

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

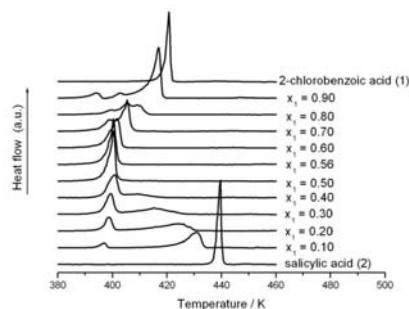
Tome 54, N° 5

Mai 2009

PAPERS

Viorica MELTZER and Elena PINCU

A DSC study for binary mixture of 2-chlorobenzoic acid with salicylic acid

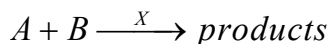


Key words: phase diagram, DSC, excess functions, 2-chlorobenzoic acid, salicylic acid.

Rev. Roum. Chim., 2009, 54(5), 333-338

Niculae I. IONESCU

Kinetic model for heterogeneous catalytic oscillatory reactions

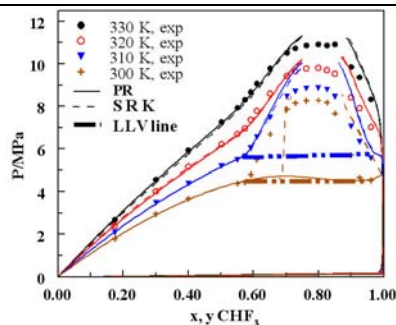


Rev. Roum. Chim., 2009, 54(5), 339-342

Key words: oscillations, kinetic model.

Cristina BOGATU, Rodica VÎLCU, Dan GEANĂ, Anca DUȚĂ, Wim POOT and Theodor W. de LOOS

High pressure phase behaviour of the system R23 + phenylpropane. Experimental results and modeling liquid-vapour equilibrium

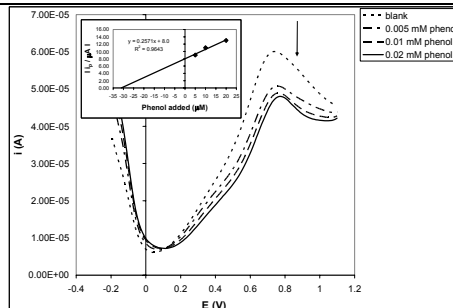


Key words: refrigerant-alkylbenzene system, type III phase behaviour, PR EoS, SRK EoS, van der Waals mixing rules.

Rev. Roum. Chim., 2009, 54(5), 343-349

Stelian LUPU, Ion ION and Alina Catrinel ION

Voltammetric determination of phenol at platinum electrodes modified with polypyrrole doped with ferricyanide

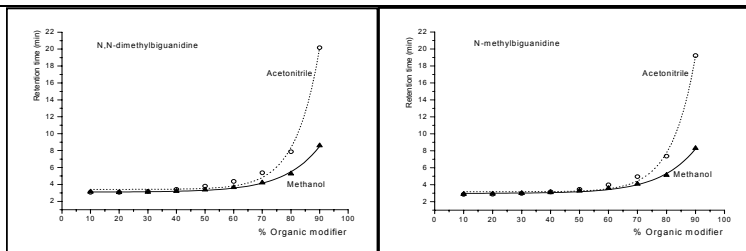


Key words: electrochemical sensor, modified electrode, phenol, square wave voltammetry.

Rev. Roum. Chim., 2009, 54(5), 351-357

Toma GALAON, Florentin TACHE and Victor DAVID

Retention behaviour of two biguanidines in liquid chromatography based on cyano stationary phase

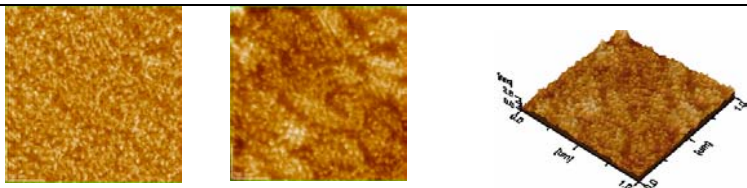


Rev. Roum. Chim., **2009**, 54(5), 359-362

Key words: biguanidines, cyano stationary phase, retention mechanism, liquid chromatography.

