

ROUMAINE DE CHIMIE (ROMANIAN JOURNAL OF CHEMISTRY)

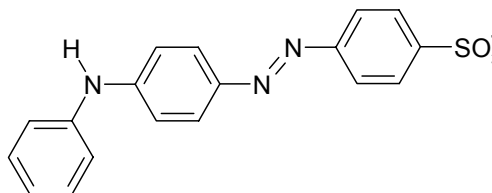
Tome 55, N° 7

Juillet 2010

PAPERS

Alexei N. PANKRATOV

Reactions of diphenylamine with benzene diazonia: a quantum chemical treatment involving explicit aqueous medium account

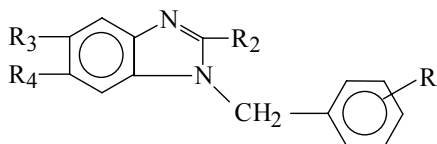


Key words: benzenediazonia, azo coupling, diphenylamine, influence of aqueous medium, quantum chemical consideration

Rev. Roum. Chim., 2010, 55(7), 357-361

Sanja PODUNAVAC-KUZMANOVIĆ and Dragoljub CVETKOVIĆ

Antimicrobial investigations of copper(II) complexes with some 1-benzylbenzimidazole derivatives

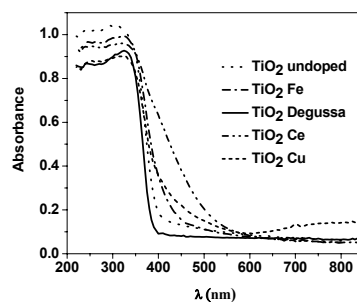


Key words: benzimidazole derivatives, complexes, copper(II), antimicrobial activity, *in vitro* studies

Rev. Roum. Chim., 2010, 55(7), 363-367

Mihaela POPA, Emil INDREA, Petru PASCUȚA, Veronica COȘOVEANU, Ionel Catalin POPESCU and Virginia DANCIU

Fe, Ce and Cu influence on morpho-structural and photocatalytic properties of TiO₂ aerogels

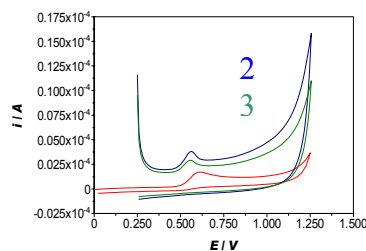


Key words: aerogel, metal doped TiO₂, salicylic acid, photocatalysis

Rev. Roum. Chim., 2010, 55(7), 369-375

Alina CRISTIAN, Emilia Elena IORGULESCU and Constantin MIHAILCIUC

Electrochemical studies using activated glassy carbon. II. Piroxicam

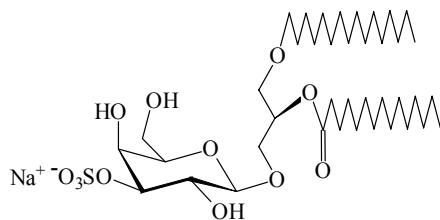


Key words: piroxicam, anodically activated GCE, accumulation, cyclic voltammetry, differential pulse voltammetry

Rev. Roum. Chim., 2010, 55(7), 377-382

Silvia IGA and Dumitru Petru IGA

Purification of seminolipid and its cleavage to lyso-semiolipid. Interaction of seminolipid with phospholipase A2

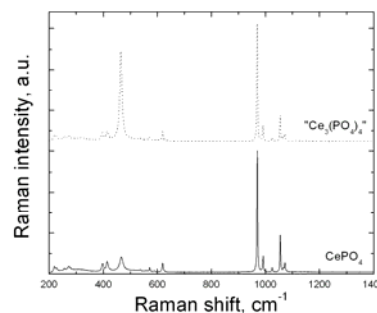


Key words: seminolipid, lyso-semiolipid, phospholipase A2, mild alkaline hydrolysis

Rev. Roum. Chim., **2010**, 55(7), 383-387

**Adrian BORHAN,
Bogdan APETRĂCHIOAEI and Karin POPA**

On the existence of cerium(IV) orthophosphate, "Ce₃(PO₄)₄"

