproteins. , 1997, 29, 68-76.		99
18	Proton NMR investigation into the basis for the relatively high redox potential of lignin peroxidase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 6956-6960.	3.3	92

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19	UreG, a Chaperone in the Urease Assembly Process, Is an Intrinsically Unstructured GTPase That Specifically Binds Zn ²⁺ . <i>Journal of Biological Chemistry</i> , 2005, 280, 4684-4695.	1.6	91
20	Structural Insights into the Ferroxidase Site of Ferritins from Higher Eukaryotes. <i>Journal of the American Chemical Society</i> , 2012, 134, 6169-6176.	6.6	90
21	Three-Dimensional Solution Structure of <i>Saccharomyces cerevisiae</i> Reduced Iso-1-cytochrome c. <i>Biochemistry</i> , 1996, 35, 13788-13796.	1.2	89
22	A Relay Network of Extracellular Heme-Binding Proteins Drives <i>C. albicans</i> Iron Acquisition from Hemoglobin. <i>PLoS Pathogens</i> , 2014, 10, e1004407.	2.1	87
23	<i>Helicobacter pylori</i> UreE, a urease accessory protein: specific Ni ²⁺ - and Zn ²⁺ -binding properties and interaction with its cognate UreG. <i>Biochemical Journal</i> , 2009, 422, 91-100.	1.7	83
24	Plasma and urinary metabolomic profiles of Down syndrome correlate with alteration of mitochondrial metabolism. <i>Scientific Reports</i> , 2018, 8, 2977.	1.6	80
25	Metabolomic/lipidomic profiling of COVID-19 and individual response to tocilizumab. <i>PLoS Pathogens</i> , 2021, 17, e1009243.	2.1	76
26	Chemistry at the protein-mineral interface in L-ferritin assists the assembly of a functional (1/4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 . <i>Academy of Sciences of the United States of America</i> , 2017, 114, 2580-2585.	3.3	74
27	Zn ²⁺ -linked dimerization of UreG from <i>Helicobacter pylori</i> , a chaperone involved in nickel trafficking and urease activation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 74, 222-239.	1.5	73
28	Proton NMR investigation of manganese peroxidase from <i>Phanerochaete chrysosporium</i> . A comparison with other peroxidases. <i>Biochemistry</i> , 1992, 31, 10009-10017.	1.2	68
29	Iron binding to human heavy-chain ferritin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1909-1920.	2.5	68
30	Direct-Detected ¹³ C NMR to Investigate the Iron(III) Hemophore HasA. <i>Journal of the American Chemical Society</i> , 2006, 128, 150-158.	6.6	67
31	Three-Dimensional Solution Structure of the Cyanide Adduct of a Variant of <i>Saccharomyces cerevisiae</i> Iso-1-cytochrome c Containing the Met80Ala Mutation. Identification of Ligand-Residue Interactions in the Distal Heme Cavity. <i>Biochemistry</i> , 1995, 34, 11385-11398.	1.2	65
32	Binding of horseradish, lignin, and manganese peroxidases to their respective substrates. <i>Biochemistry</i> , 1993, 32, 5825-5831.	1.2	64
33	NMR characterization and solution structure determination of the oxidized cytochrome c7 from <i>Desulfuromonas acetoxidans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 14396-14400.	3.3	58
34	Superoxide Dismutase Folding/Unfolding Pathway: Role of the Metal Ions in Modulating Structural and Dynamical Features. <i>Journal of Molecular Biology</i> , 2003, 330, 145-158.	2.0	56
35	Fully Metallated S134N Cu,Zn-Superoxide Dismutase Displays Abnormal Mobility and Intermolecular Contacts in Solution. <i>Journal of Biological Chemistry</i> , 2005, 280, 35815-35821.	1.6	56
36	¹³ C- ¹³ C NOESY spectra of a 480 kDa protein: solution NMR of ferritin. <i>Journal of Biomolecular NMR</i> , 2007, 38, 237-242.	1.6	56

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37	Active Site Coordination Chemistry of the Cytochrome c Peroxidase Asp235Ala Variant: Spectroscopic and Functional Characterization. <i>Biochemistry</i> , 1994, 33, 7819-7829.	1.2	55
38	Paramagnetic ¹ H NMR Spectroscopy of the Cyanide Derivative of Met80Ala-iso-1-cytochrome c. <i>Journal of the American Chemical Society</i> , 1995, 117, 8067-8073.	6.6	54
