

REVUE ROUMAINE DE CHIMIE (ROMANIAN JOURNAL OF CHEMISTRY)

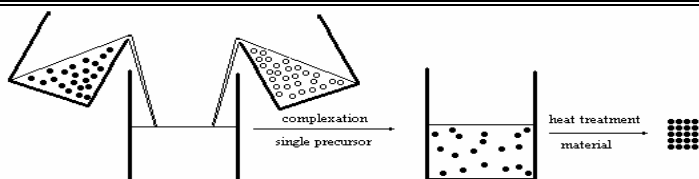
Tome 51, N° 1

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REVIEW

Oana CARP, Luminița PATRON
and Eugen SEGAL

Thermal properties of solid coordination compounds. IV. Some applications in materials science



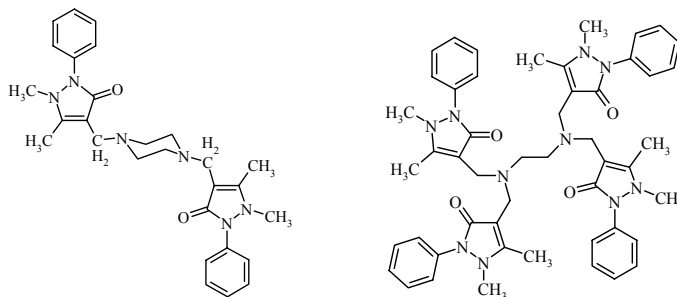
Rev. Roum. Chim., 2006, 51(1), 5-12

Key words: coordination compounds, thermal analysis, materials science

PAPERS

Ramona TUDOSE, Yves JOURNAUX,
Imre LABADI, Wolfgang LINERT,
Otilia COSTIȘOR, Marius ANDRUH
and Maria BREZEANU

Mixed ligand complexes of iron(II), iron(III) and cobalt(II) with pyrazolonic and pyridine ligands

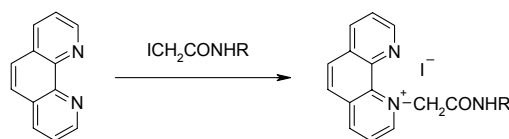


Rev. Roum. Chim., 2006, 51(1), 13-17

Key words: Mannich bases, antipyrine, mixed ligand complexes, pyridine, magnetism

Florea DUMITRAȘCU,
Constantin DRĂGHICI, Mino R. CAIRA,
Andrei BĂDOIU and Loredana BARBU

Synthesis of 1-[N-(aryl)methylcarbamoyl]-1,10-phenanthroline iodides with potential biological activity

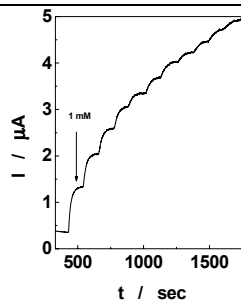


Rev. Roum. Chim., 2006, 51(1), 19-23

Key words: 1,10-phenanthroline, quaternization, NMR spectroscopy, helical chirality

Florentina-Daniela MUNTEANU,
Delia GLIGOR, Ionel Cătălin POPESCU
and Lo GORTON

Formate dehydrogenase-modified carbon paste electrodes for amperometric detection of formate

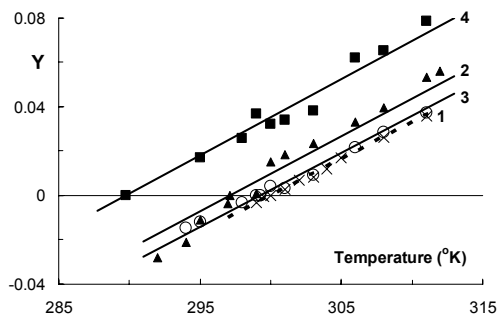


Key words: biosensors, formate dehydrogenase, nicotinamide adenine dinucleotide, phenothiazine derivative, polyethyleneimine, modified carbon paste electrodes

Rev. Roum. Chim., 2006, 51(1), 25-30

Maria BERCEA and Simona MORARIU

Interpretation of the intrinsic viscosity–temperature dependence on the basis of the excluded volume analysis

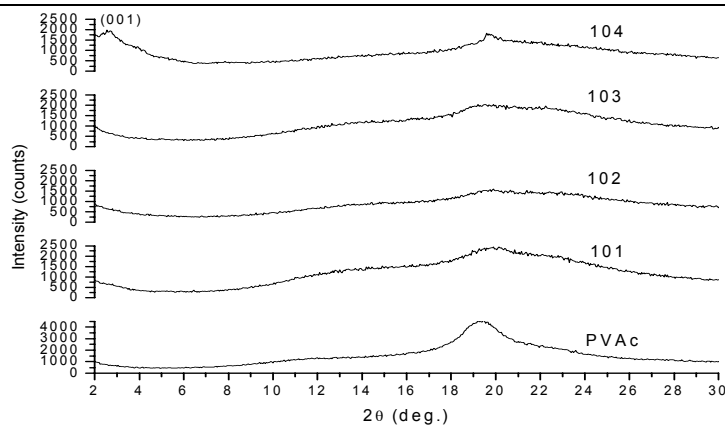


Rev. Roum. Chim., 2006, 51(1), 31-37

Key words: intrinsic viscosity, random copolymers, theta temperature

Mihai Cosmin COROBEA, Dan DONESCU, Sever ȘERBAN, Cătălin DUCU, Viorel MALINOVSKI and Ioan ȘTEFĂNESCU

