

Lista delle pubblicazioni

Silvia Morante

1. G. Chirico, E. Dainese, V. Lombardi, P. Mariani, S. Morante, M. Paci, M. Reconditi, N. Rosato, T. Scopigno, G. Zanotti “FEL’s light into life: The value of SPARX for life sciences” (2009) submitted
2. P.R. Crippa, M. Eisner, S. Morante, F. Stellato, F. C. Vicentin, L. Zecca. “A XAS Study of the Sulphur Environment in Human Neuromelanin and its Synthetic Analogues” *European Biophysical Journal*, (2009), submitted
3. S. Alleva, A. Forlino, A. Lupi, V. Minicozzi, S. Morante, F. Stellato, R. Tenni. “Identifying the structure of the active sites of human Prolidase.” *European Biophysical Journal*, (2009), accepted
4. V. Minicozzi, S. Morante. “Cu involvement in prion oligopeptide stability: experiments and numerical simulations.” *International Journal of Quantum Chemistry* (2009) in press
5. F. Guerrieri, V. Minicozzi, S. Morante, G. C. Rossi, S. Furlan, G. La Penna. “Modeling the interplay of glycine protonation and multiple histidine binding of copper in the Prion protein octarepeat sub-domains” *Journal of Biological Inorganic Chemistry*, (2008), [10.1007/s00775-008-0454-8](https://doi.org/10.1007/s00775-008-0454-8).
6. S. Morante. “The rôle of metals in β -amyloid peptide aggregation: X-ray spectroscopy and numerical simulations” *Curr. Alz. Res.* **5** (6) 508-524 (2008) **invited review**.
7. V. Minicozzi, S. Morante, G.C. Rossi, F. Stellato, N. Christian, K. Jansen. “The role of metals in aggregation. Experiments and *ab initio* simulations” *International Journal of Quantum Chemistry*, **108** 1992-2015 (2008).
8. S. Morante. “Metal ions and protein aggregation: the case of Prion protein and β -amyloids” **invited review** in “*Biophysical Inquiry into Protein Aggregation and Amyloid Diseases*”, eds. D. Bulone and P.L. San Biagio, *Research Signpost Edition*, Ch. **3** (2008).
9. V. Minicozzi, F. Stellato, M. Comai, M. Dalla Serra, C. Potrich, W. Meyer-Klaucke, S. Morante. “Identifying the Minimal Cu and Zn Binding Site Sequence in Amyloid Beta Peptides” *J. Biol. Chem.* **283**, 10784-10792 (2008).
10. V. Minicozzi, S. Morante, G.C. Rossi, F. Stellato. “The rôle of Metals in Amyloid Aggregation: A Test Case for *ab initio* Simulations” *Comp. Mod. Sci. and Eng.* **963**, 92-97 (2007).
11. V. Minicozzi, S. Morante, G.C. Rossi, F. Stellato, K. Jansen, “The role of metals in misfolding and aggregation processes: X-ray spectroscopy and numerical simulations” in “*From Computational Biophysics to System*

- Biology*”, ed. by J. Meinke, O. Zimmermann, S. Mohanty, U.H.E. Hansmann, *NIC Series*, **36**, 223-225 (2007).
12. S. Furlan, F. Guerrieri, G. La Penna, S. Morante, G.C. Rossi. “Studying the Cu binding sites in the PrP N-terminal region. A test case for *ab initio* simulations” *European Biophysics Journal* **36**, 841-845 (2007).
 13. S. Furlan, G. La Penna, F. Guerrieri, S. Morante, G.C. Rossi. “*Ab initio* simulations of Cu binding sites on the N-terminal region of PrP” *Journal of Biological Inorganic Chemistry*, **12**, 571-583 (2007).
 14. S. Furlan, F. Guerrieri, G. La Penna, S. Morante, G.C. Rossi, “Simulations of the Cu binding sites in the N-terminal region of PrP” in “*From Computational Biophysics to System Biology*”, ed. by J. Meinke, O. Zimmermann, S. Mohanty, U.H.E. Hansmann, *NIC Series*, **34**, 153-156 (2006).
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 16. F. Stellato, G. Menestrina, M. DallaSerra, C. Potrich, R. Tomazzolli, W. Meyer-Klaucke, S. Morante. “Metal binding in amyloids beta peptides shows both intra- and inter-peptide coordination modes” *Eur. Biophys. J.* **35**, 340-351 (2006).
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