

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

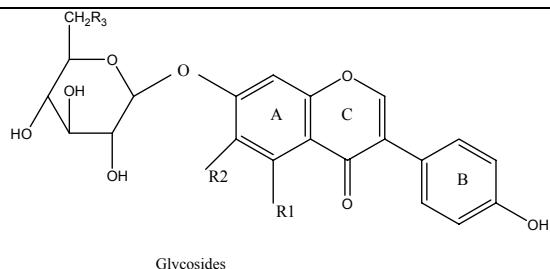
Tome 52, N° 6

Juin 2007

REVIEW

Mariana ALBULESCU
and Marinela POPOVICI

Isoflavones – biochemistry, pharmacology and therapeutic use



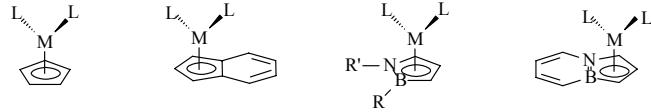
Rev. Roum. Chim., 2007, 52(6), 537-550

Key words: isoflavone, phytoestrogens, daidzein, genistein, equol.

PAPERS

Laura ORIAN

A DFT investigation of the structural and electronic properties of Co(I) and Rh(I) half-sandwich complexes with heteroaromatic π ligands



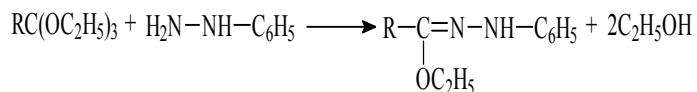
M = Co, Rh L = C₂H₂; L₂ = COD R = N(CH₃)₂ R' = CH₃

Rev. Roum. Chim., 2007, 52(6), 551-558

Key words: DFT calculations, cobalt, rhodium, heteroaromatic π ligands, alkyne cyclotrimerization.

George BRĂTULESCU

Préparation des hydrazoneates à partir des orthoesters et phénylhydrazine



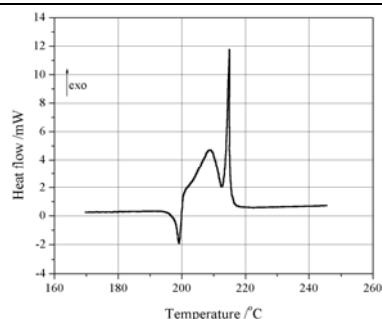
Preparation of hydrazoneates from orthoesters and phenylhydrazine

Rev. Roum. Chim., 2007, 52(6), 559-560

Key words: hydrazoneates, alumine, micro-ondes, spectres IR.

Adina Magdalena MUSUC, Crisan POPESCU,
Domnina RAZUS and Dumitru OANCEA

Non-isothermal kinetic analysis of thermal decomposition of 2,4-dinitrophenylhydrazine

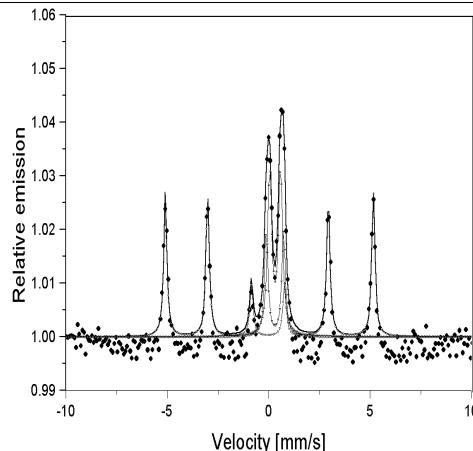


Rev. Roum. Chim., 2007, 52(6), 561-567

Key words: thermal decomposition; 2, 4 - dinitrophenylhydrazine; non -isothermal kinetic analysis; multi - step reaction.

