

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

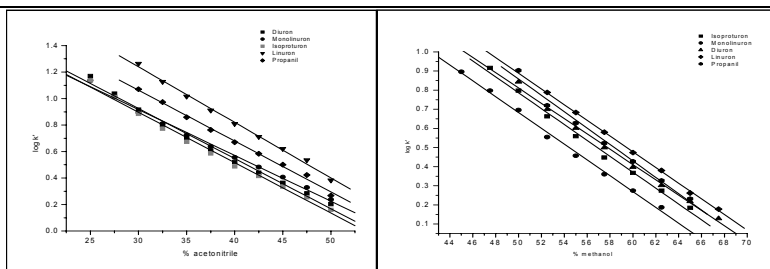
Tome 54, N° 4

Avril 2009

## PAPERS

**Jana PETRE, Vasile IANCU and Victor DAVID**

Benzene/water partition constants and thermodynamic parameters estimated from liquid chromatography retention of some herbicides using phenyl-silica stationary phase

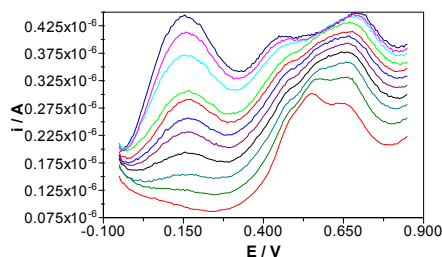


**Key words:** benzene/water partition constants, liquid chromatography, phenyl-silica, herbicides, thermodynamics.

*Rev. Roum. Chim.*, 2009, 54(4), 259-264

**Stelian LUPU and Constantin MIHAILCIUC**

Electrodeposition, characterization and application of Pt/P3MT/CoHCF modified electrode

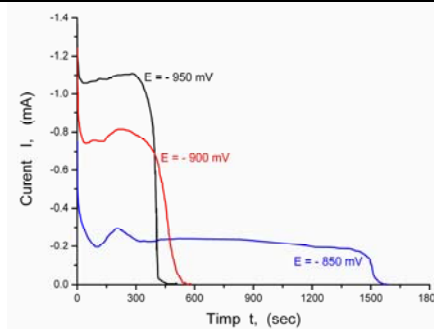


**Key words:** ascorbic acid, cobalt(II)-hexacyanoferrate, poly(3-methylthiophene), bilayer electrode, differential pulse voltammetry.

*Rev. Roum. Chim.*, 2009, 54(4), 265-271

**Mihai V. POPA, Cristina DONATH, Niculae ENE and Elena NEACȘU**

Chemical and electrochemical stability of some molybdenum compounds in molten alkali electrolytes

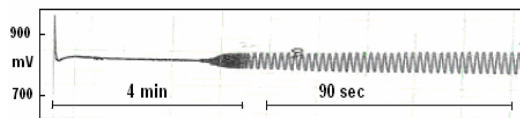


**Key words:** molybdenum, cyclic voltammetry, molten electrolytes, chemical stability, electrode kinetics.

*Rev. Roum. Chim.*, 2009, 54(4), 273-279

**Florin CRIȘAN and Ervin SALLO**

Dynamic behavior of zinc anode in nitric acid – potassium dichromate media. Influence of the electrolyte composition

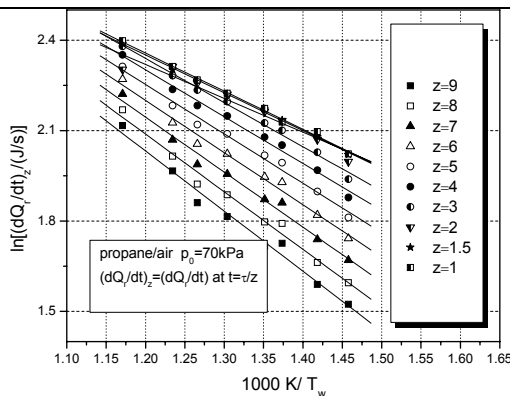


**Key words:** nitric acid, potassium dichromate, oscillations.

*Rev. Roum. Chim.*, 2009, 54(4), 281-285

**Octavian STAICU, Valentin MUNTEANU and Dumitru OANCEA**

Transition from kinetic to diffusion control during the catalytic ignition of alkane/ air mixtures on platinum

