

1. **"On-Line Preconcentration and Speciation Analysis of Cr(III) and Cr(VI) using Baker's Yeast Cells Immobilised on Controlled Pore Glass"**  
A. Menegario, P. Smichowski y G.I. Polla  
Analytica Chimica Acta **546** (2005) 244-250 [[abstract](#) ]
2. **"Application of Biological Substrates to the Speciation Analysis of Cr(III) and Cr(VI)"**  
B. Parodi, G.I. Polla, L. Valiente y P. Smichowski  
Atomic Spectroscopy **26(3)** (2005) 102-109 [[abstract](#) ]
3. **"Thermal Behaviour and Stability in Olanzapine"**  
D.R. Vega, G.I. Polla, H. Lanza, D.G. Tombari, R. Baggio, A.P. Ayala, J. Mendes Filho, D. Fernández y G. Dartayet  
International Journal of Pharmaceutics **301** (2005) 33-40 [[abstract](#) ]
4. **"The Role of Atomic Spectrometric Techniques in the Determination of Chemical Elements in Atmospheric Aerosols"**  
P. Smichowski, D. Gómez y G.I. Polla  
Current Analytical Chemistry **1(3)** 2005 1-22 [[abstract](#) ]
5. **"Metal Fractionation of Atmospheric Aerosols via Sequential Chemical Extraction: A Review"**  
P. Smichowski, G.I. Polla y D. Gómez  
Analytical Bioanalytical Chemistry ABC **381** (2005) 302-316 [[abstract](#) ]
6. **"Order and Disorder in the Local Evolutionary Minority Game"**  
E. Burgos, H. Ceva y R.P.J. Perazzo  
Physica A **354** (2005) 518 [[abstract](#) ]
7. **"Two Zn Sulfite Complexes with Aromatic Amines"**  
M.E. Díaz de Vivar, S. Baggio, J.C. Muñoz y R.F. Baggio  
Acta Cryst. **C61** (2005) m30-m33
8. **"New Pyrazolone Based Nitrado Complex: Synthesis and Nitrogen Transfer to Alkenes"**  
J. Belmar, F.R. Pérez, Y. Moreno, R.F. Baggio y O. Peña  
New. J. Chem. **29** (2005) 283-287 [[abstract](#) ]
9. **"X-Ray Study of Two New Cadmium Acetato Complexes"**  
M.A. Harvey, S. Baggio, M.T. Garland y R.F. Baggio  
J.Coord.Chem. **58, 3** (2005) 243-253 [[abstract](#) ]
10. **"Crystal Structure and Magnetic Properties of Lanthanide- Trans-2-Butenoate Networks (Ln = La, Pr, Dy, Ho)"**  
R.F. Baggio, M.T. Garland, O. Peña y M. Pereg  
Inorganica Chimica Acta **358** (2005) 2332-2340 [[abstract](#) ]

11. **"Two Cd and Hg Peroxodisulfate Complexes with Aromatic Amines"**  
M.A. Harvey, E. Díaz de Vivar, S. Baggio, M.T. Garland y R.F. Baggio  
Acta Cryst. **C61** (2005) *m240-244* [[abstract](#) ]
12. **"L-Tyrosyl-L-Leucine) Cu(II)"**  
R.F. Baggio, N.M.C. Casado, R. Calvo, R.E. Rapp y M.T. Garland  
Acta Cryst. **61** (2005) *m250-252* [[abstract](#) ]
13. **"(Acetato-O,O')-Bis(4,4'-Dimethyl-2,2'-Bipyridyl-N, N')-Zinc(ii) Trithionate Hydrate"**  
M.E. Díaz de Vivar, S. Baggio, A. Ibáñez y R.F. Baggio  
Acta Cryst. **61** (2005) *m289-m291*
14. **"Self-Assembly of the Cyclic Dimer [Cu(hfac)2(bpmu)]2 (bpmu = N,N'-bis(3-pyridylmethyl)urea; hfac = hexafluoroacetylacetonate ion) using Coordination Chemistry and Predictable O=C(N-H)2...O=C Hydrogen Bonds"**  
J. Granifo, M.T. Garland y R.F. Baggio  
Inorg.Chem. **8** (2005) *568-573*
15. **"Cu(C<sub>19</sub>H<sub>26</sub>N<sub>3</sub>O)<sub>2</sub>: A New Copper(II) Complex with a Chelating Alkylpyrazolone-Based Enamine"**  
F.R. Pérez, J. Belmar, C. Jiménez, Y. Moreno, P. Hermosilla y R.F. Baggio  
Acta Cryst. **C61** (2005) *m318-m320*
16. **"6,19-Sulfur-Bridged Progesterone Analogues with Antiimmuno Suppressive Activity"**  
A.S. Veleiro, A. Pecci, M.C. Monteserín, R.F. Baggio, M.T. Garland, C.P. Lantos y G. Burton  
J. Medicinal Chemistry **48** (2005) *5675-83*
17. **"Organo-Inorganic Tetrameric Zinc Cluster with Phosphate Bridges. [Zn<sub>4</sub>(HPO<sub>4</sub>)<sub>4</sub>(phen)<sub>4</sub>](H<sub>3</sub>PO<sub>4</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>4</sub>"**  
D. Venegas-Yazigi, M. Cubillos, E. Le Fur, J.Y. Pivan, M.T. Garland, R.F. Baggio y E. Spodine  
Crystal Growth and Design **5** (2005) *1695-97*
18. **"3-(Triphenylphosphoranylidene)pentane-2,4-dione and diethyl 2-(triphenylphosphoranylidene)malonate"**  
F. Castañeda, C. Aliaga, C.A. Bunton, M.T. Garland y R.F. Baggio  
Acta Cryst. **C61** (2005) *o496-o499*
19.  **$\kappa$ "Catena[[aqua (3,4,7,8-tetramethyl-1,10-phenanthroline-<sup>2</sup> N, N') cadmium(II)]- $\mu_3$   $\kappa$ thiosulfato-<sup>3</sup> S:S:O]"**  
E. Díaz de Vivar, S. Baggio, M.T. Garland y R.F. Baggio  
Acta Cryst. **C61** (2005) *m494-m496*
20. **"Gadolinium and Neodymium Citrates: Evidence for Weak Ferromagnetic Exchange between Gadolinium(III) Cations"**  
R.F. Baggio, R. Calvo, M.T. Garland, O. Peña, M. Pereg y A. Rizzi  
Inorganica Chimica Acta **44** (2005) *8979-8987*
21. **"Di-m-sulfito-bis[(4,4'-dimethyl-2,2'bipyridine)zinc(II)] dihydrate and poly[[aqua(1,10-phenanthroline)-zinc(II)]-m3-sulfito-zinc(II)- m3-sulfito]"**

