Lucia Banci

List of Publications by Year
in descending order

375 papers	21,620 citations	6592 79 h-index	17546 121 g-index
392 all docs	392 docs citations	392 times ranked	15584 citing authors

#	Article	IF	Citations
1	Radio Signals from Live Cells: The Coming of Age of In-Cell Solution NMR. Chemical Reviews, 2022, 122, 9267-9306.	23.0	42
2	Protein-Interaction Affinity Gradient Drives [4Feâ€“4S] Cluster Insertion in Human Lipoyl Synthase. Journal of the American Chemical Society, 2022, 144, 5713-5717.	6.6	6
3	In-cell NMR: From target structure and dynamics to drug screening. Current Opinion in Structural Biology, 2022, 74, 102374.	2.6	15
4	1H,13C and 15N chemical shift assignments of the SUD domains of SARS-CoV-2 non-structural protein 3c: â€œthe N-terminal domain-SUD-Nâ€• Biomolecular NMR Assignments, 2021, 15, 85-89.	0.4	4
5	Paramagnetic Metalloproteins. , 2021, , 1-8.		0
6	The FDA-Approved Antiviral Raltegravir Inhibits Fascin1-Dependent Invasion of Colorectal Tumor Cells In Vitro and In Vivo. Cancers, 2021, 13, 861.	1.7	23
7	Protein in-cell NMR spectroscopy at 1.2ÂGHz. Journal of Biomolecular NMR, 2021, 75, 97-107.	1.6	44
8	The human YAE1-ORAOV1 complex of the cytosolic iron-sulfur protein assembly machinery binds a [4Fe-4S] cluster. Inorganica Chimica Acta, 2021, 518, 120252.	1.2	3
9	The long-standing relationship between paramagnetic NMR and ironâ€“sulfur proteins: the mitoNEET example. An old method for new stories or the other way around?. Magnetic Resonance, 2021, 2, 203-221.	0.8	9
10	Inâ€…Cellulo MÃ¶ssbauer and EPR Studies Bring New Evidence to the Longâ€Standing Debate on Ironâ€“Sulfur Cluster Binding in Human Anamorsin. Angewandte Chemie, 2021, 133, 14967-14971.	1.6	0
11	ISCA1 Orchestrates ISCA2 and NFU1 in the Maturation of Human Mitochondrial [4Fe-4S] Proteins. Journal of Molecular Biology, 2021, 433, 166924.	2.0	11
12	Molecular Basis of Multiple Mitochondrial Dysfunctions Syndrome 2 Caused by CYS59TYR BOLA3 Mutation. International Journal of Molecular Sciences, 2021, 22, 4848.	1.8	6
13	Inâ€…Cellulo MÃ¶ssbauer and EPR Studies Bring New Evidence to the Longâ€Standing Debate on Ironâ€“Sulfur Cluster Binding in Human Anamorsin. Angewandte Chemie - International Edition, 2021, 60, 14841-14845.	7.2	8
14	Rapid protein delivery to living cells for biomolecular investigation. Biochemical and Biophysical Research Communications, 2021, 570, 82-88.	1.0	11
15	Determination of intracellular proteinâ€“ligand binding affinity by competition binding in-cell NMR. Acta Crystallographica Section D: Structural Biology, 2021, 77, 1270-1281.	1.1	14
16	1H,13C and 15N chemical shift assignments of the SUD domains of SARS-CoV-2 non-structural protein 3c: â€œThe SUD-M and SUD-C domainsâ€• Biomolecular NMR Assignments, 2021, 15, 165-171.	0.4	4
17	SARS-CoV-2 M^{pro}inhibition by a zinc ion: structural features and hints for drug design. Chemical Communications, 2021, 57, 7910-7913.	2.2	12
18	HIV-1 Tat Protein Enters Dysfunctional Endothelial Cells via Integrins and Renders Them Permissive to Virus Replication. International Journal of Molecular Sciences, 2021, 22, 317.	1.8	12

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19	A pathway for assembling [4Feâ€4S]²⁺ clusters in mitochondrial ironâ€“sulfur protein biogenesis. FEBS Journal, 2020, 287, 2312-2327.	2.2	36
20	Intracellular Binding/Unbinding Kinetics of Approved Drugs to Carbonic Anhydrase II Observed by in-Cell NMR. ACS Chemical Biology, 2020, 15, 2792-2800.	1.6	23
21	GLRX3 Acts as a [2Feâ€“2S] Cluster Chaperone in the Cytosolic Ironâ€“Sulfur Assembly Machinery Transferring [2Feâ€“2S] Clusters to NUBP1. Journal of the American Chemical Society, 2020, 142, 10794-10805.	6.6	17