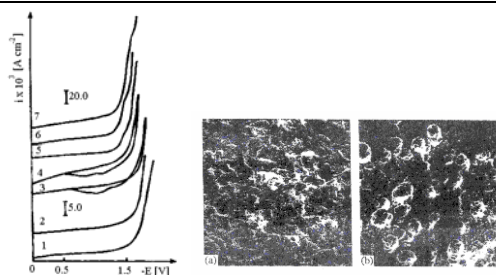


*Rev. Roum. Chim.*, 2009, 54(4), 287-292

**Key words:** catalytic combustion, platinum wire, alkane/air mixture, kinetic and diffusion control.

**Victor MALYSHEV, Angelina GAB, Ana-Maria POPESCU and Virgil CONSTANTIN**

Electrochemical surface plating based on tungsten carbide and zirconium diboride



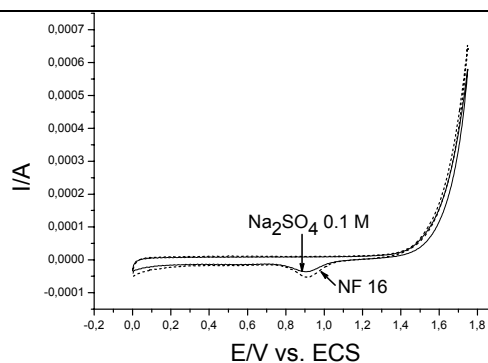
*Rev. Roum. Chim.*, 2009, 54(4), 293-299

**Key words:** surface plating, molten salts, tungsten carbide, zirconium diboride.

**Monica IHOȘ, Florica MANEA, Gligor BOCEA et Maria JITARU**

Le comportement electrochimique des anodes en SnO<sub>2</sub> modifiées en presence des polluants phénoliques

Electrochemical behaviour of modified SnO<sub>2</sub> anodes in the presence of phenolic pollutants

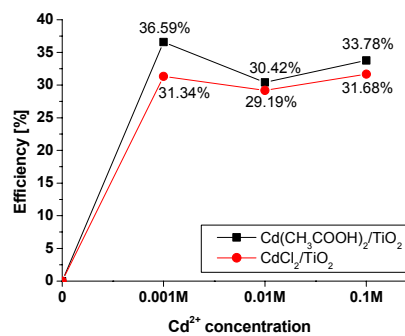


*Rev. Roum. Chim.*, 2009, 54(4), 301-307

**Key words:** anodes en SnO<sub>2</sub>, nonylphénols éthoxylés, voltammétrie cyclique.

**Radu Adrian CÂRCEL, Luminița ANDRONIC and Anca DUȚĂ**

Cd<sup>2+</sup> modified TiO<sub>2</sub> for methyl orange photodegradation

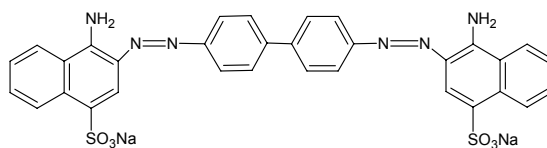


*Rev. Roum. Chim.*, 2009, 54(4), 309-312

**Key words:** titanium dioxide, photocatalysis, cadmium, doping.

**Rodica PODE, Evelini POPOVICI,  
Aurelia VASILE, Laura COCHECI and  
Emiliana DVININOV**

Sorption and photocatalytic degradation of azoic dyes on TiO<sub>2</sub>-pillared montmorillonitic clay

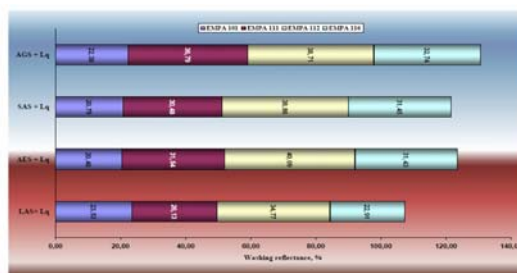


*Rev. Roum. Chim.*, 2009, 54(4), 313-321

**Key words:** sorption, photocatalytic degradation, pillared clay, azoic dye.

**Stela FLORESCU, Gabriela CRISTESCU and  
Minodora LECA**

Alternative surfactants for LAS in environmentally friendly detergent compositions



**Key words:** environment friendly detergent compositions, alkylethersulphate, secondary alkanesulphate, sulphatated fatty alcohol, protease.

*Rev. Roum. Chim.*, 2009, 54(4), 323-327