39	A further clue to understanding the mobility of mitochondrial yeast cytochrome c. <i>FEBS Journal</i> , 2001, 268, 4468-4476.	0.2	53
40	Structural basis of mitochondrial dysfunction in response to cytochrome c phosphorylation at tyrosine 48. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3041-E3050.	3.3	53
41	A method for $C\hat{1}\pm$ direct-detection in protonless NMR. <i>Journal of Magnetic Resonance</i> , 2007, 188, 301-310.	1.2	52
42	The metal reductase activity of some multiheme cytochromes c: NMR structural characterization of the reduction of chromium(VI) to chromium(III) by cytochrome c7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9750-9754.	3.3	51
43	Diauxie and co-utilization of carbon sources can coexist during bacterial growth in nutritionally complex environments. <i>Nature Communications</i> , 2020, 11, 3135.	5.8	51
44	Comparative proton NMR study of ferric low-spin cytochrome c peroxidase and horseradish peroxidase. <i>Inorganic Chemistry</i> , 1991, 30, 4510-4516.	1.9	49
45	The Nickel Site of <i>Bacillus pasteurii</i> UreE, a Urease Metallo-Chaperone, As Revealed by Metal-Binding Studies and X-ray Absorption Spectroscopy. <i>Biochemistry</i> , 2006, 45, 6495-6509.	1.2	49
46	Time-lapse anomalous X-ray diffraction shows how Fe ²⁺ substrate ions move through ferritin protein nanocages to oxidoreductase sites. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 941-953.	2.5	49
47	NMR for sample quality assessment in metabolomics. <i>New Biotechnology</i> , 2019, 52, 25-34.	2.4	49
48	Multi-omic profiles of human non-alcoholic fatty liver disease tissue highlight heterogenic phenotypes. <i>Scientific Data</i> , 2015, 2, 150068.	2.4	48
49	¹⁵ N- ¹ H Residual Dipolar Coupling Analysis of Native and Alkaline-K79A <i>Saccharomyces cerevisiae</i> Cytochrome c. <i>Biophysical Journal</i> , 2003, 84, 3917-3923.	0.2	47
50	NMR properties of sedimented solutes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 439-447.	1.3	47
51	Electrostatic and Structural Bases of Fe ²⁺ Translocation through Ferritin Channels. <i>Journal of Biological Chemistry</i> , 2016, 291, 25617-25628.	1.6	46
52	The Magnetic Properties of Myoglobin as Studied by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2003, 9, 2316-2322.	1.7	45
53	Deciphering the Structural Role of Histidine 83 for Heme Binding in Hemophore HasA. <i>Journal of Biological Chemistry</i> , 2008, 283, 5960-5970.	1.6	45
54	The Anti-Apoptotic Bcl-xL Protein, a New Piece in the Puzzle of Cytochrome C Interactome. <i>PLoS ONE</i> , 2011, 6, e18329.	1.1	44

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55	Insights in the (un)structural organization of Bacillus pasteurii UreG, an intrinsically disordered GTPase enzyme. <i>Molecular BioSystems</i> , 2012, 8, 220-228.	2.9	44
56	Cytochrome <i>c</i> Mutants for Superoxide Biosensors. <i>Analytical Chemistry</i> , 2009, 81, 2976-2984.	3.2	42
57	Solid-State NMR of PEGylated Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2446-2449.	7.2	41
58	pH-dependent equilibria of yeast Met80Ala-iso-1-cytochrome c probed by NMR spectroscopy: a comparison with the wild-type protein. <i>Chemistry and Biology</i> , 1995, 2, 377-383.	6.2	39
59	Mapping the Interaction between the Hemophore HasA and Its Outer Membrane Receptor HasR Using CRINEPT-TROSY NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 1736-1744.	6.6	39
60	Effects of Intra- and Post-Operative Ischemia on the Metabolic Profile of Clinical Liver Tissue Specimens Monitored by NMR. <i>Journal of Proteome Research</i> , 2013, 12, 5723-5729.	1.8	39
61	Electroactive Multilayer Assemblies of Bilirubin Oxidase and Human Cytochrome C Mutants: Insight in Formation and Kinetic Behavior. <i>Langmuir</i> , 2011, 27, 4202-4211.	1.6	38
62	Individual Human Metabolic Phenotype Analyzed by ¹ H NMR of Saliva Samples. <i>Journal of Proteome Research</i> , 2016, 15, 1787-1793.	1.8	38