22	NMR quality control of fragment libraries for screening. Journal of Biomolecular NMR, 2020, 74, 555-563.	1.6	23
23	Real-Time Quantitative In-Cell NMR: Ligand Binding and Protein Oxidation Monitored in Human Cells Using Multivariate Curve Resolution. Analytical Chemistry, 2020, 92, 9997-10006.	3.2	39
24	CIAO3 protein forms a stable ternary complex with two key players of the human cytosolic ironâ€“sulfur cluster assembly machinery. Journal of Biological Inorganic Chemistry, 2020, 25, 501-508.	1.1	9
25	Methylglyoxal interaction with superoxide dismutase 1. Redox Biology, 2020, 30, 101421.	3.9	33
26	Drug Screening in Human Cells by NMR Spectroscopy Allows the Early Assessment of Drug Potency. Angewandte Chemie, 2020, 132, 6597-6601.	1.6	6
27	Drug Screening in Human Cells by NMR Spectroscopy Allows the Early Assessment of Drug Potency. Angewandte Chemie - International Edition, 2020, 59, 6535-6539.	7.2	44
28	Paramagnetic 1H NMR Spectroscopy to Investigate the Catalytic Mechanism of Radical S-Adenosylmethionine Enzymes. Journal of Molecular Biology, 2019, 431, 4514-4522.	2.0	16
29	A signalling cascade involving receptor-activated phospholipase A2, glycerophosphoinositol 4-phosphate, Shp1 and Src in the activation of cell motility. Cell Communication and Signaling, 2019, 17, 20.	2.7	9
30	Real-Time Insights into Biological Events: In-Cell Processes and Protein-Ligand Interactions. Biophysical Journal, 2019, 116, 239-247.	0.2	35
31	In-house high-energy-remote SAD phasing using the magic triangle: how to tackle the P1 low symmetry using multiple orientations of the same crystal of human IBA57 to increase the multiplicity. Acta Crystallographica Section D: Structural Biology, 2019, 75, 317-324.	1.1	4
32	West-Life: A Virtual Research Environment for structural biology. Journal of Structural Biology: X, 2019, 1, 100006.	0.7	2
33	Structural properties of [2Fe-2S] ISCA2-IBA57: a complex of the mitochondrial iron-sulfur cluster assembly machinery. Scientific Reports, 2019, 9, 18986.	1.6	22
34	Cadmium effects on superoxide dismutase 1 in human cells revealed by NMR. Redox Biology, 2019, 21, 101102.	3.9	39
35	Metal cofactors trafficking and assembly in the cell: a molecular view. Pure and Applied Chemistry, 2019, 91, 231-245.	0.9	15
36	Conformational characterization of full-length X-chromosome-linked inhibitor of apoptosis protein (XIAP) through an integrated approach. IUCrJ, 2019, 6, 948-957.	1.0	5

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37	Identification of a novel nucleophosminâ€interaction motif in the tumor suppressor p14arf. FEBS Journal, 2018, 285, 832-847.	2.2	16
38	Protein networks in the maturation of human ironâ€“sulfur proteins. Metallomics, 2018, 10, 49-72.	1.0	79
39	Intracellular metal binding and redox behavior of human DJ-1. Journal of Biological Inorganic Chemistry, 2018, 23, 61-69.	1.1	26
40	The cysteine-reactive small molecule ebselen facilitates effective SOD1 maturation. Nature Communications, 2018, 9, 1693.	5.8	71
41	The NMR contribution to proteinâ€“protein networking in Feâ€“S protein maturation. Journal of Biological Inorganic Chemistry, 2018, 23, 665-685.	1.1	25
42	MetalPDB in 2018: a database of metal sites in biological macromolecular structures. Nucleic Acids Research, 2018, 46, D459-D464.	6.5	165
43	The cellular economy of the Saccharomyces cerevisiae zinc proteome. Metallomics, 2018, 10, 1755-1776.	1.0	66
44	Interaction of Half Oxa-/Half cis-Platin Complex with Human Superoxide Dismutase and Induced Reduction of Neurotoxicity. ACS Medicinal Chemistry Letters, 2018, 9, 1094-1098.	1.3	2
45	IBA57 Recruits ISCA2 to Form a [2Fe-2S] Cluster-Mediated Complex. Journal of the American Chemical Society, 2018, 140, 14401-14412.	6.6	44
