

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

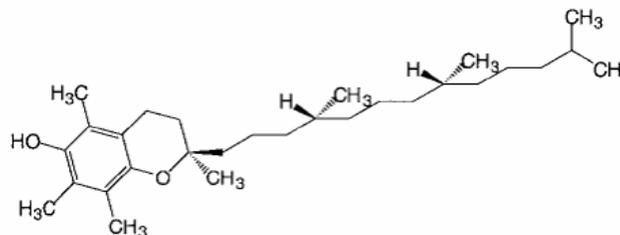
Tome 51, N° 3

Mars 2006

REVIEW

Valeriu ATANASIU, Irina STOIAN,
Cornelia CERCASOV and Bogdan
MANOLESCU

α -tocopherol transfer protein: molecular
aspects of specific recognition of α -tocopherol



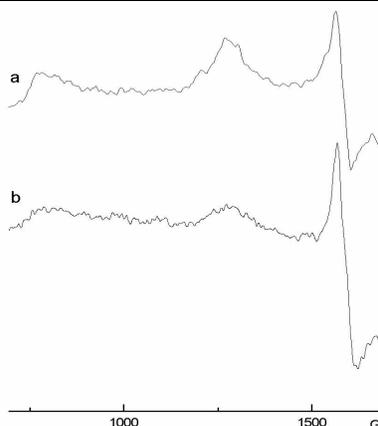
Rev. Roum. Chim., 2006, 51(3), 163-168

Key words: α -tocopherol, tocopherol binding protein, AVED, oxidative stress.

PAPERS

Cornelia G. PALIVAN, Elena BĂCU,
Simona ANTONESCU, Cornelia GURAN
and Georg GESCHEIDT

Biologically active Cu(II) and Fe(III) complexes
of a phenothiazine derivative with an extended
coordination sphere. Solution structures

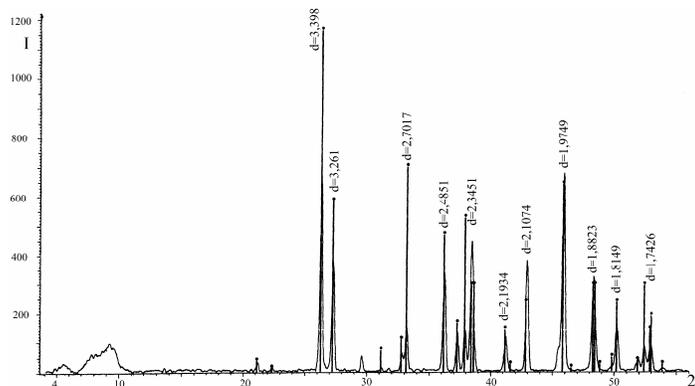


Rev. Roum. Chim., 2006, 51(3), 169-178

Key words: copper and iron complexes of N-[α - benzoyl-amino- β -(10-methyl
3-phenothiazinyl)-acryloyl]-phenylhydrazine.

Oana STĂNĂȘEL, Aurel IOVI,
Hreġna KRISTMANNDOTTIR
and Iulian STĂNĂȘEL

Physical-chemistry studies on geothermal
waters and scale formations

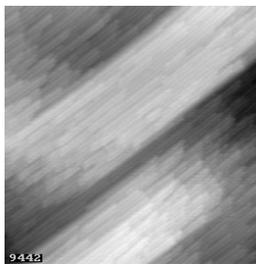


Rev. Roum. Chim., 2006, 51(3), 179-185

Key words: deposition control, Watch simulation program, chalcedony
geothermometer.

Gianina DOBRESCU, Mihai ANASTASESCU and Niculae I. IONESCU

Analyzing STM images of Cu(110) in dilute hydrochloric acid using the dynamic scaling method

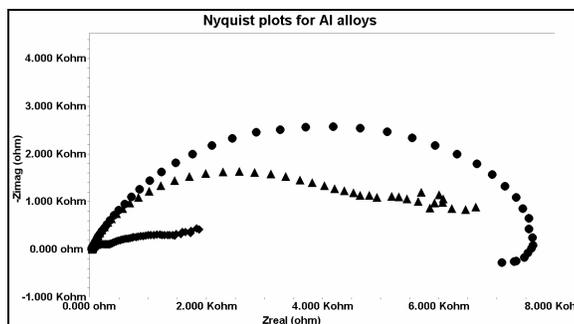


Key words: STM, fractal dimension, dynamic scaling approach, Cu(110).