63	NOE and two-dimensional correlated 1H-NMR spectroscopy of cytochrome c' from <i>Chromatium vinosum</i> . <i>FEBS Journal</i> , 1992, 204, 107-112.	0.2	36
64	800 MHz 1H NMR solution structure refinement of oxidized cytochrome c7 from <i>Desulfuromonas acetoxidans</i> . <i>FEBS Journal</i> , 1998, 256, 261-270.	0.2	36
65	NMR metabolomics highlights sphingosine kinase as a new molecular switch in the orchestration of aberrant metabolic phenotype in cancer cells. <i>Molecular Oncology</i> , 2017, 11, 517-533.	2.1	35
66	Pre-analytical processes in medical diagnostics: New regulatory requirements and standards. <i>New Biotechnology</i> , 2019, 52, 121-125.	2.4	35
67	Cytochrome c and SDS: A Molten Globule Protein with Altered Axial Ligation. <i>Journal of Molecular Biology</i> , 2004, 336, 489-496.	2.0	33
68	Computational Study of the DNA-Binding Protein <i>Helicobacter pylori</i> NikR: The Role of Ni ²⁺ 2 Francesco Musiani and Branimir Bertoja contributed equally to the simulations presented here.. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 3503-3515.	2.3	32
69	Role of the Iron Axial Ligands of Heme Carrier HasA in Heme Uptake and Release. <i>Journal of Biological Chemistry</i> , 2012, 287, 26932-26943.	1.6	32
70	Metabolomics profiling of pre-and post-anesthesia plasma samples of colorectal patients obtained via Ficoll separation. <i>Metabolomics</i> , 2015, 11, 1769-1778.	1.4	32
71	Fingerprinting Alzheimer's Disease by ¹ H Nuclear Magnetic Resonance Spectroscopy of Cerebrospinal Fluid. <i>Journal of Proteome Research</i> , 2020, 19, 1696-1705.	1.8	32
72	pH, Electrolyte, and Substrate-Linked Variation in Active Site Structure of the Trp51Ala Variant of Cytochrome c Peroxidase. <i>Biochemistry</i> , 1995, 34, 13895-13905.	1.2	30

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73	¹ H-NMR metabolomics reveals the Glabrescione B exacerbation of glycolytic metabolism beside the cell growth inhibitory effect in glioma. <i>Cell Communication and Signaling</i> , 2019, 17, 108.	2.7	30
74	Profiling metabolites and lipoproteins in COMETA, an Italian cohort of COVID-19 patients. <i>PLoS Pathogens</i> , 2022, 18, e1010443.	2.1	30
75	A proton-NMR investigation of the fully reduced cytochrome c7 from <i>Desulfuromonas acetoxidans</i> . Comparison between the reduced and the oxidized forms. <i>FEBS Journal</i> , 1999, 266, 634-643.	0.2	29
76	Evidence that increases of mitochondrial immunoreactive IL-1 β by HIV-1 gp120 implicate in situ cleavage of pro-IL-1 β in the neocortex of rat. <i>Journal of Neurochemistry</i> , 2001, 78, 611-618.	2.1	29
77	The impact of free or standardized lifestyle and urine sampling protocol on metabolome recognition accuracy. <i>Genes and Nutrition</i> , 2015, 10, 441.	1.2	29
78	A framework for validating AI in precision medicine: considerations from the European ITFoC consortium. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 274.	1.5	28
79	NMR investigation of isotopically labeled cyanide derivatives of lignin peroxidase and manganese peroxidase. <i>Biochemistry</i> , 1993, 32, 13483-13489.	1.2	27
80	Solution and Solid State NMR Approaches To Draw Iron Pathways in the Ferritin Nanocage. <i>Accounts of Chemical Research</i> , 2013, 46, 2676-2685.	7.6	27
81	Transient iron coordination sites in proteins: Exploiting the dual nature of paramagnetic NMR. <i>Coordination Chemistry Reviews</i> , 2015, 284, 313-328.	9.5	27
82	Modulating the permeability of ferritin channels. <i>RSC Advances</i> , 2016, 6, 21219-21227.	1.7	27
83	Quality Matters: 2016 Annual Conference of the National Infrastructures for Biobanking. <i>Biopreservation and Biobanking</i> , 2017, 15, 270-276.	0.5	26
84	The Conformational Flexibility of Oxidized Cytochrome c Studied through Its Interaction with NH ₃ and at High Temperatures. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 583-591.	1.0	25