Polymer-nanoclay hybrids obtained by emulsion polymerization of vinyl acetate in the presence of an organically modified montmorillonite

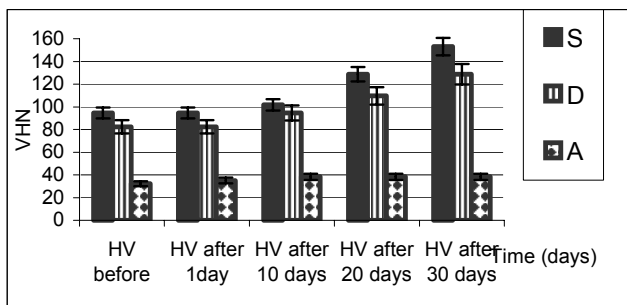
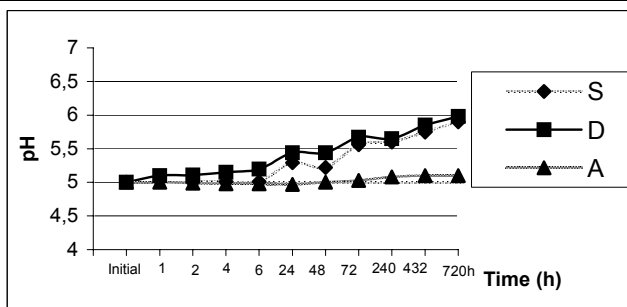


Rev. Roum. Chim., 2006, 51(1), 39-46

Key words: nanocomposites, emulsion polymerization, polyvinylacetate, montmorillonite

Daniela Cristina MOMETE, Enrica VERNE, Chiara VITALE BROVARONE and Dan Sorin VASILESCU

Saliva study for a novel dental composite with polymeric matrix

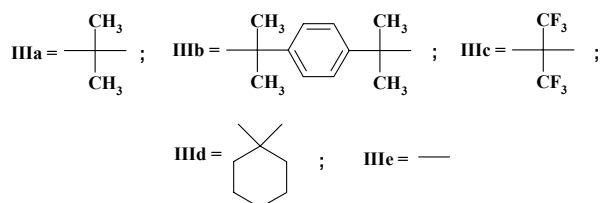
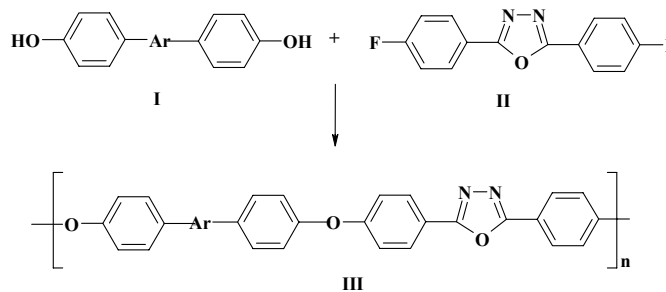


Rev. Roum. Chim., 2006, 51(1), 47-52

Key words: dental composite, saliva, pH, sorption, microhardness, ions release.

Corneliu HAMCIUC, Elena HAMCIUC,
Tăchiță VLAD-BUBULAC
and Oana PETREUȘ

Aromatic polyethers containing 1,3,4-oxadiazole rings

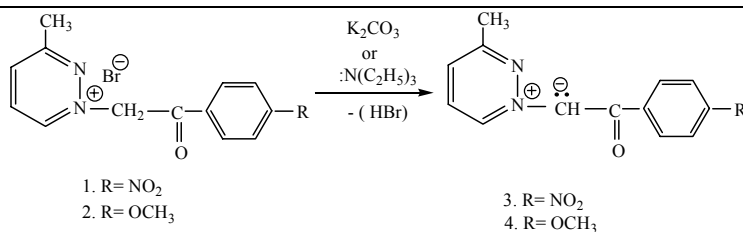


Key words: aromatic polyethers, 1,3,4-oxadiazole rings, good solubility, high thermal stability, fluorescence

Rev. Roum. Chim., 2006, 51(1), 53-59

Ștefan DIMA, Gabriela BAHIM and
Monica MURĂRESCU

Kinetic study on the preparation reaction of
carbanion monosubstituted phtalazinium
ylides

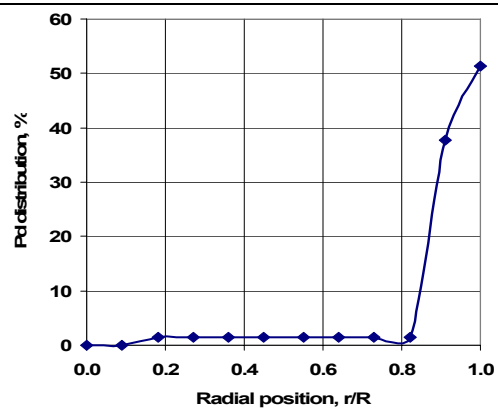


Rev. Roum. Chim., 2006, 51(1), 61-67

Key words: cycloimmonium ylides, phtalazinium ylides, ylide inactivation

Dorin BOMBOȘ, Fănica BACALUM,
Mihaela BOMBOȘ and Grigore BOZGA

Influence of the Pd distribution in a Pd/H-
ZSM-5 catalyst on acetone conversion to
methyl isobutyl ketone



Key words: bifunctional catalyst, Pd/H-ZSM-5, methyl isobutyl ketone, non-uniform Pd distribution catalyst

Rev. Roum. Chim., 2006, 51(1), 69-74