

LISTE COMPLETE DES PUBLICATIONS

1. A. Ottochian, G. Dezanneau, C. Gilles, P. Raiteri, C. Knight and J. D. Gale, "Influence of isotropic and biaxial strain on proton conduction in Y-doped BaZrO<sub>3</sub> : a reactive molecular dynamics study", J. Mater. Chem. A **2** 3127-3133 (2014)
2. A. Ottochian, F. Puosi, C. De Michele and D. Leporini, "Comment on "Generalized localization model of relaxation in glass-forming liquids"", Soft Matter **9** 7890-7891 (2013)
3. A. Ottochian, C. De Michele, F. Puosi and D. Leporini, "Predicting the ultra-slow dynamics of disordered systems by picosecond dynamics", Il Nuovo Saggiatore **28** 5-10 (2012)
4. Y. Hu, et al., O. Hernandez, T. Broux, M. Bahout, J. Hermet, A. Ottochian, C. Ritter, G. Geneste and G. Dezanneau, "Oxygen diffusion mechanism in the mixed ion-electron conductor NdBaCo<sub>2</sub>O<sub>5+x</sub>", J. Mater. Chem. **22** 18744-18747 (2012)
5. Sz. Pothoczki, A. Ottochian, M. Rovira-Esteva, L. C. Pardo, J. Ll. Tamarit and G. J. Cuello, "Role of steric and electrostatic effects in the short-range order of quasitrahedral molecular liquids", Phys. Rev. B **85** 014202 (2012)
6. A. Ottochian and D. Leporini, "Universal scaling between structural relaxation and caged dynamics in glass-forming systems : free volume and time scales", J. Non-Cryst. Solids **357** 298-301 (2011)
7. A. Ottochian and D. Leporini, "Scaling between structural relaxation and caged dynamics in Ca<sub>0.4</sub>K<sub>0.6</sub>(NO<sub>3</sub>)<sub>1.4</sub> and glycerol : free volume, time-scales and implications for pressure-energy correlations.", Phil. Mag. **91** 1786-1795 (2010)
8. A. Ottochian, C. De Michele and D. Leporini, "Universal divergenceless scaling between structural relaxation and caged dynamics in glass-forming systems", J. Chem. Phys. **131** 224517 (2009); selectioné pour le nombre 18 du Virtual Journal of Biological Physics Research (2009)
9. A. Ottochian, D. Molin, A. Barbieri and D. Leporini, "Connectivity effects in the segmental self- and cross-reorientation of unentangled polymer melts", J. Chem. Phys. **131** 174902 (2009); selectioné pour le nombre 15 du Virtual Journal of Biological Physics Research (2009)
10. A. Ottochian, C. De Michele and D. Leporini, "Non-gaussian effects in the cage dynamics of polymers", Phil. Mag. **88** 4057-4062 (2008)
11. L. Larini, A. Ottochian, C. De Michele and D. Leporini, "Universal scaling between structural relaxation and vibrational dynamics in glass-forming liquids and polymers", Nat. Phys. **4** 42 (2008)
12. A. Ottochian and D. Leporini, "Excluded-volume corrections to the single-chain static properties of a polymer melt : Temperature, density and potential effects", J. Non-Cryst. Solids **353** 3879-3884 (2007)

## PARTECIPATION À DES CONFÉRENCES

- E-MRS Spring Meeting 2014, European Materials Research Society - Lille 26-30 Mai, 2014 (*contribution oral*)
- IDHEA2014 - International Discussion on Hydrogen Energy and Applications - Nantes 12-14 Mai, 2014 (*contribution oral*)
- EUROMAT2013- European Congress and Exhibition on Advanced Materials and Processes - Sevilla 8-13 September, 2013 (*contribution oral et en poster*)
- ECSSC14, European Conference on Solid State Chemistry - Bordeaux (France) 7-10 July, 2013 (*contribution de deux poster*)
- GDR PACS 3339 "Piles à combustible, systèmes" Réunion Plénière - La Grande Motte (France) 13-16 Mai 2013 (*contribution oral*)
- SSPC16, Solid State Protonic Conductors - Grenoble (France) 10-14 September 2012 (*contribution oral*)
- GDR PACS 3339 "Piles à combustible, systèmes" Réunion Plénière - Belfort (France) 11-14 Juin 2012 (*contribution oral*)
- 1st International Workshop on Fragility of Viscous Liquids : Cause(s) and Consequences - Carlsberg Academy, Copenhagen (Denmark) 8-10 October 2008 (*contribution oral*)
- 11th International Workshop on Complex Systems - Andalo, Trento (Italy) 17-20 March 2008 (*contribution oral*)