85	Metalation of the Amyotrophic Lateral Sclerosis Mutant Glycine 37 to Arginine Superoxide Dismutase (SOD1) Apoprotein Restores Its Structural and Dynamical Properties in Solution to Those of Metalated Wild-Type SOD1. <i>Biochemistry</i> , 2007, 46, 9953-9962.	1.2	25
86	Serum or Plasma (and Which Plasma), That Is the Question. <i>Journal of Proteome Research</i> , 2022, 21, 1061-1072.	1.8	25
87	Application of 2D NMR techniques to paramagnetic systems. <i>Inorganic Chemistry</i> , 1990, 29, 4351-4353.	1.9	24
88	Creation and Characterization of a Genomically Hybrid Strain in the Nitrogen-Fixing Symbiotic Bacterium <i>Sinorhizobium meliloti</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2365-2378.	1.9	24
89	The Unfolding of Oxidized c-Type Cytochromes: The Instructive Case of <i>Bacillus pasteurii</i> . <i>Journal of Molecular Biology</i> , 2002, 321, 693-701.	2.0	23
90	Plasma metabolome and cognitive skills in Down syndrome. <i>Scientific Reports</i> , 2020, 10, 10491.	1.6	23

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91	A Molecular Dynamics Study in Explicit Water of the Reduced and Oxidized forms of Yeast Iso-1-cytochrome c. Solvation and Dynamic Properties of the two Oxidation States. FEBS Journal, 1997, 249, 716-723.	0.2	22
92	Fragmenting the S100Bâ€“p53 Interaction: Combined Virtual/Biophysical Screening Approaches to Identify Ligands. ChemMedChem, 2010, 5, 428-435.	1.6	22
93	A Systems Biology Approach to Deciphering the Etiology of Steatosis Employing Patient-Derived Dermal Fibroblasts and iPS Cells. Frontiers in Physiology, 2012, 3, 339.	1.3	22
94	Investigation of the Iron(II) Release Mechanism of Human H-Ferritin as a Function of pH. Journal of Chemical Information and Modeling, 2017, 57, 2112-2118.	2.5	22
95	Effect of Estrogen Receptor Status on Circulatory Immune and Metabolomics Profiles of HER2-Positive Breast Cancer Patients Enrolled for Neoadjuvant Targeted Chemotherapy. Cancers, 2020, 12, 314.	1.7	22
96	Can the axial ligand strength be monitored through spectroscopic measurements?. Journal of Biological Inorganic Chemistry, 1996, 1, 364-367.	1.1	21
97	Monitoring the conformational flexibility of cytochrome c at low ionic strength by 1H-NMR spectroscopy. FEBS Journal, 1998, 256, 271-278.	0.2	21
98	Water-protein interaction in native and partially unfolded equine cytochrome c. Molecular Physics, 1998, 95, 797-808.	0.8	21
99	Loop Electrostatics Modulates the Intersubunit Interactions in Ferritin. ACS Chemical Biology, 2014, 9, 2517-2525.	1.6	18
100	Coordinating subdomains of ferritin protein cages with catalysis and biomineralization viewed from the C 4 cage axes. Journal of Biological Inorganic Chemistry, 2014, 19, 615-622.	1.1	18
101	Ferroxidase Activity in Eukaryotic Ferritin is Controlled by Accessoryâ€“Ironâ€“Binding Sites in the Catalytic Cavity. Chemistry - A European Journal, 2016, 22, 16213-16219.	1.7	18
102	The stability of the cytochrome c scaffold as revealed by NMR spectroscopy. Journal of Inorganic Biochemistry, 2004, 98, 814-823.	1.5	17
103	Is His54 a gating residue for the ferritin ferroxidase site?. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1118-1122.	1.1	17
104	Iron Biomineral Growth from the Initial Nucleation Seed in Lâ€“Ferritin. Chemistry - A European Journal, 2020, 26, 5770-5773.	1.7	17
105	NMR reveals the metabolic changes induced by auranofin in A2780 cancer cells: evidence for glutathione dysregulation. Dalton Transactions, 2021, 50, 6349-6355.	1.6	17
106	Validation of paramagnetic cross correlation rates for solution structure determination of high spin iron(III) heme proteins. Chemical Physics Letters, 2003, 373, 460-463.	1.2	16
107	Binding of fluoride to copper zinc superoxide dismutase. Inorganic Chemistry, 1989, 28, 2377-2381.	1.9	15
108	15N chemical shift changes in cytochromeâˆb5: redox-dependent vs. guanidinium chloride-induced changes. Journal of Biological Inorganic Chemistry, 2000, 5, 761-764.	1.1	15