**Adriana PĂTRU, Ion BIBICU,
Mihaela FLOROIU, Mircea PREDA
and Bogdan TUTUNARU**

A study on the inhibition of carbon steel corrosion in an 1M HCl solution by using ammonium polymolibdate (APM)

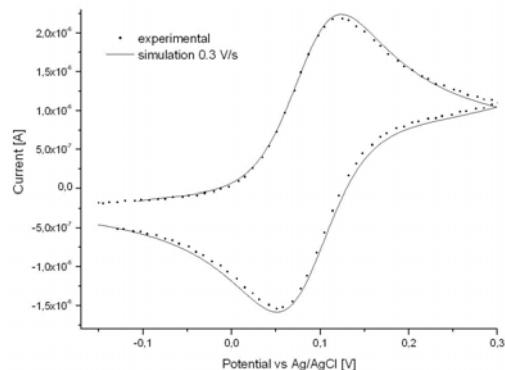


Rev. Roum. Chim., 2007, 52(6), 569-576

Key words: carbon steel, corrosion, inhibition, Mössbauer spectrometry, ammonium polymolibdate.

Dan DRAGU and Mihai BUDA

Basic discretisation techniques used in cyclic voltammetry numerical simulations. Comparisons and practical aspects

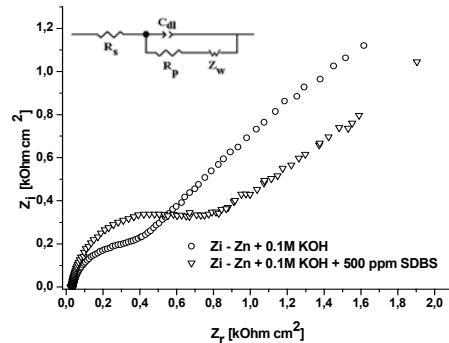


Rev. Roum. Chim., 2007, 52(6), 577-585

Key words: digital simulation, cyclic voltammetry, discretisation.

**Viorel BRÂNZOI, Alina PRUNĂ
and Florina BRÂNZOI**

The effect of some organic surfactants on the corrosion of zinc in neutral and alkaline aqueous solutions

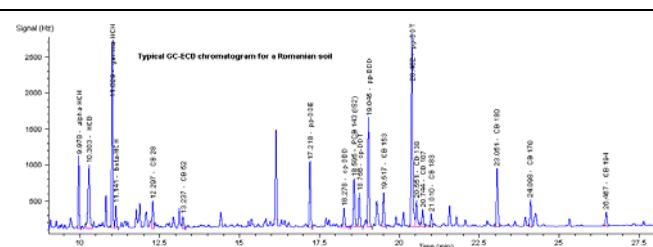


Rev. Roum. Chim., 2007, 52(6), 587-595

Key words: hydrogen overvoltage, surfactants, inhibitive action, corrosion process, dissolution kinetics.

**Doina DRĂGAN, Simona CUCU-MAN,
Raluca MOCANU and Adrian COVACI**

Accelerated solvent extraction method for the determination of polychlorinated biphenyls and organochlorine pesticides in soil

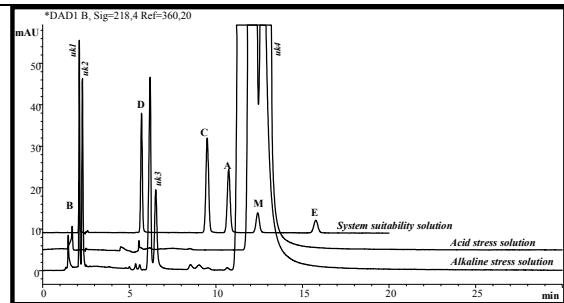


Rev. Roum. Chim., 2007, 52(6), 597-601

Key words: accelerated solvent extraction, organochlorine pesticides, polychlorinated biphenyls, soil.

Florentin TACHE and Monica ALBU

Specificity of an analytical HPLC assay method of metformin hydrochloride



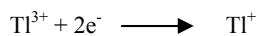
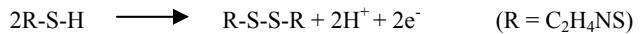
Key words: specificity, selectivity, Metformin, photolysis, photolytic-hydrolysis, acidic/alkaline hydrolysis, oxidation, thermal degradation.

Rev. Roum. Chim., 2007, 52(6), 603-609

**J. KARTHIKEYAN, P. PARAMESHWARA,
A. NITYANANDA SHETTY and Prakash SHETTY**

Thioacetamide as a releasing agent for the complexometric determination of thallium(III) in its synthetic alloys and complexes

Rev. Roum. Chim., 2007, 52(6), 611-615



Key words: EDTA, thallium determination, thioacetamide, complexometric method.