46	Investigating the role of the human CIA2A-CIAO1 complex in the maturation of aconitase. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1980-1987.	1.1	13
47	A synthetic peptide that prevents cAMP regulation in mammalian hyperpolarization-activated cyclic nucleotide-gated (HCN) channels. ELife, 2018, 7, .	2.8	43
48	New structural and functional insights from in-cell NMR. Emerging Topics in Life Sciences, 2018, 2, 29-38.	1.1	2
49	Structural Knowledge for Molecular Optimization: The Cases of Metalâ€Mediated Proteinâ€“Protein Interactions and Structural Vaccinology. European Journal of Inorganic Chemistry, 2018, 2018, 4108-4116.	1.0	1
50	The human iron-proteomeâ€. Metallomics, 2018, 10, 1223-1231.	1.0	106
51	In-Cell NMR in Human Cells: Direct Protein Expression Allows Structural Studies of Protein Folding and Maturation. Accounts of Chemical Research, 2018, 51, 1550-1557.	7.6	73
52	In-cell NMR: a topical review. IUCrJ, 2017, 4, 108-118.	1.0	104
53	Structural insights into the molecular function of human [2Fe-2S] BOLA1-GRX5 and [2Fe-2S] BOLA3-GRX5 complexes. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2119-2131.	1.1	46
54	[4Fe-4S] Cluster Assembly in Mitochondria and Its Impairment by Copper. Journal of the American Chemical Society, 2017, 139, 719-730.	6.6	103

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55	Solution structure and interaction with copper in vitro and in living cells of the first BIR domain of XIAP. Scientific Reports, 2017, 7, 16630.	1.6	13
56	Anamorsin/Ndor1 Complex Reduces [2Feâ€“2S]-MitoNEET via a Transient Proteinâ€“Protein Interaction. Journal of the American Chemical Society, 2017, 139, 9479-9482.	6.6	30
57	A molecular chaperone activity of CCS restores the maturation of SOD1 fALS mutants. Scientific Reports, 2017, 7, 17433.	1.6	41
58	The Relationship between Environmental Dioxygen and Iron-Sulfur Proteins Explored at the Genome Level. PLoS ONE, 2017, 12, e0171279.	1.1	49
59	Mitochondrial Bol1 and Bol3 function as assembly factors for specific iron-sulfur proteins. ELife, 2016, 5, .	2.8	96
60	The Casein Kinase 2â€Ðependent Phosphorylation of NS5A Domainâ€…3 from Hepatitisâ€…C Virus Followed by Timeâ€Resolved NMR Spectroscopy. ChemBioChem, 2016, 17, 328-333.	1.3	5
61	Emergence of a Homo sapiens-specific gene family and chromosome 16p11.2 CNV susceptibility. Nature, 2016, 536, 205-209.	13.7	102
62	Characterization of proteins by in-cell NMR spectroscopy in cultured mammalian cells. Nature Protocols, 2016, 11, 1101-1111.	5.5	80
63	MetalPredator: a web server to predict ironâ€“sulfur cluster binding proteomes. Bioinformatics, 2016, 32, 2850-2852.	1.8	58
64	Exploiting Bacterial Operons To Illuminate Human Ironâ€“Sulfur Proteins. Journal of Proteome Research, 2016, 15, 1308-1322.	1.8	42
65	A Unique Tool for Cellular Structural Biology: In-cell NMR. Journal of Biological Chemistry, 2016, 291, 3776-3784.	1.6	80
66	Structural characterization of zinc-bound Zmp1, a zinc-dependent metalloprotease secreted by Clostridium difficile. Journal of Biological Inorganic Chemistry, 2016, 21, 185-196.	1.1	11
67	Direct structural evidence of protein redox regulation obtained by in-cell NMR. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 198-204.	1.9	42
68	Protein interaction patterns in different cellular environments are revealed by in-cell NMR. Scientific Reports, 2015, 5, 14456.	1.6	77
69	N-terminal domains mediate [2Fe-2S] cluster transfer from glutaredoxin-3 to anamorsin. Nature Chemical Biology, 2015, 11, 772-778.	3.9	71
70	Molecular Engineering of Ghfp, the Gonococcal Orthologue of Neisseria meningitidis Factor H Binding Protein. Vaccine Journal, 2015, 22, 769-777.	3.2	8