Gheorghe TOMOAI, Cristina BORZAN, Maria CRISAN, Aurora MOCANU, Ossi HOROVITZ, Liviu-Dorel BOBOS and Maria TOMOAI-COTISEL

Nanostructure formation of collagen and anti-cancer drugs investigated by atomic force microscopy

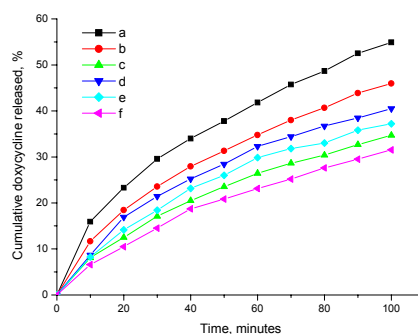


Rev. Roum. Chim., **2009**, 54(5), 363-372

Key words: collagen, anti-cancer drugs, mica surface, nanostructures, atomic force microscopy.

Mădălina Georgiana ALBU, Mihaela Violeta GHICA, Lăcrămioara POPA, Minodora LECA and Viorica TRANDAFIR

Kinetics of *in vitro* release of doxycycline hyclate from collagen hydrogels

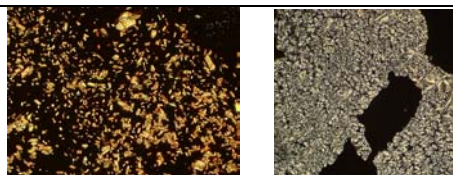


Rev. Roum. Chim., **2009**, 54(5), 373-379

Key words: collagen, doxycycline hyclate, rheological behaviour, kinetics of *in vitro* release.

Ion SAVA

Polyester-amides with liquid-crystalline properties

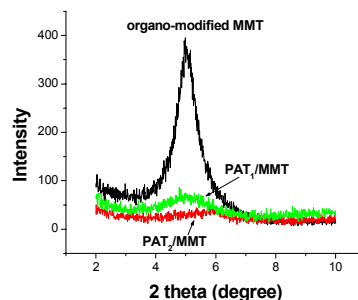


Rev. Roum. Chim., **2009**, 54(5), 381-387

Key words: polyester-amides, thermotropic behavior, X-ray diffraction.

Lenuța STROEA and Emil C. BURUIANĂ

A study on properties of the polymeric composites based on triaziene polyacrylates and silicates

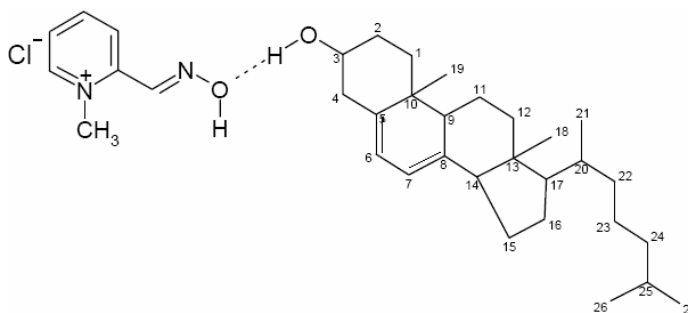


Rev. Roum. Chim., **2009**, 54(5), 389-397

Key words: nanocomposites, montmorillonite, polyacrylates, X-ray diffraction.

Mihaela MANEA, Valentina CHIOSA,
Ioana STĂNCULESCU and
Cristina MANDRAVEL

IR spectral study on nature of 2-pyridine
aldoxime methyl chloride interaction with some
sterols. III. Lanosterol and 7-dehydrocholesterol



Rev. Roum. Chim., 2009, 54(5), 399-403

Key words: 2-PAM, lanosterol, 7-dehydrocholesterol,
hydrogen bond, FTIR.