Lucia Banci

List of Articles by Year in descending order

399 PR articles	18,535 PR citations	7828 72 PR h-index	11661 133 g-index
428 documents	22356 doc citations	7338 79 h-index	20278 citing authors

#	Article	IF	Citations
1	MIA40 circumvents the folding constraints imposed by TRIAP1 function. Journal of Biological Chemistry, 2025, 301, 108268.	2.2	2
2	Protein structure and interactions elucidated with in-cell NMR for different cell cycle phases and in 3D human tissue models. Communications Biology, 2025, 8, .	4.4	6
3	Ligand-Based Competition Binding by Real-Time 19F NMR in Human Cells. Journal of Medicinal Chemistry, 2024, 67, 1115-1126.	5.6	14
4	Targeting the Main Protease (Mpro, nsp5) by Growth of Fragment Scaffolds Exploiting Structure-Based Methodologies. ACS Chemical Biology, 2024, 19, 563-574.	3.7	7
5	Biochemical and cellular characterization of the CISD3 protein: Molecular bases of cluster release and destabilizing effects of nitric oxide. Journal of Biological Chemistry, 2024, 300, 105745.	2.2	7
6	Controlling the incorporation of fluorinated amino acids in human cells and its structural impact. Protein Science, 2024, 33, .	5.9	6
7	Structural aspects of ironâ€‘sulfur protein biogenesis: An NMR view. Biochimica Et Biophysica Acta - Molecular Cell Research, 2024, 1871, 119786.	3.6	5
8	A systematic study on the effect of protonation and deuteration on electron spin Tm/T2 in a cellular context. Physical Chemistry Chemical Physics, 2024, 26, 20246-20250.	2.7	2
9	Towards cost-effective side-chain isotope labelling of proteins expressed in human cells. Journal of Biomolecular NMR, 2024, 78, 237-247.	1.5	6
10	The future of integrated structural biology. Structure, 2024, 32, 1563-1580.	3.8	30
11	Defects in the Maturation of Mitochondrial Ironâ€“Sulfur Proteins: Biophysical Investigation of the MMDS3 Causing Gly104Cys Variant of IBA57. International Journal of Molecular Sciences, 2024, 25, 10466.	4.4	0
12	The synthesis of specifically isotope labelled fluorotryptophan and its use in mammalian cell-based protein expression for 19F-NMR applications. Chemical Communications, 2024, 60, 14188-14191.	3.4	3
13	Metal trafficking in the cell: Combining atomic resolution with cellular dimension. FEBS Letters, 2023, 597, 122-133.	2.7	4
14	Relaxation-based NMR assignment: Spotlights on ligand binding sites in human CISD3. Journal of Inorganic Biochemistry, 2023, 239, 112089.	3.0	12
15	Direct Expression of Fluorinated Proteins in Human Cells for 19F In-Cell NMR Spectroscopy. Journal of the American Chemical Society, 2023, 145, 1389-1399.	15.0	53
16	Unraveling the mechanism of [4Feâ€4S] cluster assembly on the Nâ€terminal cluster binding site of NUBP1. Protein Science, 2023, 32, .	5.9	8
17	Structural Plasticity of NFU1 Upon Interaction with Binding Partners: Insights into the Mitochondrial [4Fe-4S] Cluster Pathway. Journal of Molecular Biology, 2023, 435, 168154.	4.1	3
18	In-cell NMR: recent progresses and future challenges. Rendiconti Lincei, 2023, 34, 653-661.	2.4	21

