

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

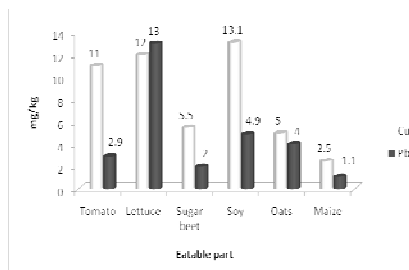
Tome 59, N° 2

Février 2014

PAPERS

Mircea MIHALACHE, Leonard ILIE and Roxana MADJAR

Translocation of heavy metals from sewage sludge amended soil to plant

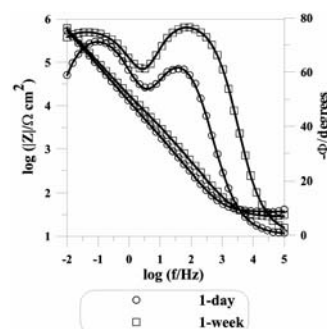


Rev. Roum. Chim., 2014, 59(2), 81-89

Key words: soil, heavy metals, sewage sludge, translocation, plant.

Georgiana BOLAT, Carmen PADURARU, Sorin Claudiu IACOB STRUGARU, Corneliu MUNTEANU and Daniel MARECI

Stability of NiCr dental alloy after 15 years of service

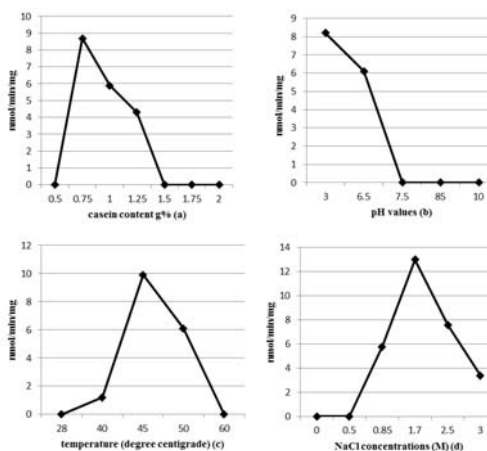


Rev. Roum. Chim., 2014, 59(2), 91-96

Key words: NiCr dental alloy, potentiodynamic polarization, corrosion current, EIS, scanning electron microscopy.

Simona NEAGU, Silviu PREDA, Crina ANASTASESCU, Maria ZAHARESCU, Mădălin ENACHE and Roxana COJOC

The functionalization of silica and titanate nanostructures with halotolerant proteases

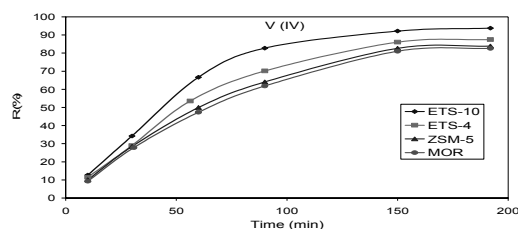


Rev. Roum. Chim., 2014, 59(2), 97-103

Key words: halotolerant proteases, titanate nanostructures, silica nanostructures, halophilic microorganisms.

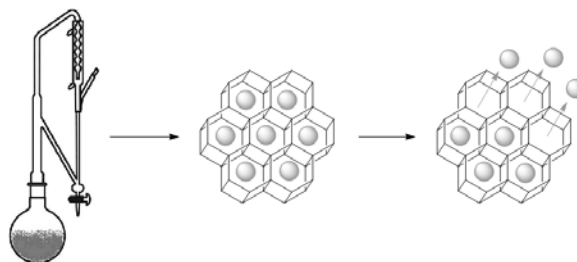
Alexandru CECAL, Maria IGNAT and Nicoleta MELNICIUC PUICA

Adsorption of Co(II) and V(IV) species on zeolites


Rev. Roum. Chim., 2014, 59(2), 105-110

Key words: adsorption, isotherms, kinetics, microelements, zeolites.

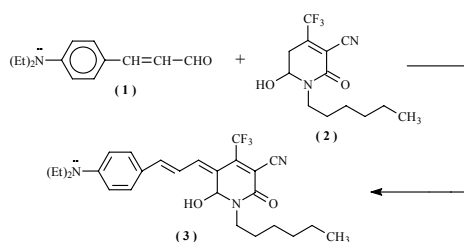
Dan Eduard MIHAIESCU, Dragos GUDOVAN and Anca MARTON

 Controlled release profiles of *Eugenia caryophyllata*, *Artemisia annua* and *Carum Carvi* volatile oils from organic functionalized MCM-41 support

Rev. Roum. Chim., 2014, 59(2), 111-116

Key words: organic functionalized, release profile, MCM-41, volatile oils.

