

1. Comparison of Dissipative Particle Dynamics and Langevin thermostats for out-of-equilibrium simulations of polymeric systems C. Pastorino, T. Kreer, M. Müller and K. Binder, *Phys. Rev. E* 76, 026706 (2007)
2. Volume effects on the crystal-field splittings of CeZ (Z=Sb,Te). P. Roura-Bas , V. Vildosola and A. M. Llois. *Physica B* 398 (2007) 442.
3. Evolution of the crystal-field splittings in the compounds CeX (X=P, As, Sb, Bi) and CeY (Y=S, Se, Te) and their alloys CeX_{1-x}Y_x. P. Roura-Bas , V. Vildosola and A. M. Llois. *Phys. Rev. B* 75 , 195129 (2007).
4. Influence of the genesis in the structural and hyperfine properties of Cr-substituted hematites. E.E. Sileo, D. Pérez Daroca, C.A. Barrero, A. Larralde, M S Giberti and C. Saragovi, *Chemical Geology* 238 (1-2), 84-93 (2007).
5. Some new experimental results on the Zr-Nb-Fe system. C. Ramos, C. Saragovi, M. Granovsky. *Journal of Nuclear Materials* 366, 198-205, (2007)
6. Ab initio electronic structure calculations for Mn linear chains deposited on CuN/Cu(001) surfaces". Maria Andrea Barral, Ruben Weht, Gustavo Lozano, Ana Maria Llois. *Physica B* 398 (2007) 369–371.
7. Mössbauer spectroscopy characterization of Zr-Nb-Fe phases. C. Ramos, M.Granovsky, C.Saragovi. *Physica B* 389/1, 67-72, (2007)
8. "Increased stability and DNA site discrimination of "single chain" variants of the dimeric β barrel DNA binding domain of the human papilloma virus E2 transcriptional regulator". Dellarole, M., Sánchez I. E., E. Freire, de Prat Gay G., *Biochemistry*. (2007) 30;46(43):12441-50.
9. Site preference of ternary alloying additions to PdTi and PtTi. G.Bozzolo, H.O.Mosca and R. Noebe. *Intermetallics* 15, 901-911 (2007)
10. Modeling of additive behavior in multicomponent alloys. G.Bozzolo, J.Garces, H.O.Mosca, P.Gargano, R.Noebe and P.Abel En el libro "Applied Computational Materials Modeling: Theory, Simulations and Experiment" ed G.Bozzolo, P. Abel and R. D. Noebe, Pag 215-254 (2007) Kluwer Academic Publishing (Springer) ISBN 038723117X
11. Surface energies of the solid solutions between Ti, V, Cr, Zr, Nb, Mo, Hf, Ta and W H.O.Mosca and G.Bozzolo. *Surface Science* 601, 3224-3232(2007)
12. Modeling of the deposition of Ni and Pd on Mo(110) A. Canzian, H.O.Mosca and G.Bozzolo *Applied Surface Science* 254, 392-396 (2007)

13. Magnetic order in RMn_2Ge_2 ($\text{R} = \text{Y, Ca}$) compounds and their solid solutions with LaMn_2Ge_2 . S. Di Napoli, A.M. Llois, G. Bihlmayer, S. Bluegel. *Phys Rev B* 75, 104406 (2007)
14. Tunneling magnetoresistance of $\text{Fe}/\text{ZnSe}(001)$ single and double barrier junctions as a function of interface structure. J.Peralta-ramos and Ana María Llois, *Physica B* 398, 393 (2007)
15. Semiclassical electronic transport calculations in multilayered granular alloys. Julián Milano and Ana María Llois *J. Appl. Phys.* 102, 013705 (2007)
16. Ab initio electronic structure calculations for Mn linear chains deposited on $\text{CuN}/\text{Cu}(001)$ surfaces. Andrea Barral, Rubén Weht, Gustavo Lozano and Ana María Llois. *Physica B* 398, 369 (2007)
17. The role of the dopant in the magnetism of Fe-doped SnO_2 films. C.Rodríguez-Torres, L.Errico, F.Golmar, A.M. Mudarra, A.F.Cabrera, S.Duhalde, F.Sanchez and M.Weissmann *J.Mag.Magn.Mat.* 316,e-219,(2007).
18. The role of vacancies, impurities and crystal structure in the magnetic properties of TiO_2 . M.Weissmann and L.Errico. *Physica B* 398, 179 (2007)
19. Synthesis and characterization $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ and $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ nanotubes for cathode of solid - oxide fuel cells. J. Sacanell, M. G. Bellino, D. G. Lamas, and A. G. Leyva. *Physica B* 398, 341-343 (2007)
20. Correlation between electrical and magnetic properties of phase separated manganites studied with a General Effective Medium model. J. Sacanell, M. Quintero, F. Parisi, L. Ghivelder, A. G. Leyva, and P. Levy. *Physica B* 398, 238-240 (2007)
21. Performance of $\text{Ag}/\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-x}\text{Fe}_x\text{O}_3$ ($x = 0;0.8$) Nanotube Composite Cathodes for IT-SOFCs. M. G. Bellino, J. G. Sacanell, D. G. Lamas, A. G. Leyva, and N. E. Walsöe de Reca. *ECS Transactions - Solid Oxide Fuel Cells* 2007, 7, (1) 1299 (2007)
22. Phase diagram of $\text{La}_{5/8-y}\text{Nd}_y\text{Ca}_{3/8}\text{MnO}_3$ manganites. J. Sacanell, P. Levy, G. Leyva, F. Parisi, L. Ghivelder. *Journal of Physics: Condensed Matter* 19, 186226 (2007).
23. Particle sliding in ceramic LaMnO_3 ” H.R.Salva, A.A.Ghilarducci, A.G.Leyva y S.S.Seiro. *J. of Magnetism and Magnetic Materials* 310 (2007) c626-c628.
24. High-performance solid-oxide fuel cell cathodes based on cobaltite nanotubes” M.G.Bellino, J.G.Sacanell, D.G.Lamas, A.G.Leyva and N.E.Walsöe. *J.Am.Chem.Soc.* 129 (2007) 3066.
25. Relationship between the synthesis parameters and the morphology of manganite nanoparticle assembled nanostructures” A.G.Leyva, H.E.Troiani, C.J.Curiale, R.D.Sanchez and P.Levy. *Physica B: Condensed Matter*, 398 (2), 344-347, (2007).
26. Pressure effects on nanostructured manganites” C.Acha, G.Garbarino and A.G.Leyva.