71	Loop recognition and copper-mediated disulfide reduction underpin metal site assembly of Cu _A in human cytochrome oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11771-11776.	3.3	58
72	Elucidating the Molecular Function of Human BOLA2 in GRX3-Dependent Anamorsin Maturation Pathway. Journal of the American Chemical Society, 2015, 137, 16133-16143.	6.6	64

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73	Formation of [4Fe-4S] Clusters in the Mitochondrial Ironâ€“Sulfur Cluster Assembly Machinery. Journal of the American Chemical Society, 2014, 136, 16240-16250.	6.6	114
74	Functional reconstitution of mitochondrial Fe/S cluster synthesis on Isu1 reveals the involvement of ferredoxin. Nature Communications, 2014, 5, 5013.	5.8	136
75	In-cell NMR reveals potential precursor of toxic species from SOD1 fALS mutants. Nature Communications, 2014, 5, 5502.	5.8	103
76	[2Fe-2S] cluster transfer in ironâ€“sulfur protein biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6203-6208.	3.3	116
77	Structural basis for the mutual antagonism of cAMP and TRIP8b in regulating HCN channel function. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14577-14582.	3.3	68
78	Structural insights of proteins in sub-cellular compartments: In-mitochondria NMR. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2492-2496.	1.9	21
79	Solid-state NMR studies of metal-free SOD1 fibrillar structures. Journal of Biological Inorganic Chemistry, 2014, 19, 659-666.	1.1	5
80	Biological inorganic chemists pay tribute to Ivano Bertini. Journal of Biological Inorganic Chemistry, 2014, 19, 487-489.	1.1	0
81	An Intrinsically Disordered Domain Has a Dual Function Coupled to Compartment-Dependent Redox Control. Journal of Molecular Biology, 2013, 425, 594-608.	2.0	16
82	Metallomics and the Cell: Some Definitions and General Comments. Metal Ions in Life Sciences, 2013, 12, 1-13.	2.8	36
83	Human anamorsin binds [2Feâ€“2S] clusters with unique electronic properties. Journal of Biological Inorganic Chemistry, 2013, 18, 883-893.	1.1	50
84	Atomic-resolution monitoring of protein maturation in live human cells by NMR. Nature Chemical Biology, 2013, 9, 297-299.	3.9	204
85	Mechanistic Aspects of hSOD1 Maturation from the Solution Structure of Cu^Iâ€Loaded hCCS Domain 1 and Analysis of Disulfideâ€Free hSOD1 Mutants. ChemBioChem, 2013, 14, 1839-1844.	1.3	24
86	Visualization of Redox-Controlled Protein Fold in Living Cells. Chemistry and Biology, 2013, 20, 747-752.	6.2	54
87	Molecular view of an electron transfer process essential for ironâ€“sulfur protein biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7136-7141.	3.3	63
88	Human superoxide dismutase 1 (hSOD1) maturation through interaction with human copper chaperone for SOD1 (hCCS). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13555-13560.	3.3	120
89	Structure of Biomolecules: Fundamentals. , 2012, , 7-32.		1
90	Cyanobacterial metallochaperone inhibits deleterious side reactions of copper. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 95-100.	3.3	91

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91	Structure of Nucleophosmin DNA-binding Domain and Analysis of Its Complex with a G-quadruplex Sequence from the c-MYC Promoter. Journal of Biological Chemistry, 2012, 287, 26539-26548.	1.6	54
92	Structural characterization of CHCHD5 and CHCHD7: Two atypical human twin CX9C proteins. Journal of Structural Biology, 2012, 180, 190-200.	1.3	26
93	An Electron-Transfer Path through an Extended Disulfide Relay System: The Case of the Redox Protein ALR. Journal of the American Chemical Society, 2012, 134, 1442-1445.	6.6	40
94	Targeting and Maturation of Erv1/ALR in the Mitochondrial Intermembrane Space. ACS Chemical Biology, 2012, 7, 707-714.	1.6	25