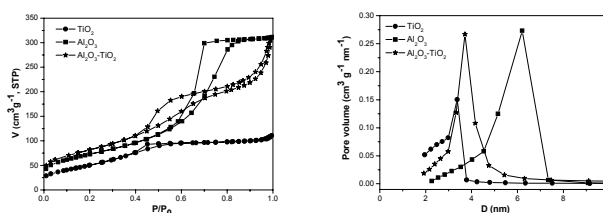
Hassan Abazied SHINDY

Synthesis of different classes of six membered heterocyclic cyanine dyes


Key words: cyanine dyes, synthesis, six membered cyanine dyes, carbocyanine dyes, styryl cyanine dyes, mero cyanine dyes, bridged cyanine dye.

Rev. Roum. Chim., 2014, 59(2), 117-123

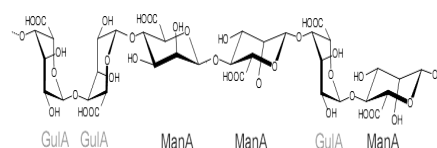
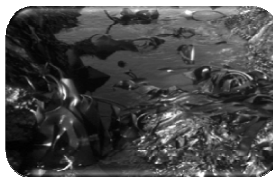
Tiberiu DASCALESCU, Ligia TODAN, Adriana RUSU, Silviu PREDA, Cristian ANDRONESCU, Daniela C. CULITA, Cornel MUNTEANU and Maria ZAHARESCU

 Nanosized Al₂O₃-TiO₂ oxide powder with enhanced porosity obtained by sol-gel method

Key words: Al₂O₃-TiO₂ nanopowders, sol-gel preparation, microstructure, specific surface area, pore size distribution.

Rev. Roum. Chim., 2014, 59(2), 125-133

Fatiha BELALIA and Nacer-Eddine DJELALI

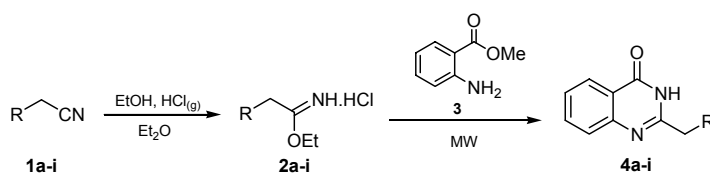
Rheological properties of sodium alginate solutions


Key words: rheology, biopolymer, sodium alginate, viscosity, storage moduli, loss moduli.

Rev. Roum. Chim., 2014, 59(2), 135-145

Emre MENTEŞE and Bahittin KAHVECİ

Microwave-assisted synthesis of some 2-substituted quinazolin-4(3H)-one derivatives from iminoesters hydrochlorides

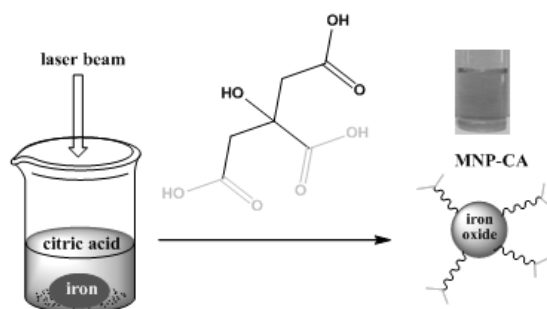


Key words: quinazolinone, microwave synthesis, iminoester hydrochloride, methyl anthranilate.

Rev. Roum. Chim., 2014, 59(2), 147-150

Anamaria DURDUREANU-ANGHELUTA,
Claudia MIHESAN, Florica DOROFTEI,
Andrei DASCALU, Laura URSU,
Michalis VELEGRAKIS and
Mariana PINTEALA

Formation by laser ablation in liquid (LAL) and characterization of citric acid-coated iron oxide nanoparticles



Key words: pulsed laser ablation, iron oxides, magnetic nanoparticles, liquid media.

Rev. Roum. Chim., 2014, 59(2), 151-159