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19	Understanding the Molecular Basis of the Multiple Mitochondrial Dysfunctions Syndrome 2: The Disease-Causing His96Arg Mutation of BOLA3. International Journal of Molecular Sciences, 2023, 24, 11734.	4.4	1
20	Tony W. Keller (1937â€“2023). Angewandte Chemie, 2023, 135, .	1.4	0
21	Enlarging the scenario of site directed 19F labeling for NMR spectroscopy of biomolecules. Scientific Reports, 2023, 13, .	3.4	6
22	Radio Signals from Live Cells: The Coming of Age of In-Cell Solution NMR. Chemical Reviews, 2022, 122, 9267-9306.	52.6	77
23	Protein-Interaction Affinity Gradient Drives [4Feâ€“4S] Cluster Insertion in Human Lipoyl Synthase. Journal of the American Chemical Society, 2022, 144, 5713-5717.	15.0	12
24	In-cell NMR: From target structure and dynamics to drug screening. Current Opinion in Structural Biology, 2022, 74, 102374.	6.4	26
25	Molecular Basis of Rare Diseases Associated to the Maturation of Mitochondrial [4Fe-4S]-Containing Proteins. Biomolecules, 2022, 12, 1009.	4.2	29
26	2D NMR Analysis as a Sensitive Tool for Evaluating the Higher-Order Structural Integrity of Monoclonal Antibody against COVID-19. Pharmaceutics, 2022, 14, 1981.	4.9	4
27	Protein delivery to living cells by thermal stimulation for biophysical investigation. Scientific Reports, 2022, 12, .	3.4	7
28	Gold-Based Metal Drugs as Inhibitors of Coronavirus Proteins: The Inhibition of SARS-CoV-2 Main Protease by Auranofin and Its Analogs. Biomolecules, 2022, 12, 1675.	4.2	17
29	The Intriguing mitoNEET: Functional and Spectroscopic Properties of a Unique [2Fe-2S] Cluster Coordination Geometry. Molecules, 2022, 27, 8218.	4.2	13
30	The FDA-Approved Antiviral Raltegravir Inhibits Fascin1-Dependent Invasion of Colorectal Tumor Cells In Vitro and In Vivo. Cancers, 2021, 13, 861.	3.8	44
31	Protein in-cell NMR spectroscopy at 1.2ÂGHz. Journal of Biomolecular NMR, 2021, 75, 97-107.	1.5	68
32	The human YAE1-ORAOV1 complex of the cytosolic iron-sulfur protein assembly machinery binds a [4Fe-4S] cluster. Inorganica Chimica Acta, 2021, 518, 120252.	2.8	7
33	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.	1.3	15
34	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.	1.4	0
35	ISCA1 Orchestrates ISCA2 and NFU1 in the Maturation of Human Mitochondrial [4Fe-4S] Proteins. Journal of Molecular Biology, 2021, 433, 166924.	4.1	12
36	Molecular Basis of Multiple Mitochondrial Dysfunctions Syndrome 2 Caused by CYS59TYR BOLA3 Mutation. International Journal of Molecular Sciences, 2021, 22, 4848.	4.4	9

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37	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.	14.4	14
38	Rapid protein delivery to living cells for biomolecular investigation. Biochemical and Biophysical Research Communications, 2021, 570, 82-88.	2.1	14
39	Determination of intracellular proteinâ€“ligand binding affinity by competition binding in-cell NMR. Acta Crystallographica Section D: Structural Biology, 2021, 77, 1270-1281.	3.2	22
40	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.	0.6	4
41	SARS-CoV-2 Mproinhibition by a zinc ion: structural features and hints for drug design. Chemical Communications, 2021, 57, 7910-7913.	3.4	19
42	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.	4.4	24
43	A pathway for assembling [4Feâ€4S]²⁺ clusters in mitochondrial ironâ€“sulfur protein biogenesis. FEBS Journal, 2020, 287, 2312-2327.	5.4	40
44	Intracellular Binding/Unbinding Kinetics of Approved Drugs to Carbonic Anhydrase II Observed by in-Cell NMR. ACS Chemical Biology, 2020, 15, 2792-2800.	3.7	29
45	1H, 13C, and 15N backbone chemical shift assignments of the apo and the ADP-ribose bound forms of the macrodomain of SARS-CoV-2 non-structural protein 3b. Biomolecular NMR Assignments, 2020, 14, 339-346.	0.6	16
46	A combined NMR and EPR investigation on the effect of the disordered RGG regions in the structure and the activity of the RRM domain of FUS. Scientific Reports, 2020, 10, .	3.4	19
47	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.	15.0	24
48	NMR quality control of fragment libraries for screening. Journal of Biomolecular NMR, 2020, 74, 555-563.	1.5	24
49	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.	6.5	57
50	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.	2.5	17
51	Methylglyoxal interaction with superoxide dismutase 1. Redox Biology, 2020, 30, 101421.	10.8	43
52	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, 2020, 15, 85-89.	0.6	4
53	Drug Screening in Human Cells by NMR Spectroscopy Allows the Early Assessment of Drug Potency. Angewandte Chemie, 2020, 132, 6597-6601.	1.4	8
54	Drug Screening in Human Cells by NMR Spectroscopy Allows the Early Assessment of Drug Potency. Angewandte Chemie - International Edition, 2020, 59, 6535-6539.	14.4	62