- M.E. Díaz de Vivar, S. Baggio, J.C. Muñoz y R.F. Baggio  
Acta Cryst. **C61** (2005) *m30-m33* [[abstract](#) ]
22. ***"Crystallographic Studies on Decameric Brucella spp. Lumazine Synthase: A Novel Quaternary Arrangement Evolved for a New Function?"***  
S. Klinke, V. Zylberman, D.R. Vega, B. Guimaraes, B.C. Bramen y F.A. Goldbaum  
J.Mol.Biol. **353** (2005) *124-137*
  23. ***"Crystal-field splittings and Kondo effect in CeM<sub>2</sub>Si<sub>2</sub> materials (M=Ru, Rh, Pd)"***  
V.L. Vildosola y M. Alouani and A.M. Llois  
Journal of Magnetism and Magnetic Materials **295** (2005) *180* [[abstract](#) ]
  24. ***"Spectral properties and crystal-field splittings in CeM<sub>2</sub>Si<sub>2</sub> (M=Ru, Rh, or Pd) compounds"***  
V.L. Vildosola, A.M. Llois y M. Alouani  
Phys. Rev. **B71** (2005) *184420* [[abstract](#) ]
  25. ***"Changes in the Structural and Magnetic Properties of Ni-Substituted Hematites Prepared from Metal Oxinates"***  
C. Saragovi, J. Arpe, E. Sileo, R. Zysler, L.C. Sanchez y C.A. Barrero  
Experimental Earth **3**, Issue 1 (2005)
  26. ***"Dynamic phase separation in La<sub>5/8-y</sub>PryCa<sub>3/8</sub>MnO<sub>3</sub>"***  
L. Ghivelder y F. Parisi  
Phys. Rev. **B71** (2005) *184425*
  27. ***"Prohesion and Outdoors Tests on Corrosion Products developed over Painted Galvanized Steel Sheets without Cr VI Species"***  
M. Zapponi, T. Pérez, C. Ramos y C. Saragovi  
Corrosion Science **47** (2005) *923-936* [[abstract](#) ]
  28. ***"The effect of magnetism on Fe diffusion: New experimental results and ab-initio calculations"***  
M. Weissmann, R. Perez, D.Torres y F. Dymont  
Defects and Diffusion Forum **462** (2005) *237-240*
  29. ***"Characterization of the surface states of Co(0001), Co(111) and ultrathin films of Co on Cu(111)"***  
M. Weissmann, A.Barral y A.M. Llois  
Phys. Rev. **B72** (2005) *125433*
  30. ***"Appearance of room temperature ferromagnetism in Cu doped TiO<sub>2</sub> films"***  
M. Weissmann, S. Duhalde y L. Errico et al  
Phys. Rev. **B72(R)** (2005) *161313*
  31. ***"Theoretical study of magnetism in transition metal doped TiO<sub>2</sub>"***  
M. Weissmann, L. Errico y M. Renteria  
Phys. Rev. **B72** (2005)
  32. ***"The Electrical Current Effect in Phase Separated La<sub>5/8-y</sub>PryCa<sub>3/8</sub>MnO<sub>3</sub>: Charge Order"***

***Melting vs. Joule Heating"***

J. Sacanell, A.G. Leyva y P. Levy

Journal of Applied Physics **55(1-1)** [[abstract](#) ]

33. ***"Semimetallic Antiferromagnetism in the Half-Heusler Compound CuMnSb"***

R. Weht

Physical Review **B71** (2005) 184103 [[abstract](#) ]

34. ***"Simultaneous Electric and Magnetic Field Induced Non-Volatile Memory"***

M. Quintero, A.G. Leyva y P. Levy

Applied Physics Letters **86** (2005) 242102 [[abstract](#) ]

35. ***"Room Temperature Ferromagnetism in Nanoparticle Assembled Nanotubes"***

J. Curiale, R.D. Sánchez, H.E. Troiani, A.G. Leyva y P. Levy

Applied Physics Letters **B87** (2005) 043113 [[abstract](#) ]