

## **Lista de publicații: Jurjiu Aurel**

1. A.V. Pop, I.G. Deac, G. Ilonca, A. Jurjiu, and V. Pop  
Effects of substitutional studies at Ca site by Er ion on the intergranular Properties of (Bi,Pb):2223 and (Bi,Pb)(Sr,Ba):2223 superconductors, *Studia Universitatis Babes-Bolyai*
2. A. Blumen and A. Jurjiu:  
"Multifractal spectra and the relaxation of model polymer networks", *J.Chem.Phys.* **116**, 2636, (2002)
3. A. Jurjiu, Ch. Friedrich, A. Blumen:  
"Strange kinetics of polymeric networks modelled by finite fractals", *Chem.Phys.* **284**, 221-231, (2002)
4. A. Jurjiu, Th. Koslowski, A. Blumen:  
"Dynamics of deterministic fractal polymer networks: Hydrodynamic interactions and the absence of scaling", *J.Chem.Phys.* **118**, 2398, (2003)
5. A. Blumen, A. Jurjiu, Th. Koslowski:  
"Network Models and their Dynamics: Probes of Topological Structure", *Macromol.Symp.* **191**, 141-150, (2003)
6. A. Blumen, A. Jurjiu, Th. Koslowski, and Ch. von Ferber :  
"Dynamics of Vicsek fractals, models for hyperbranched polymers", *Phys.Rev.E*, **67**, 061103, (2003)
7. A. Jurjiu, Th. Koslowski, Ch. von Ferber, and A. Blumen:  
"Dynamics and scaling of polymer networks: Vicsek fractals and hydrodynamic interactions" *Chem.Phys.* **294**, 187, (2003)
8. A. Blumen, A. Jurjiu, and Th. Koslowski:  
"Dynamics of hyperbranched polymers and dendrimers: Theoretical Models" *Macromol.Symp.* **210**, 301-310, (2004)
9. A. Blumen, Ch. von Ferber, A. Jurjiu, and Th. Koslowski:  
"Generalised Vicsek fractals: Regular hyperbranched polymers" *Macromolecules*, **37**, 638-650, (2004)

10. Th. Koslowski, A. Jurjiu, and A. Blumen:  
"Polaron formation and hopping conduction in hyperbranched polymers:  
a theoretical approach" *J.Phys.Chem B*, **108**, 3283-3288, (2004)
11. A. Blumen, A. Volta, A. Jurjiu, Th. Koslowski:  
"Energy transfer and trapping in regular hyperbranched macromolecules"  
*Physica A*, **356**, 12-18, (2005)
12. A. Blumen, A. Volta, A. Jurjiu, Th. Koslowski:  
"Monitoring energy transfer in hyperbranched macromolecules through  
fluorescence depolarization" *J. Luminescence*, **111**, 327-334, (2005)
13. Th. Koslowski, A. Jurjiu, A. Blumen:  
"Models of irregular hyperbranched polymers: topological disorder and  
mechanical response" *Macromol Symp*, 237:53, (2006)
14. A. Blumen, A. Jurjiu, Th. Koslowski, Ch. Friedrich:  
"Models for the Dynamics of Hyperbranched Macromolecules"  
*Macromol Theor Simul*, vol.15, 538, (2006)
15. A. Volta, M. Galiceanu, A. Jurjiu:  
"Relaxation dynamics of perturbed regular hyperbranched fractals"  
*J.Phys. A: Math. and Theor.* **43**, 105205, (2010)