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55	Paramagnetic 1H NMR Spectroscopy to Investigate the Catalytic Mechanism of Radical S-Adenosylmethionine Enzymes. Journal of Molecular Biology, 2019, 431, 4514-4522.	4.1	23
56	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, .	7.9	10
57	Real-Time Insights into Biological Events: In-Cell Processes and Protein-Ligand Interactions. Biophysical Journal, 2019, 116, 239-247.	2.2	47
58	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.	3.2	5
59	West-Life: A Virtual Research Environment for structural biology. Journal of Structural Biology: X, 2019, 1, 100006.	1.9	2
60	Structural properties of [2Fe-2S] ISCA2-IBA57: a complex of the mitochondrial iron-sulfur cluster assembly machinery. Scientific Reports, 2019, 9, .	3.4	26
61	Cadmium effects on superoxide dismutase 1 in human cells revealed by NMR. Redox Biology, 2019, 21, 101102.	10.8	51
62	Metal cofactors trafficking and assembly in the cell: a molecular view. Pure and Applied Chemistry, 2019, 91, 231-245.	1.9	18
63	Conformational characterization of full-length X-chromosome-linked inhibitor of apoptosis protein (XIAP) through an integrated approach. IUCrJ, 2019, 6, 948-957.	3.0	6
64	Identification of a novel nucleophosminâ€interaction motif in the tumor suppressor p14arf. FEBS Journal, 2018, 285, 832-847.	5.4	19
65	Protein networks in the maturation of human ironâ€“sulfur proteins. Metallomics, 2018, 10, 49-72.	2.6	100
66	The cysteine-reactive small molecule ebselen facilitates effective SOD1 maturation. Nature Communications, 2018, 9, .	13.7	106
67	The NMR contribution to proteinâ€“protein networking in Feâ€“S protein maturation. Journal of Biological Inorganic Chemistry, 2018, 23, 665-685.	2.5	35
68	MetalPDB in 2018: a database of metal sites in biological macromolecular structures. Nucleic Acids Research, 2018, 46, D459-D464.	15.5	231
69	The cellular economy of the Saccharomyces cerevisiae zinc proteome. Metallomics, 2018, 10, 1755-1776.	2.6	92
70	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.	3.3	3
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73	New structural and functional insights from in-cell NMR. Emerging Topics in Life Sciences, 2018, 2, 29-38.	2.8	3
74	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.	1.8	1
75	The human iron-proteomeâ€. Metallomics, 2018, 10, 1223-1231.	2.6	162
76	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.	17.0	90
77	In-cell NMR: a topical review. IUCrJ, 2017, 4, 108-118.	3.0	121
78	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.	2.0	49
79	[4Fe-4S] Cluster Assembly in Mitochondria and Its Impairment by Copper. Journal of the American Chemical Society, 2017, 139, 719-730.	15.0	157
80	Solution structure and interaction with copper in vitro and in living cells of the first BIR domain of XIAP. Scientific Reports, 2017, 7, .	3.4	17
81	Anamorsin/Ndor1 Complex Reduces [2Feâ€“2S]-MitoNEET via a Transient Proteinâ€“Protein Interaction. Journal of the American Chemical Society, 2017, 139, 9479-9482.	15.0	35
82	A molecular chaperone activity of CCS restores the maturation of SOD1 fALS mutants. Scientific Reports, 2017, 7, .	3.4	47
83	Intracellular metal binding and redox behavior of human DJ-1. Journal of Biological Inorganic Chemistry, 2017, 23, 61-69.	2.5	28
84	The Relationship between Environmental Dioxygen and Iron-Sulfur Proteins Explored at the Genome Level. PLoS ONE, 2017, 12, e0171279.	2.3	60
85	The Casein Kinase 2â€Dependent Phosphorylation of NS5A Domainâ€…3 from Hepatitisâ€…C Virus Followed by Timeâ€Resolved NMR Spectroscopy. ChemBioChem, 2016, 17, 328-333.	2.6	5
86	Emergence of a Homo sapiens-specific gene family and chromosome 16p11.2 CNV susceptibility. Nature, 2016, 536, 205-209.	37.9	121
87	MetalPredator: a web server to predict ironâ€“sulfur cluster binding proteomes. Bioinformatics, 2016, 32, 2850-2852.	4.7	74
88	Exploiting Bacterial Operons To Illuminate Human Ironâ€“Sulfur Proteins. Journal of Proteome Research, 2016, 15, 1308-1322.	3.4	49
89	A Unique Tool for Cellular Structural Biology: In-cell NMR. Journal of Biological Chemistry, 2016, 291, 3776-3784.	2.2	84
90	Direct structural evidence of protein redox regulation obtained by in-cell NMR. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 198-204.	3.6	44

