

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

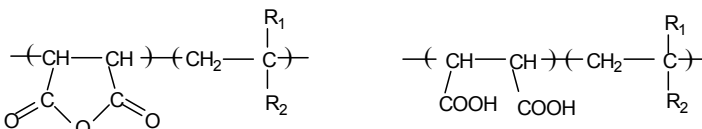
Tome 56, N° 3

Mars 2011

REVIEW

Irina POPESCU, Dana Mihalea SUFLET,
Irina Mihaela PELIN and
Gabrielle Charlotte CHIȚANU

Biomedical applications of maleic anhydride copolymers



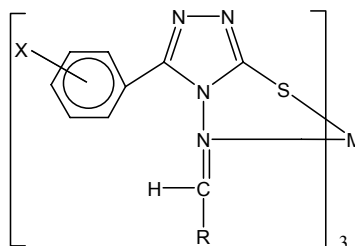
Key words: maleic anhydride copolymers, antitumor activity, controlled drug delivery

Rev. Roum. Chim., 2011, 56(3), 173-188

PAPERS

Namrata Tripathi SHALINI and
Vinod Kumar SHARMA

Synthesis, characterization and biological aspects of iron(III) and cobalt(III) complexes with Schiff bases derived from substituted mercaptotriazole

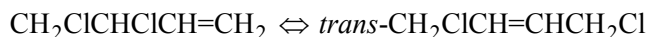


Key words: iron(III), cobalt(III), mercaptotriazole, spectroscopic studies, antifungal activity

Rev. Roum. Chim., 2011, 56(3), 189-196

Narges SAMADANI LANGEROODI and
Vida JODAIAN

Isomerization of chloro-olefins of allyl structure by heterogeneous catalysis

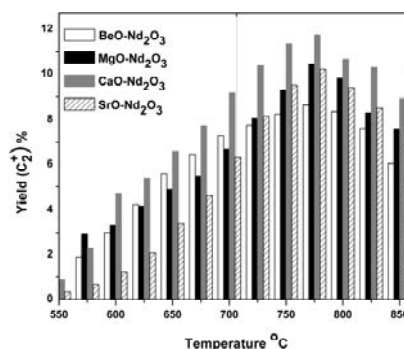


Rev. Roum. Chim., 2011, 56(3), 197-202

Key words: Fe₂O₃, chloroalkenes, isomerization, Mössbauer spectroscopy

Florica Papa, Dana GINGAȘU,
Luminița PATRON, Akane MIYAZAKI and
Ioan BALINT

Impact of the catalyst basicity on the mechanism of OCM reaction performed over alkaline Nd₂O₃ mixed oxides

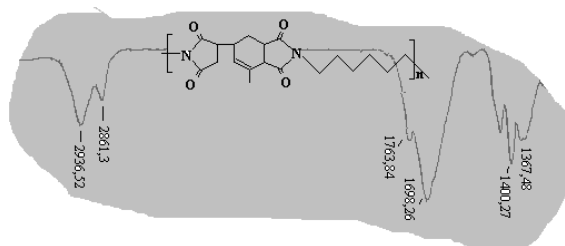


Key words: oxidative coupling of methane, methane oxidative conversion, basicity of oxide surface, lanthanide-alkaline-earth oxide catalysts

Rev. Roum. Chim., 2011, 56(3), 203-208

Camelia HULUBEI and Dumitru POPOVICI

Novel polyimides containing alicyclic units.
Synthesis and characterization

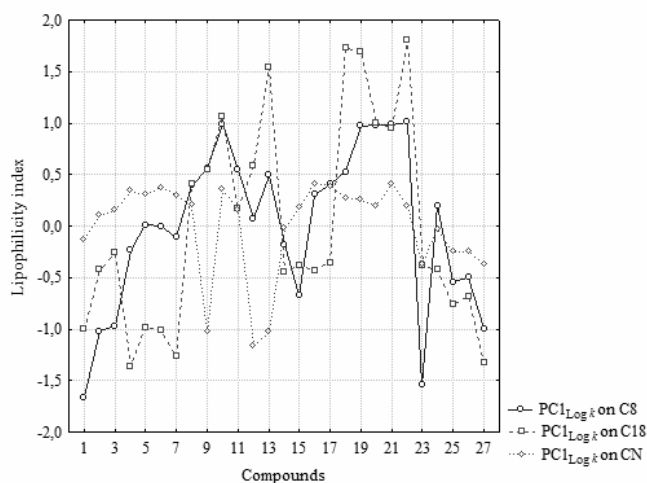


Rev. Roum. Chim., **2011**, 56(3), 209-215

Key words: polyimides, alicyclic dianhydride thermostability, solubility

Cristina ONIȘOR, Mihalj POȘA and Costel SÂRBU

Modeling of chromatographic lipophilicity indices
of bile acids and their derivatives

