

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

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## REVIEW

Mălina RĂILEANU

The use of sol-gel method for biomaterials preparation



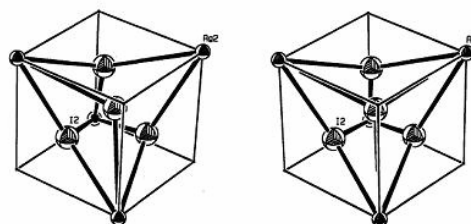
Rev. Roum. Chim., 2006, 51(10), 941-962

**Key words:** sol-gel method, entrapped enzymes, glucose oxidase, proteases, biomaterials.

## PAPERS

Seok Han KIM, Jeong Seok NOH, Jong-Pyo KIM, Soong-Hyuck SUH and Nam Ho HEO

Synthesis and crystal structure of Na-A with occluded AgI and Ag<sub>4</sub>I<sub>4</sub> nanoclusters

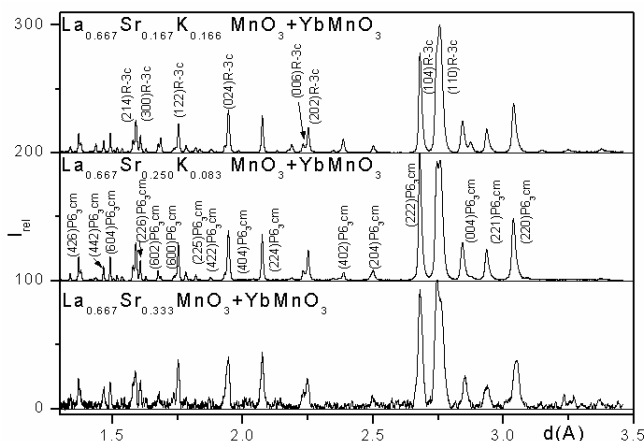


Rev. Roum. Chim., 2006, 51(10), 963-980

**Key words:** zeolite, silver iodide, quantum dot, nanocluster, crystal structure.

Carmen MÎȚĂ, Nicoleta CORNEI and Mihail-Liviu CRAUS

Phase composition and properties of YbMnO<sub>3</sub>-La<sub>0.67</sub>Sr<sub>0.33-1.67x</sub>K<sub>1.67x</sub>MnO<sub>3</sub> system

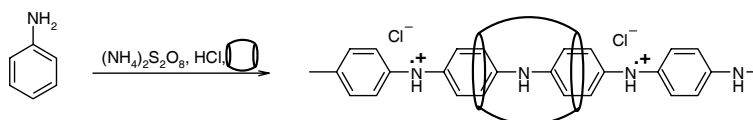


Rev. Roum. Chim., 2006, 51(10), 981-985

**Key words:** two phase perovskite system, lattice constants, cation-anion distances, Curie temperatures, specific magnetization.

Mircea GRIGORAȘ and Daniel Gheorghe CONDURUȚĂ

Pseudopolyrotaxanes based on polyaniline and cucurbituril

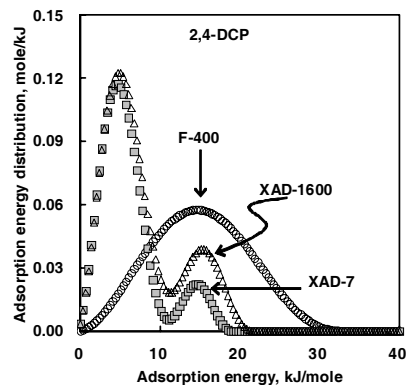


Rev. Roum. Chim., 2006, 51(10), 987-992

**Key words:** pseudorotaxane architecture, macrocyclic compounds, chemical oxidative polymerization.

Wang-Geun SHIM, Hee MOON, Sang-Chai KIM, Chang-Ha LEE, Soong-Hyuck SUH and Jae-Wook LEE

Heterogeneity analysis based on liquid-phase adsorption of chlorophenols on activated carbon and polymer resins