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91	Protein interaction patterns in different cellular environments are revealed by in-cell NMR. Scientific Reports, 2015, 5, .	3.4	88
92	N-terminal domains mediate [2Fe-2S] cluster transfer from glutaredoxin-3 to anamorsin. Nature Chemical Biology, 2015, 11, 772-778.	11.8	78
93	Molecular Engineering of Ghfp, the Gonococcal Orthologue of Neisseria meningitidis Factor H Binding Protein. Vaccine Journal, 2015, 22, 769-777.	3.1	8
94	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.	7.5	66
95	Elucidating the Molecular Function of Human BOLA2 in GRX3-Dependent Anamorsin Maturation Pathway. Journal of the American Chemical Society, 2015, 137, 16133-16143.	15.0	73
96	Combining in-cell NMR and X-ray fluorescence microscopy to reveal the intracellular maturation states of human superoxide dismutase 1. Chemical Communications, 2015, 51, 584-587.	3.4	18
97	Structural characterization of zinc-bound Zmp1, a zinc-dependent metalloprotease secreted by Clostridium difficile. Journal of Biological Inorganic Chemistry, 2015, 21, 185-196.	2.5	14
98	Formation of [4Fe-4S] Clusters in the Mitochondrial Ironâ€“Sulfur Cluster Assembly Machinery. Journal of the American Chemical Society, 2014, 136, 16240-16250.	15.0	122
99	Functional reconstitution of mitochondrial Fe/S cluster synthesis on Isu1 reveals the involvement of ferredoxin. Nature Communications, 2014, 5, .	13.7	165
100	In-cell NMR reveals potential precursor of toxic species from SOD1 fALS mutants. Nature Communications, 2014, 5, .	13.7	110
101	[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.	7.5	127
102	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.	7.5	75
103	Structural insights of proteins in sub-cellular compartments: In-mitochondria NMR. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2492-2496.	3.6	22
104	Solid-state NMR studies of metal-free SOD1 fibrillar structures. Journal of Biological Inorganic Chemistry, 2014, 19, 659-666.	2.5	5
105	An Intrinsically Disordered Domain Has a Dual Function Coupled to Compartment-Dependent Redox Control. Journal of Molecular Biology, 2013, 425, 594-608.	4.1	20
106	Human anamorsin binds [2Feâ€“2S] clusters with unique electronic properties. Journal of Biological Inorganic Chemistry, 2013, 18, 883-893.	2.5	56
107	Atomic-resolution monitoring of protein maturation in live human cells by NMR. Nature Chemical Biology, 2013, 9, 297-299.	11.8	220
108	Mechanistic Aspects of hSOD1 Maturation from the Solution Structure of Culâ€Loaded hCCS Domain 1 and Analysis of Disulfideâ€Free hSOD1 Mutants. ChemBioChem, 2013, 14, 1839-1844.	2.6	24

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109	Visualization of Redox-Controlled Protein Fold in Living Cells. Chemistry and Biology, 2013, 20, 747-752.	4.7	59
110	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.	7.5	70
111	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.	7.5	132
112	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.	7.5	95
113	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.	2.2	62
114	Structural characterization of CHCHD5 and CHCHD7: Two atypical human twin CX9C proteins. Journal of Structural Biology, 2012, 180, 190-200.	2.3	29
115	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.	15.0	41
116	Targeting and Maturation of Erv1/ALR in the Mitochondrial Intermembrane Space. ACS Chemical Biology, 2012, 7, 707-714.	3.7	28
117	Corrigendum to â€œX-ray, NMR and molecular dynamics studies on reduced bovine superoxide dismutase: Implications for the mechanismâ€•[Biochem. Biophys. Res. Commun. 202 (1994) 1088â€“1095]. Biochemical and Biophysical Research Communications, 2012, 427, 439.	2.1	0
118	Interaction of Cisplatin with Human Superoxide Dismutase. Journal of the American Chemical Society, 2012, 134, 7009-7014.	15.0	76
119	The Factor H Binding Protein of Neisseria meningitidis Interacts with Xenosiderophores in Vitro. Biochemistry, 2012, 51, 9384-9393.	2.4	17
120	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.	2.3	63
121	NMR Characterization of a â€œFibril-Readyâ€•State of Demetalated Wild-Type Superoxide Dismutase. Journal of the American Chemical Society, 2011, 133, 345-349.	15.0	12
122	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.	15.0	119
123	Copper exposure effects on yeast mitochondrial proteome. Journal of Proteomics, 2011, 74, 2522-2535.	2.4	21
124	In-cell NMR in E. coli to Monitor Maturation Steps of hSOD1. PLoS ONE, 2011, 6, e23561.	2.3	63
125	Seeking the determinants of the elusive functions of Sco proteins. FEBS Journal, 2011, 278, 2244-2262.	5.4	49
126	Anamorsin Is a [2Fe-2S] Cluster-Containing Substrate of the Mia40-Dependent Mitochondrial Protein Trapping Machinery. Chemistry and Biology, 2011, 18, 794-804.	4.7	74