Rev. Roum. Chim., 2006, 51(3), 187-191

Alexandra BANU, Maria MARCU, Octavian RADOVICI, Cristian PIRVU and Marius VASILESCU

Electrodissolution studies of three aluminum alloys in acid, neutral and alkaline solutions

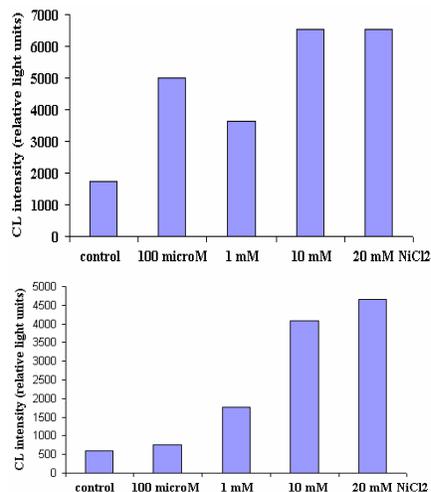


Rev. Roum. Chim., 2006, 51(3), 193-198

Key words: aluminium alloys, corrosion behaviour, EIS.

Raluca CIUBĂR, Valentina MITRAN, Anișoara CÎMPEAN, Dana IORDĂCHESCU

In vitro effects of nickel on human embryonic lung fibroblasts

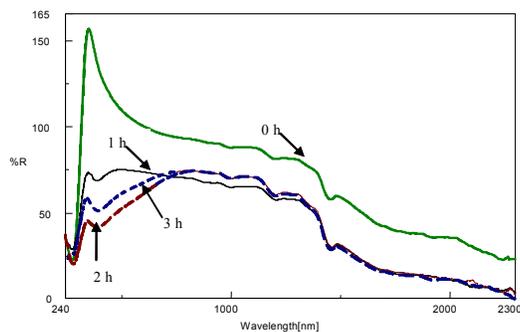


Rev. Roum. Chim., 2006, 51(3), 199-203

Key words: apoptosis, fibroblasts, oxidative stress, nickel.

Gheorghe IVAN, Maria GIURGINCA, Nicoleta IFTIMIE and Aurelia MEGHEA

Natural antioxidants for thermo-oxidative stabilization of elastomers

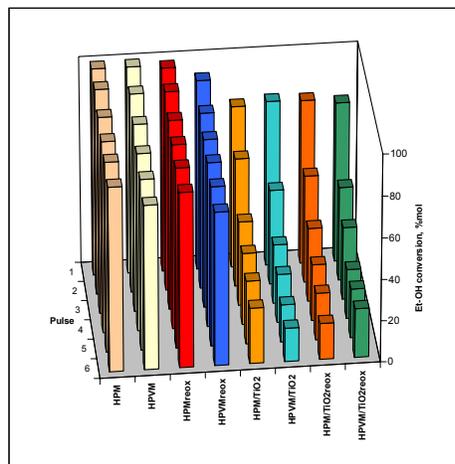


Rev. Roum. Chim., 2006, 51(3), 205-210

Key words: natural antioxidants, elastomers, FT-IR spectroscopy, chemiluminescence

**Alexandru POPA, Viorel SASCA,
Radmila MARINKOVIĆ-NEDUČIN
and Erne E. KIŠ**

Catalytic properties of titania-supported
heteropolyacids for ethanol oxidation



Rev. Roum. Chim., 2006, 51(3), 211-217

Key words: heteropolyacids, titania, ethanol conversion, reaction.

**Romulus DIMA, Gheorghe SOARE,
Grigore BOGZA and Valentin PLEȘU**

Gas-liquid hydrodynamics in counter-current
columns with KATAPAK®-S and BX
structured packing



Rev. Roum. Chim., 2006, 51(3), 219-226

Key words: structured packing; gas-liquid flow; pressure drop; liquid hold-up; residence times.

Ion TRANDAFIR and Radu Z. TUDOSE

The study of the extraction columns with
cylindrical rotor – the hold-up

$$\varepsilon_d = 10^{-6,113} (Ta \cdot F_g)^{0,9582} Re_{ax}^{0,1742} V_d^{0,817} \delta^{-2},$$

Rev. Roum. Chim., 2006, 51(3), 227-232

Key words: extraction liquid-liquid, hold-up, equation..