

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

Tome 51, N° 9

Septembre 2006

International Conference of Physical Chemistry *ROMPHYSICHEM – 12*

September 6 – 8, 2006

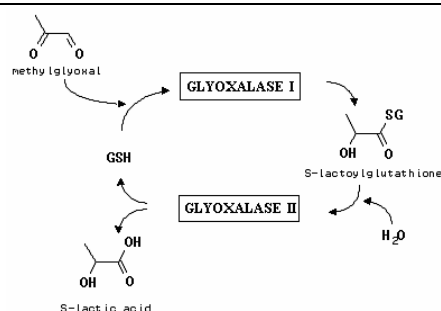
Bucharest, Roumania

Rev. Roum. Chim., 2006, 51(9), 859-860

REVIEW

Valeriu ATANASIU, Irina STOIAN,
Bogdan MANOLESCU and Olivera LUPESCU

The glyoxalase system – a link between carbonilic stress and human therapy



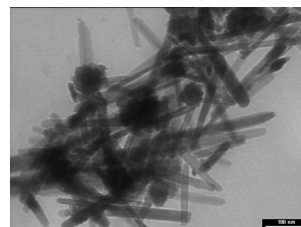
Key words: glyoxalase, α -oxoaldehydes, carbonyl stress, glyoxalase inhibitors.

Rev. Roum. Chim., 2006, 51(9), 861-870

PAPERS

Anca DUMBRAVĂ, Victor CIUPINĂ, Bogdan JURCĂ, Gabriel PRODAN and Maria BREZEANU

Mixed complex sulfides of cadmium and iron with *p*-diaminobenzene as ligand

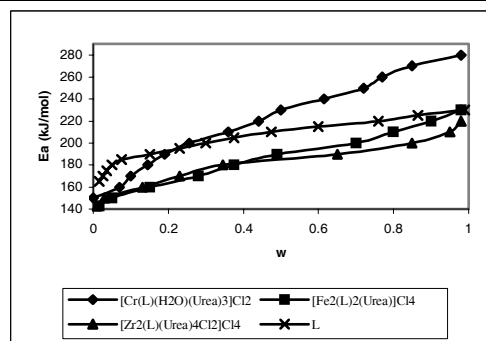


Key words: complex sulfide, cadmium complex, iron complex, *p*-diaminobenzene, thiourea, thermal analysis, nanoparticles, TEM.

Rev. Roum. Chim., 2006, 51(9), 871-875

Neculai FOCA and Gabriela LISA

Synthesis and characterization of mixed-ligand complexes of Cr(III), Fe(III) and Zr(IV) ions with urea and organic ligands



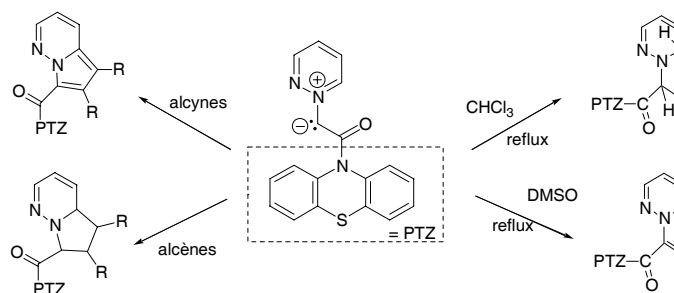
Key words: chrome iron, zirconium, complex compounds with mixed ligands, thermal stability.

Rev. Roum. Chim., 2006, 51(9), 877-886

Elena BĂCU, Dalila BELEI, Axel COUTURE et Pierre GRANDCLAUDON

Synthese de dérivés de pyrrolo[1,2-*b*]pyridazine greffés sur la *N*-acylphénothiazine

Synthesis of pyrrolo[1,2-*b*]pyridazine derivatives engrafted on *N*-acylphénothiazine

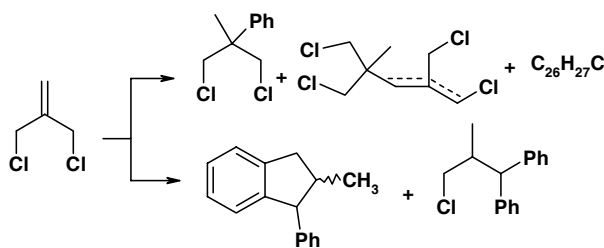


Key words: pyrrolo[1,2-*b*]pyridazine, phenothiazine, nitrogen-ylide, cycloadditions.