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109	Dimethyl propionate ester heme-containing cytochrome b 5: structure and stability. <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 490-503.	1.1	14
110	An Italian contribution to structural genomics: Understanding metalloproteins. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1419-1450.	9.5	14
111	A geroscience approach for Parkinson's disease: Conceptual framework and design of PROPAG-AGEING project. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111426.	2.2	14
112	Ferritin nanocomposites for the selective delivery of photosensitizing ruthenium-polypyridyl compounds to cancer cells. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1070-1081.	3.0	14
113	Colorectal cancer: the potential of metabolic fingerprinting. <i>Expert Review of Gastroenterology and Hepatology</i> , 2014, 8, 847-849.	1.4	13
114	Solid-State NMR of PEGylated Proteins. <i>Angewandte Chemie</i> , 2016, 128, 2492-2495.	1.6	12
115	Cancer cell death induced by ferritins and the peculiar role of their labile iron pool. <i>Oncotarget</i> , 2018, 9, 27974-27984.	0.8	12
116	Solution structure of paramagnetic metalloproteins. <i>Pure and Applied Chemistry</i> , 1999, 71, 1717-1725.	0.9	11
117	Insights into Interprotein Electron Transfer of Human Cytochrome <i>c</i> Variants Arranged in Multilayer Architectures by Means of an Artificial Silica Nanoparticle Matrix. <i>ACS Omega</i> , 2016, 1, 1058-1066.	1.6	11
118	Metabolite and lipoprotein profiles reveal sex-related oxidative stress imbalance in de novo drug-naïve Parkinson's disease patients. <i>Npj Parkinson's Disease</i> , 2022, 8, 14.	2.5	11
119	Serum NMR Profiling Reveals Differential Alterations in the Lipoproteome Induced by Pfizer-BioNTech Vaccine in COVID-19 Recovered Subjects and Naïve Subjects. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 839809.	1.6	11
120	Role of Arg-143 in human Cu ₂ Zn ₂ SOD studied through anion binding. <i>Inorganic Chemistry</i> , 1991, 30, 3363-3364.	1.9	10
121	Applications of COSY to paramagnetic heme-containing systems. <i>Journal of Magnetic Resonance</i> , 1991, 95, 244-252.	0.5	10
122	An investigation of Cu ₂ Zn ₂ superoxide dismutase and its Ile-137 mutant at high pH. <i>European Biophysics Journal</i> , 1991, 19, 141-6.	1.2	10
123	A quick solution structure determination of the fully oxidized double mutant K9-10A cytochrome <i>c</i> 7 from <i>Desulfuromonas acetoxidans</i> and mechanistic implications. <i>Journal of Biomolecular NMR</i> , 2002, 22, 107-122.	1.6	10
124	¹ H nuclear magnetic relaxation dispersion of Cu ₂ Zn superoxide dismutase in the native and guanidinium-induced unfolded forms. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 633-639.	1.0	10
125	Cytochrome <i>c</i> and Organic Molecules: Solution Structure of the <i>p</i> -Aminophenol Adduct. <i>Biochemistry</i> , 2007, 46, 6232-6238.	1.2	10
126	Superoxide Reductase: Different Interaction Modes with its Two Redox Partners. <i>ChemBioChem</i> , 2013, 14, 1858-1866.	1.3	10

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127	Unsaturated Long-Chain Fatty Acids Are Preferred Ferritin Ligands That Enhance Iron Biom mineralization. <i>Chemistry - A European Journal</i> , 2017, 23, 9879-9887.	1.7	10
128	About the use of ¹³ C- ¹³ C NOESY in bioinorganic chemistry. <i>Journal of Inorganic Biochemistry</i> , 2019, 192, 25-32.	1.5	10
129	Prediagnostic circulating metabolites in female breast cancer cases with low and high mammographic breast density. <i>Scientific Reports</i> , 2021, 11, 13025.	1.6	10
130	Metabolomic Fingerprints in Large Population Cohorts: Impact of Preanalytical Heterogeneity. <i>Clinical Chemistry</i> , 2021, 67, 1153-1155.	1.5	10
131	Impact of the pre-examination phase on multicenter metabolomic studies. <i>New Biotechnology</i> , 2022, 68, 37-47.	2.4	10
132	Mechanistic insights into the superoxide-cytochrome c reaction by lysine surface scanning. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 429-440.	1.1	9
