

Cerm Publications in order of decreasing Impact Factor (IF)

(DECEMBER 2005)

1. Banci, L., Bertini, I., Ciofi-Baffoni, S., Katsari, E., Katsaros, N., Kubicek, K., and Mangani, S., A copper(I) protein possibly involved in the assembly of CuA center of bacterial cytochrome *c* oxidase., **Proc.Natl.Acad.Sci.USA**, 102, 3994-3999, 2005 (IF 10.272).
2. Banci, L., Bertini, I., Calderone, V., Cramaro, F., Del Conte, R., Fantoni, A., Mangani, S., Quattrone, A., and Viezzoli, M. S., A prokaryotic superoxide dismutase paralog lacking two Cu ligands: from largely unstructured in solution to ordered in the crystal, **Proc.Natl.Acad.Sci.USA**, 102, 7541-7546, 2005 (IF 10.272).
3. Bertini, I., Calderone, V., Cosenza, M., Fragai, M., Lee, Y.-M., Luchinat, C., Mangani, S., Terzi, B., and Turano, P., Conformational variability of MMPs: beyond a single 3D structure, **Proc.Natl.Acad.Sci.USA**, 102, 5334-5339, 2005 (IF 10.272).
4. Calderone, V., Del Bianco, C., Dolderer, B., Echner, H., Hartmann, H. J., Luchinat, C., Mangani, S., and Weser, U., The crystal structure of yeast copper thionein: The solution of a long-lasting enigma, **Proc.Natl.Acad.Sci.USA**, 102, 51-56, 2005 (IF 10.272).
5. Pascale, A., Amadio, A. L., Scapagnini, G., Lanni, C., Racchi, M., Provenzani, A., Govoni, S., Alkon, D. L., and Quattrone, A., Neuronal Elav proteins enhance mRNA stability by a PKCa-dependent pathway, **Proc.Natl.Acad.Sci.USA**, 102, 12065-12070, 2005 (IF 10.272).
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7. Bermel, W., Bertini, I., Duma, L., Emsley, L., Felli, I. C., Pierattelli, R., and Vasos, P. R., Complete assignment of heteronuclear protein resonances by protonless NMR spectroscopy, **Angew.Chem.Int.Ed.**, 44, 3089-3092, 13-5-2005 (IF 9.161).
8. Bertini, I., Gupta, Y. K., Luchinat, C., Parigi, G., Schlörb, C., and Schwalbe, H., NMR spectroscopic detection of protein protons and longitudinal relaxation rates between 0.01 and 50 MHz, **Angew.Chem.Int.Ed.**, 44, 2-4, 2005 (IF 9.161).
9. Andreini, C., Banci, L., Bertini, I., Elmi, S., and Rosato, A., A comparative analysis of the ADAM and ADAMTS families, **J.Proteome Res.**, 4, 881-888, 2005 (IF 6.917).
10. Arnesano, F., Banci, L., Bertini, I., and Martinelli, M., Ortholog search of proteins involved in copper delivery to Cytochrome *c* Oxidase and functional analysis of paralogs and gene neighbors by genomic context, **J.Proteome Res.**, 4, 63-70, 2005 (IF 6.917).
11. Banci, L., Benvenuti, M., Bertini, I., Cabelli, D., Calderone, V., Fantoni, A., Mangani, S., Migliardi, M., and Viezzoli, M. S., From an inactive prokaryotic SOD homolog to an active protein through site directed mutagenesis, **J.Am.Chem.Soc.**, 127, 13287-13292, 2005 (IF 6.903).
12. Bertini, I., Jiménez, B., Piccioli, M., and Poggi, L., Asymmetry in ¹³C-¹³C COSY spectra identifies geometry in paramagnetic proteins, **J.Am.Chem.Soc.**, 127, 12216-12217, 9-7-2005 (IF 6.903).
13. Caillet-Saguy, C., Delepierre, M., Lecroisey, A., Bertini, I., Piccioli, M., and Turano, P., Direct detected ¹³C NMR to investigate the Iron(III) hemophore HasA, **J.Am.Chem.Soc.**, [10.1021/ja054902h](https://doi.org/10.1021/ja054902h), 2005 (IF 6.903).
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15. Banci, L., Bertini, I., Cantini, F., Chasapis, C., Hadjiliadis, N., and Rosato, A., A NMR study of the interaction of a three-domain construct of ATP7A with copper(I) and copper(I)-HAH1: the interplay of domains, **J.Biol.Chem.**, 280, 38259-38263, 2005 (IF 6.355).

16. Musiani, F., Dikiy, A., Semenov, A. Y., and Ciurli, S., Modeling of Protein-protein interactions in photosynthetic systems: structure of the intermolecular complex between plastocyanin and cytochrome f from spinach, **J.Biol.Chem.**, 280, 18833-18841, 2005 (IF 6.355).
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22. Bertini, I., Luchinat, C., and Parigi, G., ¹H NMRD profiles of paramagnetic complexes and metalloproteins, **Adv.Inorg.Chem.**, 57, 105-172, 2005 (IF 3.769).
23. Kowalewski, J., Kruk, D., and Parigi, G., NMR relaxation in solution of paramagnetic complexes: recent theoretical progress for S>1, **Adv.Inorg.Chem.**, 57, 41-104, 2005 (IF 3.769).
24. Banci, L., Bertini, I., Chasapis, C., Ciofi-Baffoni, S., Hadjiliadis, N., and Rosato, A., 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 J.**, 272, 865-871, 2005 (IF 3.609).
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29. Bertini, I., Cavallaro, G., and Rosato, A., A structural model for the adduct between cytochrome c and cytochrome c oxidase, **J.Biol.Inorg.Chem.**, 10, 613-624, 2005 (IF 3.300).
30. Priem, A. H., Klaassen, A. A. K., Reijerse, E. J., Meyer, T. E., Luchinat, C., Capozzi, F., Dunham, W. R., and Hagen, W. R., EPR analysis of multiple forms of [4Fe-4S]³⁺ clusters in HPIPs, **J.Biol.Inorg.Chem.**, 10, 417-424, 2005 (IF 3.300).
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