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127	Rational Design of a Meningococcal Antigen Inducing Broad Protective Immunity. Science Translational Medicine, 2011, 3, .	12.5	136
128	Structural and Functional Characterization of the Streptococcus pneumoniae RrgB Pilus Backbone D1 Domain. Journal of Biological Chemistry, 2011, 286, 14588-14597.	2.2	22
129	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.	7.5	101
130	Functional Role of Two Interhelical Disulfide Bonds in Human Cox17 Protein from a Structural Perspective. Journal of Biological Chemistry, 2011, 286, 34382-34390.	2.2	23
131	Cellular copper distribution: a mechanistic systems biology approach. Cellular and Molecular Life Sciences, 2010, 67, 2563-2589.	5.5	159
132	NMR in structural proteomics and beyond. Progress in Nuclear Magnetic Resonance Spectroscopy, 2010, 56, 247-266.	7.2	35
133	Effect of the redox state on HIV-1 tat protein multimerization and cell internalization and trafficking. Molecular and Cellular Biochemistry, 2010, 345, 105-118.	3.1	17
134	Affinity gradients drive copper to cellular destinations. Nature, 2010, 465, 645-648.	37.9	456
135	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.	7.5	127
136	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.	2.2	25
137	Molecular recognition in copper trafficking. Natural Product Reports, 2010, 27, 695.	10.6	85
138	Sco proteins are involved in electron transfer processes. Journal of Biological Inorganic Chemistry, 2010, 16, 391-403.	2.5	19
139	A novel intermembrane spaceâ€“targeting signal docks cysteines onto Mia40 during mitochondrial oxidative folding. Journal of Cell Biology, 2009, 187, 1007-1022.	5.4	160
140	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.	7.5	120
141	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.	2.2	59
142	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.	2.2	92
143	The coiled coilâ€helixâ€coiled coilâ€helix proteins may be redox proteins. FEBS Letters, 2009, 583, 1699-1702.	2.7	26
144	MIA40 is an oxidoreductase that catalyzes oxidative protein folding in mitochondria. Nature Structural and Molecular Biology, 2009, 16, 198-206.	8.8	245

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146	Epitope Mapping of a Bactericidal Monoclonal Antibody against the Factor H Binding Protein of Neisseria meningitidis. Journal of Molecular Biology, 2009, 386, 97-108.	4.1	45
147	Copper(I)-mediated proteinâ€“protein interactions result from suboptimal interaction surfaces. Biochemical Journal, 2009, 422, 37-42.	3.8	90
148	The copper-responsive repressor CopR of Lactococcus lactis is a â€˜winged helixâ€™ protein. Biochemical Journal, 2009, 417, 493-499.	3.8	22
149	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, 2009, 15, 87-98.	2.5	19
150	Occurrence of Copper Proteins through the Three Domains of Life: A Bioinformatic Approach. Journal of Proteome Research, 2008, 7, 209-216.	3.4	208
151	Structural and Dynamic Characterization of Intrinsically Disordered Human Securin by NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 16873-16879.	15.0	71
152	Mechanism of CuA assembly. Nature Chemical Biology, 2008, 4, 599-601.	11.8	118
153	Structure and Cu(I)-binding properties of the N-terminal soluble domains of Bacillus subtilis CopA. Biochemical Journal, 2008, 411, 571-579.	3.8	34
154	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.	2.4	94
155	A Structural-Dynamical Characterization of Human Cox17. Journal of Biological Chemistry, 2008, 283, 7912-7920.	2.2	99
156	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.	7.5	187
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158	The Characterization and Role of Zinc Binding in Yeast Cox4. Journal of Biological Chemistry, 2007, 282, 8926-8934.	2.2	35
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160	The Different Intermolecular Interactions of the Soluble Copper-binding Domains of the Menkes Protein, ATP7A*. Journal of Biological Chemistry, 2007, 282, 23140-23146.	2.2	56
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162	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.	7.5	121

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