133	Cage redesign explains assembly. <i>Nature Chemical Biology</i> , 2013, 9, 143-144.	3.9	9
134	The Da Vinci European BioBank: A Metabolomics-Driven Infrastructure. <i>Journal of Personalized Medicine</i> , 2015, 5, 107-119.	1.1	9
135	Hochdurchsatz-Metabolomik mit 1D-NMR. <i>Angewandte Chemie</i> , 2019, 131, 980-1007.	1.6	8
136	S1P Signalling Axis Is Necessary for Adiponectin-Directed Regulation of Electrophysiological Properties and Oxidative Metabolism in C2C12 Myotubes. <i>Cells</i> , 2022, 11, 713.	1.8	8
137	Distal Unfolding of Ferricytochrome c Induced by the F82K Mutation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2134.	1.8	7
138	Frontiers in 2D NMR of paramagnetic metalloproteins. <i>Applied Magnetic Resonance</i> , 1993, 4, 461-476.	0.6	6
139	Direct detection of iron clusters in L ferritins through ESI-MS experiments. <i>Dalton Transactions</i> , 2021, 50, 16464-16467.	1.6	6
140	Insights into Partially Folded or Unfolded States of Metalloproteins from Nuclear Magnetic Resonance. <i>Inorganic Chemistry</i> , 2004, 43, 7945-7952.	1.9	5
141	Modelling hCDKL5 Heterologous Expression in Bacteria. <i>Metabolites</i> , 2021, 11, 491.	1.3	5
142	Cytochrome c folding / unfolding: a unifying picture. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004, 08, 238-245.	0.4	4
143	The reaction of artemisinin with hemin: a further insight into the mechanism. <i>Inorganica Chimica Acta</i> , 2004, 357, 4602-4606.	1.2	4
144	Electron self-exchange of cytochrome c measured via ¹³ C detected protonless NMR. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 142-149.	0.4	4

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145	Structural Biology of Iron-Binding Proteins by NMR Spectroscopy. European Journal of Inorganic Chemistry, 2019, 2019, 569-576.	1.0	4
146	Effect of the point mutation H54N on the ferroxidase process of Rana catesbeiana H ²⁺ ferritin. Journal of Inorganic Biochemistry, 2019, 197, 110697.	1.5	4
147	Soluble Variants of Human Recombinant Glutaminyl Cyclase. PLoS ONE, 2013, 8, e71657.	1.1	4
148	Targeting sphingosine kinase 1 localization as novel target for ovarian cancer therapy. Translational Cancer Research, 2017, 6, S1277-S1280.	0.4	4
149	The Hyperfine Coupling. , 1995, , 29-54.		3
150	Superoxide Biosensing with Engineered Cytochrome c. Procedia Chemistry, 2009, 1, 1287-1290.	0.7	2
151	Iron Binding in the Ferroxidase Site of Human Mitochondrial Ferritin. Chemistry - A European Journal, 2021, 27, 14690-14701.	1.7	2
152	Three-dimensional solution structures of two DNA dodecamers through full relaxation matrix analysis. , 1999, 37, 564-572.		1
153	Heme Acquisition by Hemophores: A Lesson from NMR. Handbook of Porphyrin Science, 2010, , 339-365.	0.3	1
154	What Can be Learned about the Structure and Dynamics of Biomolecules from NMR. , 2012, , 33-50.		1
155	Role of the iron axial ligands of heme carrier HasA in heme uptake and release.. Journal of Biological Chemistry, 2013, 288, 2190.	1.6	1
156	Pseudocontact shifts as constraints for energy minimization and molecular dynamics calculations on solution structures of paramagnetic metalloproteins. , 1997, 29, 68.		1
157	NMR studies on partially folded and unfolded states of metalloproteins. Journal of Inorganic Biochemistry, 2003, 96, 31.	1.5	0
158	Cytochrome c and superoxide: a reply. Journal of Biological Inorganic Chemistry, 2013, 18, 867-869.	1.1	0
159	Nuclear Magnetic Resonance as a Tool to Characterize the Interactome of Heme Proteins. Handbook of Porphyrin Science, 2013, , 179-219.	0.3	0
160	NMR of Paramagnetic Species. , 2017, , 164-169.		0
161	DNA damage response protein checkpoint kinase 2 (CHK2) links chromosomal instability to cellular metabolism in hepatocellular carcinoma (HCC). Journal of Hepatology, 2020, 73, S639-S640.	1.8	0
162	NMR as a Tool to Target Protein-Protein Interactions. , 2013, , 83-111.		0