95	Ivano Bertini 1940â€“2012. Nature Chemical Biology, 2012, 8, 807-807.	3.9	2
96	Interaction of Cisplatin with Human Superoxide Dismutase. Journal of the American Chemical Society, 2012, 134, 7009-7014.	6.6	65
97	The Factor H Binding Protein of Neisseria meningitidis Interacts with Xenosiderophores in Vitro. Biochemistry, 2012, 51, 9384-9393.	1.2	17
98	HIV-1 Tat Promotes Integrin-Mediated HIV Transmission to Dendritic Cells by Binding Env Spikes and Competes Neutralization by Anti-HIV Antibodies. PLoS ONE, 2012, 7, e48781.	1.1	56
99	NMR Characterization of a â€œFibril-Readyâ€•State of Demetalated Wild-Type Superoxide Dismutase. Journal of the American Chemical Society, 2011, 133, 345-349.	6.6	12
100	Probing the Interaction of Cisplatin with the Human Copper Chaperone Atox1 by Solution and In-Cell NMR Spectroscopy. Journal of the American Chemical Society, 2011, 133, 18361-18369.	6.6	114
101	Copper exposure effects on yeast mitochondrial proteome. Journal of Proteomics, 2011, 74, 2522-2535.	1.2	20
102	In-cell NMR in E. coli to Monitor Maturation Steps of hSOD1. PLoS ONE, 2011, 6, e23561.	1.1	62
103	Seeking the determinants of the elusive functions of Sco proteins. FEBS Journal, 2011, 278, 2244-2262.	2.2	49
104	Sco proteins are involved in electron transfer processes. Journal of Biological Inorganic Chemistry, 2011, 16, 391-403.	1.1	19
105	Anamorsin Is a [2Fe-2S] Cluster-Containing Substrate of the Mia40-Dependent Mitochondrial Protein Trapping Machinery. Chemistry and Biology, 2011, 18, 794-804.	6.2	65
106	Rational Design of a Meningococcal Antigen Inducing Broad Protective Immunity. Science Translational Medicine, 2011, 3, 91ra62.	5.8	135
107	Structural and Functional Characterization of the Streptococcus pneumoniae RrgB Pilus Backbone D1 Domain. Journal of Biological Chemistry, 2011, 286, 14588-14597.	1.6	21
108	Molecular recognition and substrate mimicry drive the electron-transfer process between MIA40 and ALR. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4811-4816.	3.3	92

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109	Functional Role of Two Interhelical Disulfide Bonds in Human Cox17 Protein from a Structural Perspective. Journal of Biological Chemistry, 2011, 286, 34382-34390.	1.6	22
110	Cellular copper distribution: a mechanistic systems biology approach. Cellular and Molecular Life Sciences, 2010, 67, 2563-2589.	2.4	145
111	NMR in structural proteomics and beyond. Progress in Nuclear Magnetic Resonance Spectroscopy, 2010, 56, 247-266.	3.9	35
112	NMR structural analysis of the soluble domain of ZiaA-ATPase and the basis of selective interactions with copper metallochaperone Atx1. Journal of Biological Inorganic Chemistry, 2010, 15, 87-98.	1.1	19
113	Effect of the redox state on HIV-1 tat protein multimerization and cell internalization and trafficking. Molecular and Cellular Biochemistry, 2010, 345, 105-118.	1.4	15
114	Affinity gradients drive copper to cellular destinations. Nature, 2010, 465, 645-648.	13.7	395
115	Molecular chaperone function of Mia40 triggers consecutive induced folding steps of the substrate in mitochondrial protein import. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20190-20195.	3.3	116
116	The Binding Mode of ATP Revealed by the Solution Structure of the N-domain of Human ATP7A. Journal of Biological Chemistry, 2010, 285, 2537-2544.	1.6	23
117	Molecular recognition in copper trafficking. Natural Product Reports, 2010, 27, 695.	5.2	78
118	A novel intermembrane spaceâ€“targeting signal docks cysteines onto Mia40 during mitochondrial oxidative folding. Journal of Cell Biology, 2009, 187, 1007-1022.	2.3	144
