

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

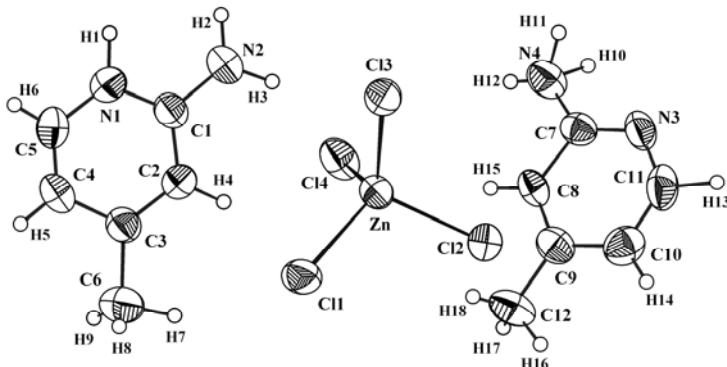
Tome 53, N° 3

Mars 2008

PAPERS

I. Ben GHARBIA, R. KEFI, C. Ben NASR and A. DURIF

Structure and characterization of a new inorganic-organic hybrid complex of Zn(II) with 2-amino-4-methylpyridine

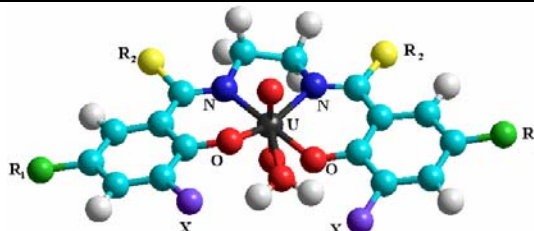


Key words: 2-amino-4-methylpyridine, organic-inorganic hybrid, π - π interactions, Nuclear Magnetic Resonance (NMR).

Rev. Roum. Chim., 2008, 53(3), 169-175

Aurel PUI, Doina HUMELNICU, Ionel HUMELNICU and Cătălin TANASE

Synthesis of some complexes of dioxouranium(VI) with di-halogeno-tetra-methyl salen ligands

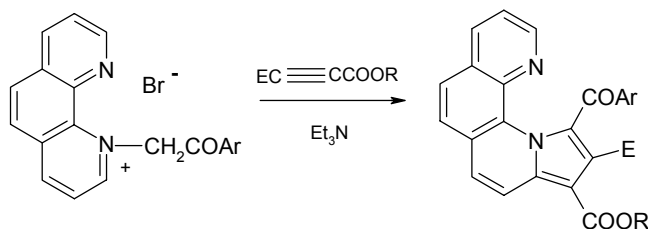


Key words: Uranium(VI) complexes, Schiff bases.

Rev. Roum. Chim., 2008, 53(3), 177-182

Florea DUMITRAȘCU, Mino R. CAIRA, Constantin DRĂGHICI, Miron T. CĂPROIU, Loredana BARBU and Barbu MIU

New 1,10-phenanthroline derivatives with potential antitumoral activity



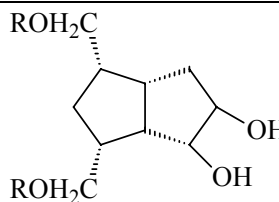
Ar = 4-NCC₆H₄; E = H or COOR

Key words: *N*-ylide, 1,3-dipolar cycloaddition, pyrrolophenanthrolines, antitumoral activity.

Rev. Roum. Chim., 2008, 53(3), 183-187

Constantin I. TĂNASE, Florea G. COCU, Constantin DRĂGHICI and Miron T. CĂPROIU

Useful intermediates for fine organic synthesis by hydroxylation of 1,2,3,3a,4,6a-hexahydro-1,3-pentalenedimethanol and *bis* OH-protected derivatives

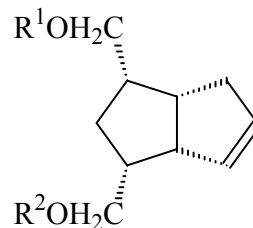


Key words: hexahydro-pentalenedimethanol, KMnO₄ hydroxylation, NMR spectra.

