PUBLICATIONS

Articles in peer-reviewed journals

Protein folding and biological physics


G. Verkhivker, G. Tiana, C. Camilloni, D. Provasi and R. A. Broglia, Exploring the molecular basis of folding inhibition for unconventional HIV-1 protease inhibitors: a mechanism of structural mimicry in atomistic simulations of biomolecular binding, Proteins (to be published)


Atomic clusters


Clinical Pharmacology


Pandolfini C; Impicciatore P; Provasi D; Rocchi F; Campi R; Bonati M 2002. Off-label use of drugs in Italy: a prospective, observational and multicentre study Acta Paediatrica, Volume 91, Number 3, 1 March 2002, pp. 339-347

Conference Proceedings


Invited Talks

“Molecular hints on folding inhibition: simulations and experimental results” Congresso Nazionale della Società Italiana di Fisica, Pisa (Italy), (2007).


“Design of HIV-protease inhibitors which do not create resistance: blocking the folding of single monomers” (seminar) at University of Modena (2006).

“Ab-initio calculations of gold nanostructured superlattices” DFT 2005, Geneva (Switzerland), (2005).

“Theoretical design and experimental test of folding inhibitors of HIV protease” (talk) at Workshop Theoretical Physics Methods in Quantitative Biology, Universita Milano Bicocca, (Italy), (2004).

“Dispersion interactions in proteins. Towards an ab-initio approach” (contributed talk) at Congresso Nazionale della Società Italiana di Fisica, Alghero (Italy), (2002).

“Van der Waals interactions in biological matter. Quantum ab-initio calculations” School in Protein Aggregation, Les Houches (France), 9-18 April, (2002).


“Electron-phonon coupling and superconductivity in small carbon clusters” (invited talk) (Meeting of the National Institute for Nuclear Physics, Cortona (Italy), (1999).