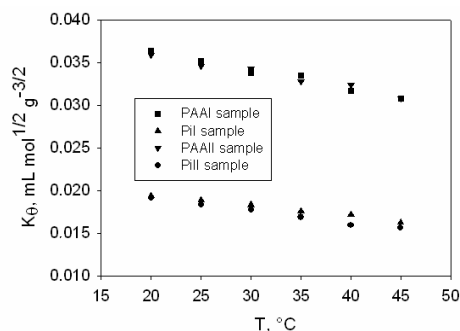


**Key words:** heterogeneity, adsorption, chlorophenols, generalized nonlinear regularization method.

*Rev. Roum. Chim.*, 2006, 51(10), 993-1000

Doina MACOCINSCHI, Anca ȚĂRANU, Camelia HULUBEI and Silvia IOAN

Solution properties of poly(amic acid)s and polyimides

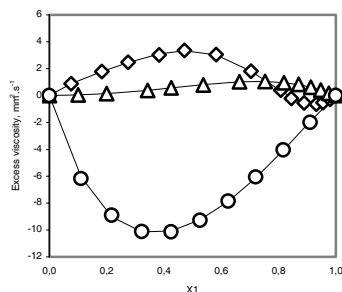


**Key words:** poly(amic acid), polyimides, solution properties, perturbed dimension, unperturbed.

*Rev. Roum. Chim.*, 2006, 51(10), 1001-1009

Marinela CATRINCIUC, Olga IULIAN, Ligia Maria OMOTA and Irina NIȚĂ

Experimental and calculated properties in binary and ternary systems with water 1,4-dioxane and diethylene glycol at 298.15 K

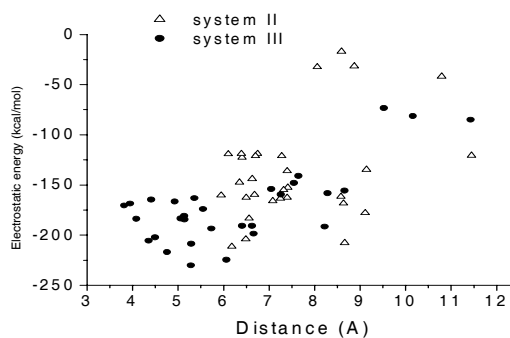


**Key words:** viscosity, excess functions, diethylene glycol.

*Rev. Roum. Chim.*, 2006, 51(10), 1011-1018

Adriana ISVORAN, Pierre NEDELLEC, Veronica BESWICK and Alain SANSON

Study of the electrostatic interactions between peptides and lipids at the membranes interface by molecular dynamics simulation

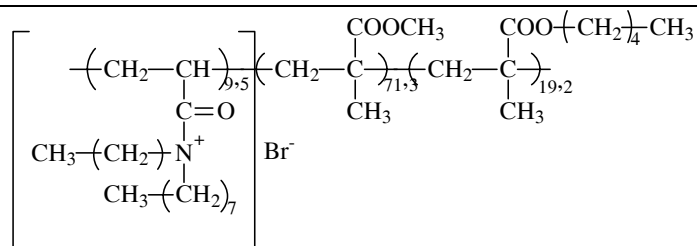


**Key words:** molecular dynamics simulation, peptides, lipids, electrostatic interactions, membrane interface.

*Rev. Roum. Chim.*, 2006, 51(10), 1019-1024

**Andrei SÂRBU, Alain PERICHAUD,  
Ion UDREA, Mariana BEDA, Gabriela  
BALAN, Liliana SÂRBU et Mihaela FULGA**

Fibres acryliques biocides  
Biocide acrylic fibers

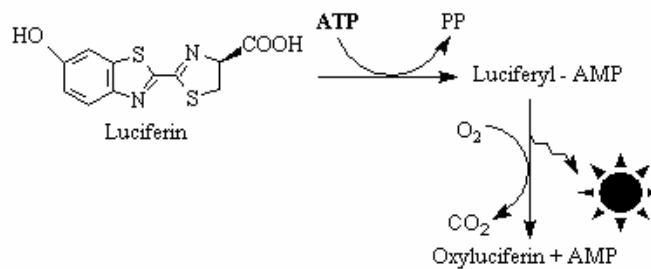


*Rev. Roum. Chim.*, 2006, 51(10), 1025-1030

**Key words** : fibres, acrylique, biocide.

**Rodica CĂPRIȚĂ, Adrian CĂPRIȚĂ,  
Teodor VINTILĂ and Gheorghe ILIA**

The ATP assay, a method for measuring  
biological activity in industrial water



*Rev. Roum. Chim.*, 2006, 51(10), 1031-1036

**Key words**: bioluminescence, ATP, luciferin/luciferase, CFU, RLU.