Rev. Roum. Chim., 2008, 53(3), 189-193

Constantin I. TĂŢANASE, Florea G. COCU,
Constantin DRĂGHICI and
Miron T. CĂPROIU

1,2,3,3a,4,6a-hexahydro-1,3-pentalenedimethanol,
mono and *bis* OH-protected derivatives, useful
intermediates for fine organic synthesis



Rev. Roum. Chim., 2008, 53(3), 195-202

Key words: hexahydro-pentalenedimethanol, esters, ethers, NaBH₄ reduction, NMR spectra.

Alexandru CECAL, Ada MACOVEI,
Gabriela TAMBA, Oana HAUTA, Karin POPA,
Dumitru GANJU and Ioana RUSU

On the hydrogen production by catalyzed radiolysis of water

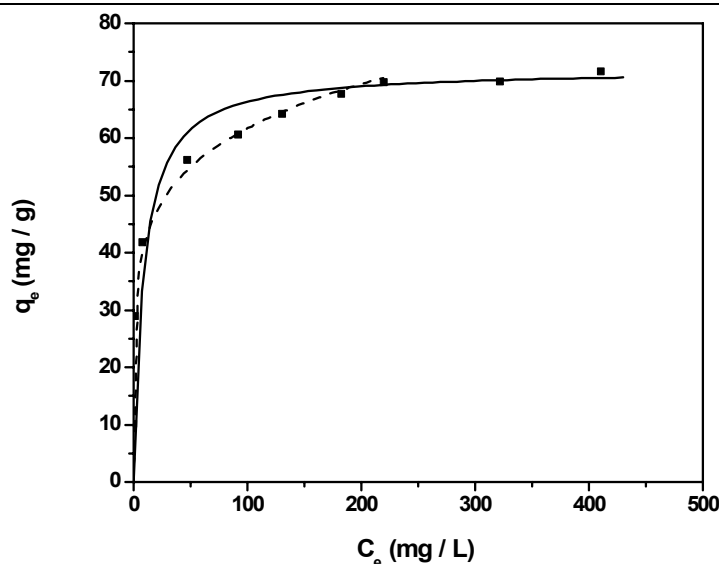
$$G_{H_2} = \frac{b \cdot I_x}{D \cdot t \cdot \rho \cdot I_{et}} \times 9,66 \cdot 10^6$$

Rev. Roum. Chim., 2008, 53(3), 203-206

Key words: catalysts, γ -rays, hydrogen, water radiolysis, zeolites.

Rodica PODE, Eveline POPOVICI,
Erika REISZ, Laura COCHECI,
Elena Mihaela SEFTEL and Vasile PODE

Sorption characteristics of phosphate and
thiocyanate anions on multicomponent Mg/Ni-Al-
type hydrotalcites

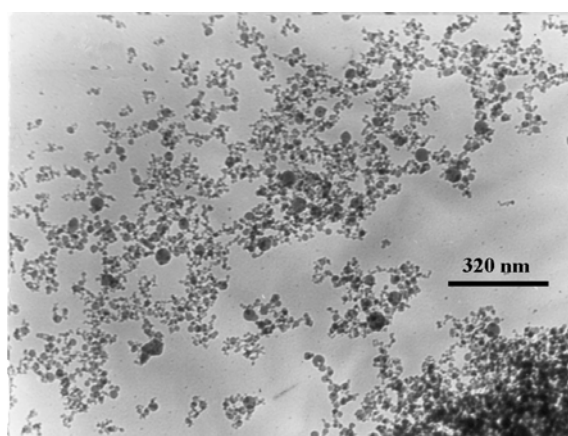


Rev. Roum. Chim., 2008, 53(3), 207-215

Key words: Mg/Ni-Al hydrotalcites, anions sorption, equilibrium, standard Gibbs energy.