119	Structural and dynamic aspects related to oligomerization of apo SOD1 and its mutants. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6980-6985.	3.3	109
120	Solution Structure of the Factor H-binding Protein, a Survival Factor and Protective Antigen of Neisseria meningitidis. Journal of Biological Chemistry, 2009, 284, 9022-9026.	1.6	55
121	An NMR Study of the Interaction of the N-terminal Cytoplasmic Tail of the Wilson Disease Protein with Copper(I)-HAH1. Journal of Biological Chemistry, 2009, 284, 9354-9360.	1.6	88
122	The coiled coilâ€helixâ€coiled coilâ€helix proteins may be redox proteins. FEBS Letters, 2009, 583, 1699-1702.	1.3	25
123	MIA40 is an oxidoreductase that catalyzes oxidative protein folding in mitochondria. Nature Structural and Molecular Biology, 2009, 16, 198-206.	3.6	230
124	Solution Structures of the Actuator Domain of ATP7A and ATP7B, the Menkes and Wilson Disease Proteins. Biochemistry, 2009, 48, 7849-7855.	1.2	36
125	Copper trafficking in biology: An NMR approach. HFSP Journal, 2009, 3, 165-175.	2.5	14
126	Epitope Mapping of a Bactericidal Monoclonal Antibody against the Factor H Binding Protein of Neisseria meningitidis. Journal of Molecular Biology, 2009, 386, 97-108.	2.0	44

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127	Structure and dynamics of copper-free SOD: The protein before binding copper. Protein Science, 2009, 11, 2479-2492.	3.1	70
128	Copper(I)-mediated proteinâ€“protein interactions result from suboptimal interaction surfaces. Biochemical Journal, 2009, 422, 37-42.	1.7	85
129	The copper-responsive repressor CopR of Lactococcus lactis is a â€˜winged helixâ€™ protein. Biochemical Journal, 2009, 417, 493-499.	1.7	21
130	Occurrence of Copper Proteins through the Three Domains of Life: A Bioinformatic Approach. Journal of Proteome Research, 2008, 7, 209-216.	1.8	184
131	Structural and Dynamic Characterization of Intrinsically Disordered Human Securin by NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 16873-16879.	6.6	67
132	Mechanism of CuA assembly. Nature Chemical Biology, 2008, 4, 599-601.	3.9	113
133	Structure and Cu(I)-binding properties of the N-terminal soluble domains of Bacillus subtilis CopA. Biochemical Journal, 2008, 411, 571-579.	1.7	34
134	Metal Binding Domains 3 and 4 of the Wilson Disease Protein: Solution Structure and Interaction with the Copper(I) Chaperone HAH1. Biochemistry, 2008, 47, 7423-7429.	1.2	93
135	A Structural-Dynamical Characterization of Human Cox17. Journal of Biological Chemistry, 2008, 283, 7912-7920.	1.6	91
136	Mitochondrial copper(I) transfer from Cox17 to Sco1 is coupled to electron transfer. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6803-6808.	3.3	162
137	SOD1 and Amyotrophic Lateral Sclerosis: Mutations and Oligomerization. PLoS ONE, 2008, 3, e1677.	1.1	160
138	Structural Genomics and Structural Proteomics: A Global Perspective. , 2008, , 505-537.		0
139	The Characterization and Role of Zinc Binding in Yeast Cox4. Journal of Biological Chemistry, 2007, 282, 8926-8934.	1.6	35
140	Metal-free superoxide dismutase forms soluble oligomers under physiological conditions: A possible general mechanism for familial ALS. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11263-11267.	3.3	219
141	The Different Intermolecular Interactions of the Soluble Copper-binding Domains of the Menkes Protein, ATP7A*. Journal of Biological Chemistry, 2007, 282, 23140-23146.	1.6	54
142	NMR Structural Analysis of Cadmium Sensing by Winged Helix Repressor CmtR. Journal of Biological Chemistry, 2007, 282, 30181-30188.	1.6	41
143	Human Sco1 functional studies and pathological implications of the P174L mutant. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15-20.	3.3	120