Physica B: Condensed Matter, 398 (2007) 212- 214.

27. Synthesis and magnetic properties of iron oxide – silica aerogel nanocomposites” M.B. Fernández van Raap, F.H. Sanchez, A.G. Leyva, M.L. Japas, E. Cabanillas, H. Troiani; Physica B, 398 (2), 229-234, (2007).
28. Mechanism of Electric-Pulse-Induced Resistance Switching in Manganites” M. Quintero, P. Levy, A. G. Leyva, and M. J. Rozenberg. Physical Review Letters 98, 116601 (2007).
29. Treatment of phenylmercury salts by heterogeneous photocatalysis over TiO₂” Emmanuel M. de la Fournière, Ana G. Leyva , Eduardo Gautier, Marta I. Litter. Chemosphere, 69 (2007) 682–688.
30. “Photocatalytic removal of Pb(II) over TiO₂ and Pt-TiO₂ powders”, L. Murrini, A.G. Leyva and M. I. Litter, Catalysis Today 129 (2007) 127–135.
31. - Magnetic interactions in ferromagnetic manganite nanotubes of different diameters” J.Curiale, R.D.Sanchez, H.E.Troiani, A.G.Leyva, P.Levy. Applied Surface Science 254 (2007) 368-370.
32. Magnetism of manganite nanotubes constituted by assembled nanoparticles” J.Curiale, R.D.Sanchez, H.E.Troiani, C.A.Ramos, H.Pastoriza, A.G.Leyva, P.Levy. Phys. Rev. B, 75, 224410 (2007).
33. Ba₆(C₂H₃H₂)₁₂ · (H₂O)_{3.5} , a new hydrate of barium acetate. G.Leyva, G.Polla, M.T.Garland, R.Baggio. Acta Cryst. (2007), C63, m534-m536.
34. Novel architecture for high-performance solid-oxide fuel cell cathodes based on cobaltite nanotubes. M. G. Bellino, J. G. Sacanell, D. G. Lamas, A. G. Leyva and N. E. Walsøe de Reca. Journal of the American Chemical Society 129 (11) 3066-3067 (2007)
35. Analysis and assembling of network structure in mutualistic systems”, D. Medan, R.P.J. Perazzo, M. Devoto, E. Burgos, M. Zimmermann, H. Ceva, A.M. Delbue, Journal of Theoretical Biology 246, 510 (2007)
36. “Why nestedness in mutualistic networks?” E.Burgos, H. Ceva, R.P.J. Perazzo, M.Devoto, D. Medan, M. Zimmermann, A.M. Delbue, Journal of Theoretical Biology 249, 307 (2007)
37. “Magnetic phase diagram of La_{0.225}Pr_{0.40}Ca_{0.375}MnO₃ manganite”. F. Parisi, L. Ghivelder, Physica B 398 (2007) 184–186
38. Observation of phonon-induced magnetic deflagration in manganites F. Macià, A. Hernández-Mínguez, G. Abril, [J. M. Hernandez](#) A. García-Santiago, [J. Tejada](#), F. Parisi and [P. V. Santos](#). Phys. Rev. B 76, 174424 (2007)
39. “Ferrodistoritive instability at the (100) surface of half-metallic manganites”, J. M. Pruneda, V.Ferrari, P. B. Littlewood, N. A. Spaldin, and Emilio Artacho, Phys. Rev. Lett. 99, 226101 (2007).

40. "Transformation of spin information into large electrical signals using carbon nanotubes", Luis E. Hueso, José M. Pruneda, Valeria Ferrari, Gavin Burnell, José P. Valdés-Herrera, Benjamin D. Simon, Peter B. Littlewood, Emilio Artacho, Albert Fert and Neil D. Mathur, *Nature* 445, 410-413 (2007)
41. "Conformational polymorphism in Bicalutamide". D.Vega, G. Polla, A. Martinez, E. Mendioróz, M. Reinoso. *International Journal of Pharmaceutics* 328 (2007) 112–118
42. "Glucosilate kaurenoic acid sesquihydrate" A. Huertas, D.Vega, J. A. Rodriguez, C. Rojas, R. Toprrenegra, O Rodriguez. *Acta Cryst.* (2007). E63, o4880