

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

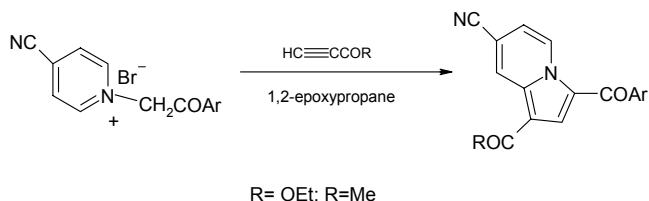
Tome 53, N° 8

Août 2008

PAPERS

Florea DUMITRAȘCU, Emilian GEORGESCU,
Florentina GEORGESCU, Petru FILIP,
Barbu MIU and Dan G. DUMITRESCU

New substituted indolizines by 1,3-dipolar
cycloaddition reactions. Part 2. 7-cyanoindolizines

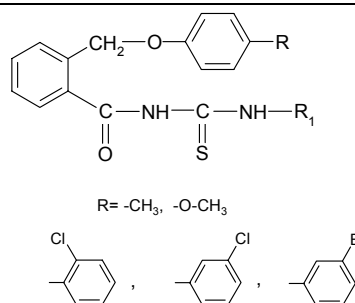


Key words: pyridinium *N*-ylides, acetylenic dipolarophiles, 1,3-dipolar cycloaddition, epoxides, 7-cyanoindolizine.

Rev. Roum. Chim., 2008, 53(8), 589-594

Carmen LIMBAN, Alexandru-Vasile MISSIR,
Ileana Cornelia CHIRIȚĂ, Carmellina
Daniela BĂDICEANU, Constantin DRĂGHICI,
Mariana Carmen BALOTESCU and
Oana STAMATOIU

New thioureides of 2-(4-methyl-phenoxy-methyl)-
benzoic and 2-(4-methoxy-phenoxy-methyl)-
benzoic acids with biological activity

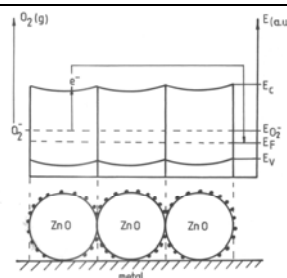


Key words: thiourea derivatives, thioureides, 2-(4-methyl-phenoxy-methyl)-benzoic acid, 2-(4-methoxy-phenoxy-methyl)-benzoic acid.

Rev. Roum. Chim., 2008, 53(8), 595-602

Niculae I. IONESCU and
Monica CĂLDĂRARU

Desorption kinetics in the ZnO nanopowder/ O₂
system

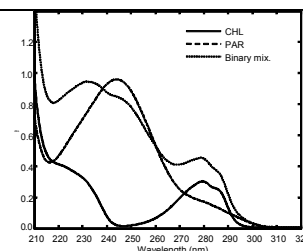


Key words: desorption, charge transfer, ZnO.

Rev. Roum. Chim., 2008, 53(8), 603-605

Erdal DİNÇ, Fahrettin ARSLAN and
Dumitru BĂLEANU

Spectrophotometric simultaneous analysis of two-
component mixture by bivariate and multivariate
calibrations using the linear regression functions

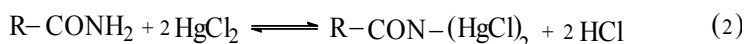
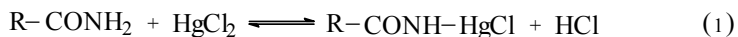
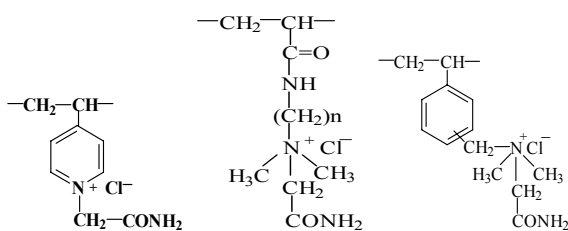


Key words: spectral bivariate calibration, spectral multivariate calibration, simultaneous determination, chlorzoxazone, paracetamol, tablets.