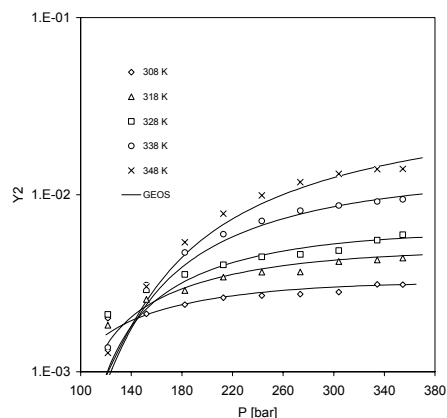


Key words: cerium (III), cerium (IV), phosphates, nonstoichiometric compounds

Rev. Roum. Chim., **2010**, 55(7), 389-393

Viorel FEROIU, Octavian PARTENIE and Dan GEANĂ

Solid-gas equilibrium in systems containing aromatic compounds and supercritical carbon dioxide

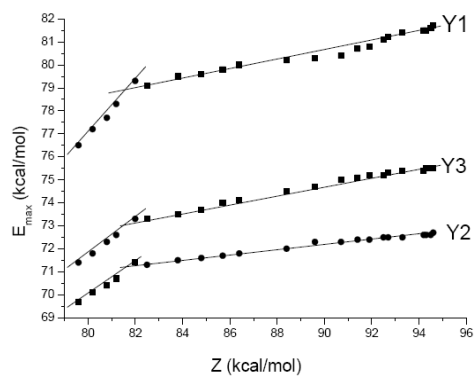


Rev. Roum. Chim., **2010**, 55(7), 395-401

Key words: equation of state, solid-gas equilibrium, supercritical fluid

Mihaela DULCESCU, Cristina STAN and Dana Ortansa DORHOI

Spectral study of intermolecular interactions in water-ethanol solutions of some carbanion disubstituted pyridinium ylids

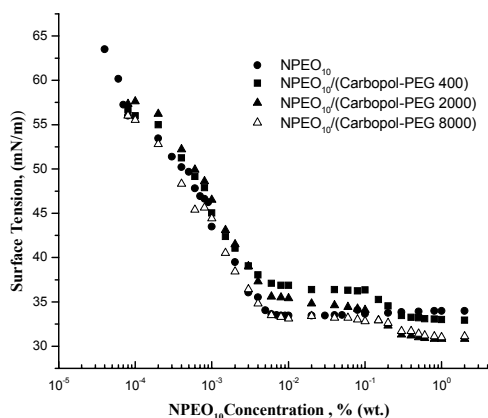


Key words: pyridinium ylids, hydrogen bonds, binary protic solvent, visible absorption spectra

Rev. Roum. Chim., **2010**, 55(7), 403-408

**Cornelia ILIE, Gabriela STÎNGĂ,
Alina IOVESCU, Violeta PURCAR,
Dan F. ANGHEL and Dan DONESCU**

The influence of nonionic surfactants on the
Carbopol-PEG interpolymers complexes

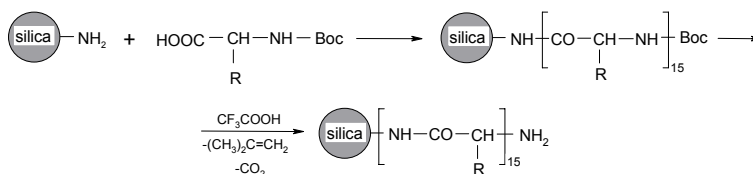


Rev. Roum. Chim., **2010**, 55(7), 409-417

Key words: interpolymers complex, Carbopol 980, PEG, Pluronic F68,
ethoxylated nonylphenol

**Florin BUCATARIU and
Ecaterina Stela DRĂGAN**

Oligopeptide brushes generated onto silica
microparticles



Rev. Roum. Chim., **2010**, 55(7), 419-425

Key words: oligopeptide, polyelectrolyte, silica, XPS

BOOK REVIEW

**Jaroslav SESTAK, Miroslav HOLECEK and
Jiri MALEK (Editors)**

Some thermodynamic, structural and behavioral
aspects of materials accentuating non-crystalline
states

Rev. Roum. Chim., **2010**, 55(7), 427