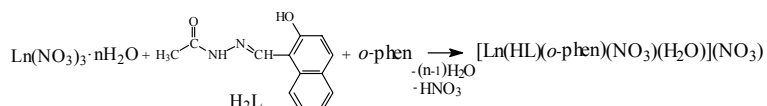


Rev. Roum. Chim., **2011**, 56(3), 217-229

Key words: bile acids and their derivatives, HPLC, lipophilicity, QSPR, genetic algorithm

Mirela CĂLINESCU, Daniela MANEA and Gabriela PAVELESCU

Synthesys and spectroscopic properties of new complex compounds of europium(III) and terbium(III) with 2-hydroxy-1-naphthaldehyde acetylhydrazone and heterocyclic bases

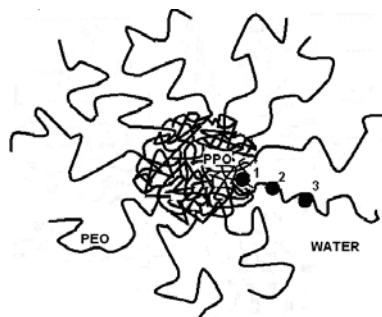


Rev. Roum. Chim., **2011**, 56(3), 231-237

Key words: europium(III), terbium(III), lanthanides, luminescence, metal complexes

Marilena VĂȘILESCU, Alina LATUS, Rodica D. BĂRĂTOIU, Marioara BEM and Titus CONSTANTINESCU

Pluronic copolymer nanostructure for solubilization of hydrophobic benzofurazan derivatives in water. A spectrophotometric study

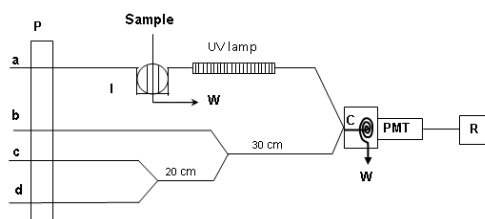


Rev. Roum. Chim., **2011**, 56(3), 239-245

Key words: micellar solubilization, 4-amino-7-nitrobenzoxadiazole derivatives, Pluronic L64, UV-Vis absorprrion, fluorescence

Alexandru Ioan CHIVULESCU,
Mihaela BADEA DONI,
Mihaela-Carmen CHEREGI,
Andrei Florin DANET

Determination of amoxicillin, ampicillin and penicillin G using a flow injection analysis method with chemiluminescence detection

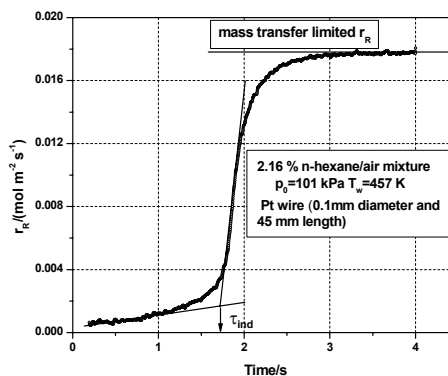


Rev. Roum. Chim., **2011**, 56(3), 247-254

Key words: flow injection analysis, chemiluminescence, β -lactam antibiotics analysis, luminol, UV irradiation

Dumitru OANCEA, Valentin MUNTEANU,
Domnina RAZUS and Maria MITU

Temperature and pressure effect on the isothermal catalytic ignition of *n*-hexane/air mixtures on platinum

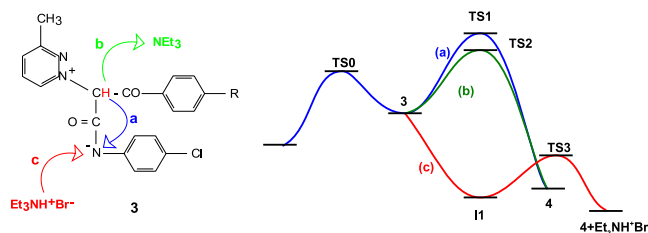


Rev. Roum. Chim., **2011**, 56(3), 255-260

Key words: catalytic ignition, induction period, platinum wire, *n*-hexane-air

Daniela IVANOV, Magda PETROVANU and
Mircea CONSTANTINESCU

Transylation of 3-methyl-phenacylpyridazinium ylides with phenylisocyanate. Influence of triethylammonium cation over prototropic rearrangement



Rev. Roum. Chim., **2011**, 56(3), 261-268

Key words: pyridazinium N-ylides, phenylisocyanate, triethylammonium cation, prototropic rearrangement