Rev. Roum. Chim., **2006**, 51(9), 887-894

Ali A. KHALAF, Hassan A. ALBAR and Saleh O. BAHAFI

Modern Friedel-Crafts chemistry. Part 25. Friedel-Crafts alkylation of benzene with 3-chloro-2-(chloromethyl)-1-propene

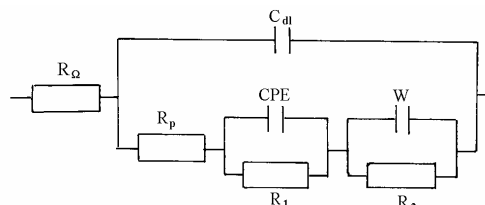


Key words: molecular rearrangement, dimerization, cyclialkylation, catalysis, methylphenylindans.

Rev. Roum. Chim., **2006**, 51(9), 895-898

Mihai V. POPA, Soong-Hyuck SUH, Ecaterina VASILESCU, Paula DROB, Cora VASILESCU and Julia Claudia MIRZA ROSCA

Corrosion resistance modeling of a new titanium alloy in acid environments

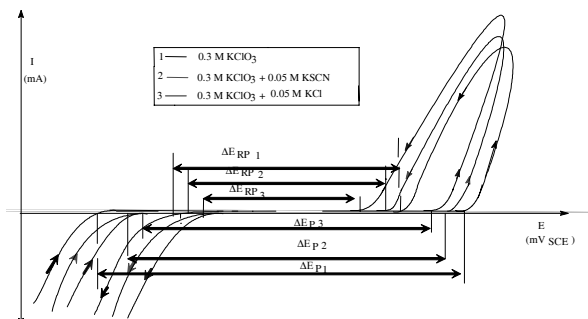


Key words: Ti-0.5Mo-1Ni alloy (casting and forging state), modeling of corrosion behaviour, equivalent electric circuit.

Rev. Roum. Chim., **2006**, 51(9), 899-906

Viorel BRÂNZOI, Florentina GOLGOVICI and Florina BRÂNZOI

Electrochemical characterization of passive films on pure aluminium electrodes in different experimental conditions

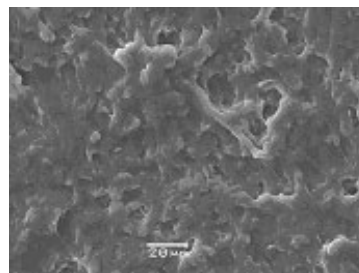


Key words: oxide film; aggressive anion; repassivation potential; passivation; pitting corrosion.

Rev. Roum. Chim., **2006**, 51(9), 907-913

Mihai Cosmin COROBEA, Violeta URICANU, Dan DONESCU, Constantin RADOVICI, Sever ȘERBAN, Sorina GĂREA and Horia IOVU

Poly(vinyl acetate)-montmorillonite composites prepared via emulsion polymerization with nonionic surfactant

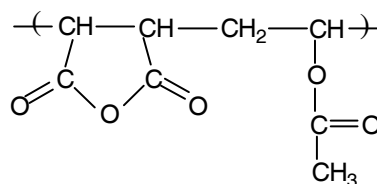


Rev. Roum. Chim., 2006, 51(9), 915-922

Key words: composites, emulsion polymerization, polyvinylacetate, clay.

Gabrielle Charlotte CHIȚANU, Irina POPESCU and Adrian CARPOV

Synthesis and characterization of maleic anhydride copolymers and their derivatives. 2. New data on the copolymerization of maleic anhydride with vinyl acetate

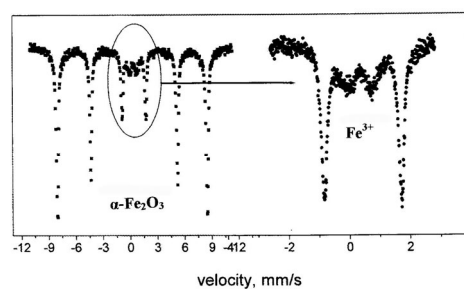


Rev. Roum. Chim., 2006, 51(9), 923-929

Key words: radical copolymerization, maleic anhydride-vinyl acetate copolymers, molecular mass.

Ernő KISS, Tatjana VULIĆ, Andreas REITZMANN and Károly LÁZÁR

Photo-Fenton catalysis for wet peroxide oxidation of phenol on Fe-ZSM-5 catalyst



Rev. Roum. Chim., 2006, 51(9), 931-936

Key words: Fe-ZSM-5 catalyst, phenol, peroxide oxidation, retardation.