Gianina DOBRESCU, Emilia BALABANOVA,
Maria ZAHARESCU and Niculae I. IONESCU

TEM micrographs fractal analysis of silica powders

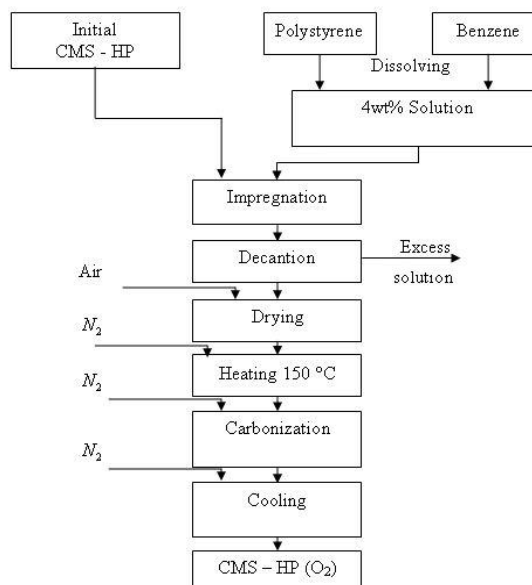


Rev. Roum. Chim., 2008, 53(3), 217-221

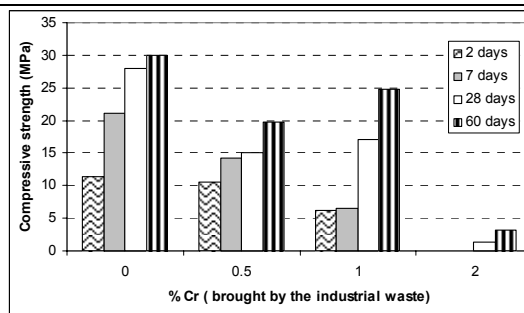
Key words: fractal dimension, sphere method, TEM micrograph, silica powders.

Mădălina VĂDUVA and Vasile STANCIU

Separation of nitrogen from air

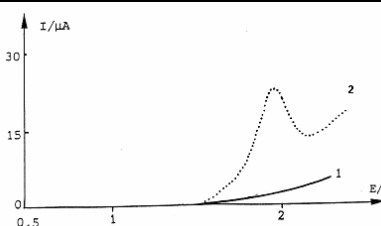
*Rev. Roum. Chim.*, 2008, 53(3), 223-228**Key words:** molecular sieves, adsorption, chromatography, coal.**Alina BĂDĂNOIU, Maria GEORGESCU and Anca ZAHANAGIU**

Properties of blended cements with hazardous waste content

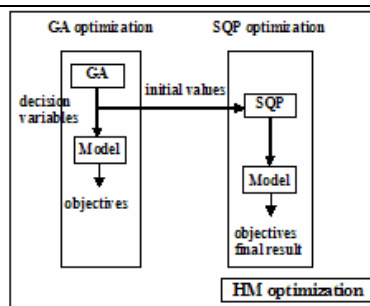
*Rev. Roum. Chim.*, 2008, 53(3), 229-237**Key words:** hazardous waste, blended cements, stabilization/solidification, properties.**Nacer-Eddine DJELALI et Leila DADDI OUBEKKA**

Polymérisation cationique du styrène par anode soluble

Cationic polymerization of styrene by anodic dissolution

**Key words:** électropolymérisation, oxydation, anode métallique, voltampérométrie, coulométrie.*Rev. Roum. Chim.*, 2008, 53(3), 239-245**Silvia CURTEANU**

Multiobjective optimization of a free radical polymerization. III. A hybrid method based on genetic algorithms

*Rev. Roum. Chim.*, 2008, 53(3), 247-255**Key words:** multiobjective optimization, genetic algorithms, hybrid method, polymerization process.