Rev. Roum. Chim., 2008, 53(8), 607-615

**Daniela Simina ȘTEFAN, Ion UNTEA,
Violeta NEAGU, Cornelia LUCA and
Mircea ȘTEFAN**

Selective retention of Hg^{2+} ions from aqueous solutions by various amide groups-functionalized copolymers

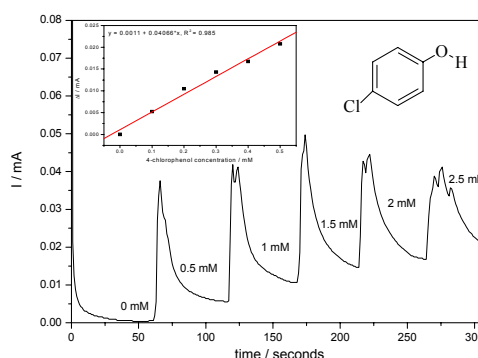


Key words: copolymers, amide functional groups, mercury, sorption, wastewaters treatment.

Rev. Roum. Chim., 2008, 53(8), 617-622

**Aniela POP, Florica MANEA,
Ciprian RADOVAN, Ioana CORB,
Georgeta BURTICA, Plamen MALCHEV,
Stephen PICKEN and Joop SCHOONMAN**

Determination of 4-chlorophenol using two types of graphite-based composite electrodes

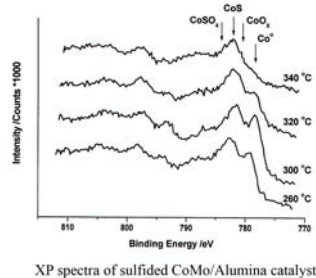


Key words: expanded graphite based composite electrode, 4-chlorophenol, electrochemical determination.

Rev. Roum. Chim., 2008, 53(8), 623-628

**Radoslav D. MIĆIĆ,
Radmila P. MARINKOVIĆ-NEDUČIN,
Zoltán SCHAY, István NAGY,
Milica HADNAĐEV and Ernő E. KISS**

Influence of activation temperature on structural and textural properties of $\text{CoMo}/\text{Al}_2\text{O}_3$ hydrodesulfurization catalyst



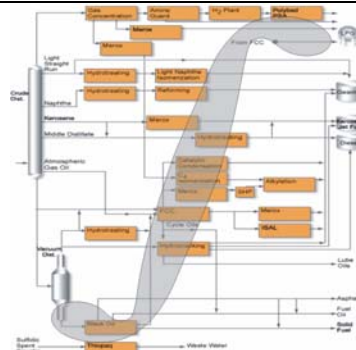
XP spectra of sulfided CoMo/Alumina catalyst

Key words: CoMo/Alumina, HDS catalyst, activation temperature, XP spectra.

Rev. Roum. Chim., 2008, 53(8), 629-634

**Gheorghe BUMBAC, Cristian CIORNEI,
Adrian TURCU and Ovidiu MUNTEAN**

New solution for thermal coupling between a crude distillation unit and a fluid catalytic cracking unit

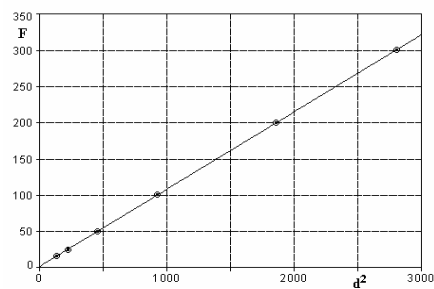


Key words: thermal process pinch, grand composite curves, process integration, process heat recovery.

Rev. Roum. Chim., 2008, 53(8), 635-642

**Mircea Ionuț PETRESCU and
Minodora PASĂRE**

True hardness of Ni-P/SiC coatings derived by a
mathematical model

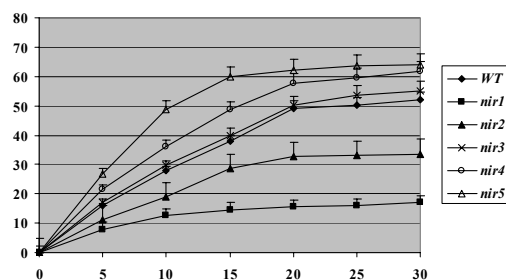


Rev. Roum. Chim., 2008, 53(8), 643-646

Key words: electrolytic Ni-P/SiC coatings, ISE effect, true hardness,
microhardness mathematical processing.

**Ileana C. FĂRCĂȘANU, Codruța
PARASCHIVESCU, Lavinia RUȚĂ,
Eliza OPREA and Sorin AVRAMESCU**

Manipulation of Ni²⁺ tolerance of *Saccharomyces
cerevisiae* cells: a primary step to bioremediation
by removal and recovery of Ni²⁺ from
contaminated waters



Rev. Roum. Chim., 2008, 53(8), 647-651

Key words: *Saccharomyces cerevisiae*, nickel, tolerance,
hyperaccumulation.