144	Interaction of the two soluble metal-binding domains of yeast Ccc2 with copper(I)â€“Atx1. Biochemical and Biophysical Research Communications, 2007, 364, 645-649.	1.0	24

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145	Catalytic domain of MMP20 (Enamelysin) â€“ The NMR structure of a new matrix metalloproteinase. FEBS Letters, 2007, 581, 4723-4726.	1.3	16
146	An idea whose time has come. Genome Biology, 2007, 8, 408.	13.9	6
147	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. Biochemistry, 2007, 46, 9953-9962.	1.2	25
148	Modeling Proteinâ^'Protein Complexes Involved in the CytochromecOxidase Copper-Delivery Pathway. Journal of Proteome Research, 2007, 6, 1530-1539.	1.8	27
149	The Functions of Sco Proteins from Genome-Based Analysis. Journal of Proteome Research, 2007, 6, 1568-1579.	1.8	56
150	Ab Initio Molecular Dynamics of Heme in Cytochrome c. Journal of Physical Chemistry B, 2007, 111, 1157-1164.	1.2	7
151	Non-heme iron through the three domains of life. Proteins: Structure, Function and Bioinformatics, 2007, 67, 317-324.	1.5	70
152	High-resolution NMR studies of the zinc-binding site of the Alzheimer's amyloid Î²-peptide. FEBS Journal, 2007, 274, 46-59.	2.2	226
153	A Structural Characterization of Human SCO2. Structure, 2007, 15, 1132-1140.	1.6	54
154	Molecular statistics of cytochrome c: structural plasticity and molecular environment. Journal of Biological Inorganic Chemistry, 2007, 12, 180-193.	1.1	6
155	Matrix metalloproteinaseâ€“inhibitor interaction: the solution structure of the catalytic domain of human matrix metalloproteinase-3 with different inhibitors. Journal of Biological Inorganic Chemistry, 2007, 12, 1197-1206.	1.1	29
156	Counting the Zinc-Proteins Encoded in the Human Genome. Journal of Proteome Research, 2006, 5, 196-201.	1.8	887
157	Zinc through the Three Domains of Life. Journal of Proteome Research, 2006, 5, 3173-3178.	1.8	544
158	Structural Basis for Metal Binding Specificity: the N-terminal Cadmium Binding Domain of the P1-type ATPase CadA. Journal of Molecular Biology, 2006, 356, 638-650.	2.0	59
159	The Atx1-Ccc2 complex is a metal-mediated protein-protein interaction. Nature Chemical Biology, 2006, 2, 367-368.	3.9	204
160	An Italian contribution to structural genomics: Understanding metalloproteins. Coordination Chemistry Reviews, 2006, 250, 1419-1450.	9.5	14
161	Solution Structure of the Immunodominant Domain of Protective Antigen GNA1870 of Neisseria meningitidis. Journal of Biological Chemistry, 2006, 281, 7220-7227.	1.6	37
162	Human SOD1 before Harboring the Catalytic Metal. Journal of Biological Chemistry, 2006, 281, 2333-2337.	1.6	73

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163	The delivery of copper for thylakoid import observed by NMR. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8320-8325.	3.3	55
164	A hint for the function of human Sco1 from different structures. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8595-8600.	3.3	99
165	Structure of human Wilson protein domains 5 and 6 and their interplay with domain 4 and the copper chaperone HAH1 in copper uptake. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5729-5734.	3.3	150
166	Solution Structure and Intermolecular Interactions of the Third Metal-binding Domain of ATP7A, the Menkes Disease Protein. Journal of Biological Chemistry, 2006, 281, 29141-29147.	1.6	38
167	An NMR study of the interaction between the human copper(I) chaperone and the second and fifth metal-binding domains of the Menkes protein. FEBS Journal, 2005, 272, 865-871.	2.2	57
168	Folding Studies of Cox17 Reveal an Important Interplay of Cysteine Oxidation and Copper Binding. Structure, 2005, 13, 713-722.	1.6	121
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