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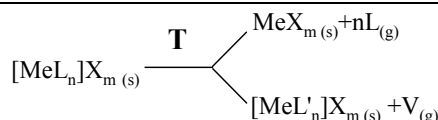
Professor Petru Spacu (1906 - 1995)

Rev. Roum. Chim., 2006, 51(6), 477

REVIEW

Oana CARP

The influence of the ligands on the thermal behaviour of solid coordination compounds



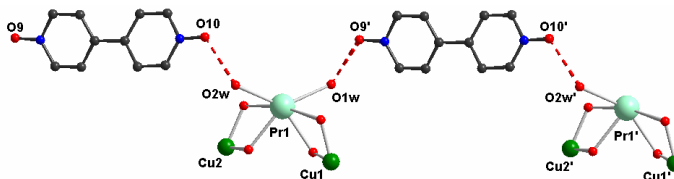
Rev. Roum. Chim., 2006, 51(6), 479–489

Key words: coordination compounds; ligands; thermal behaviour.

PAPERS

Ruxandra GHEORGHE, Jean-Pierre COSTES, Bruno DONNADIEU and Marius ANDRUH

A new 1-D hydrogen bond polymer constructed from a trinuclear 3d-4f tecton and 4,4'-bipyridine-*N,N'*-dioxide

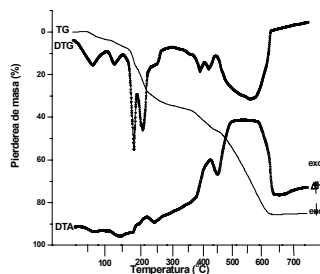


Rev. Roum. Chim., 2006, 51(6), 491–495

Key words: copper; lanthanides; hydrogen bond polymers; π - π stacking interactions.

Laura BANCU, Oana CARP, Nicolae STĂNICĂ and Ioana JITARU

Ni(II) ternary complexes containing diimine and cysteine

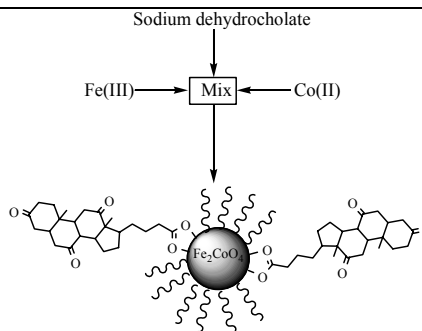


Rev. Roum. Chim., 2006, 51(6), 497–502

Key words: ternary Ni(II) complexes, cysteine, 2,2'-bipyridine, nickel enzyme.

Daniela C. CULIȚĂ, Gabriela MARINESCU, Luminița PATRON and Nicolae STĂNICĂ

Synthesis and characterization of cobalt ferrite nanoparticles coated with dehydrocholate anions

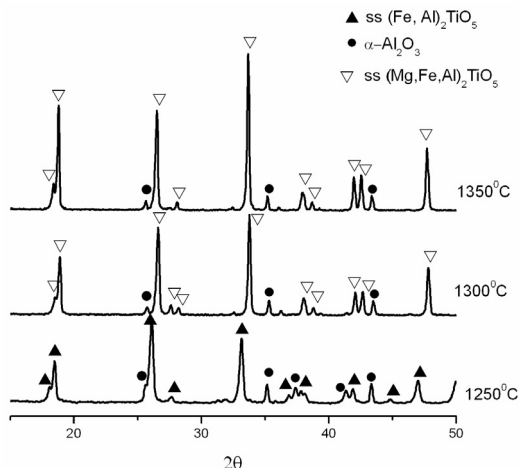


Rev. Roum. Chim., 2006, 51(6), 503–508

Key words: nanoparticles, cobalt ferrite, dehydrocholic acid, X-ray diffraction, magnetic measurements.

Maria PREDĂ, Alina MELINESCU,
Maria CRISAN, Silviu PREDĂ
and Maria ZAHARESCU

Tialite type solid solutions formation in the
MgO·Al₂O₃-Fe₂O₃·TiO₂- Al₂O₃·TiO₂ pseudo
ternary system

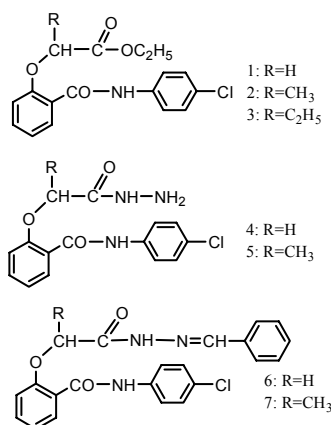


Rev. Roum. Chim., 2006, 51(6), 509–515

Key words: tialite, mineralogical composition, solid solution, sintering, density.

Alfa Xenia LUPEA, Iuliana POPESCU,
Corneliu TĂRĂBĂȘANU, Ioana IENAȘCU
and Mirabela PĂDURE

Synthesis of new 2-[2-(4-
chlorophenylcarbamoyl)-phenoxy]alkanoic acids
derivatives



Key words: 2-[2-(4-Chloro-phenylcarbamoyl)-
phenoxy]alkanoic acids; ethyl esters; hydrazides; hydrazones,
salicylanilide-O-substituted.

Rev. Roum. Chim., 2006, 51(6), 517–521

Niculae I. IONESCU and Monica CĂLDĂRARU

Desorption kinetics in the ZnO/O₂ system

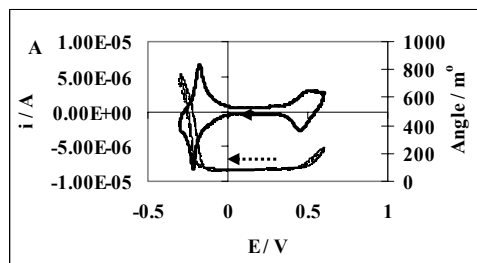
$$-\frac{dx}{dt} = k_1 [O_2(g)]^{1/2} [e^-]$$

Rev. Roum. Chim., 2006, 51(6), 523–525

Key words: desorption; thin film; ZnO/O₂.

Stelian LUPU

In-situ combined electrochemical surface
plasmon resonance study of ultra-thin Prussian
Blue deposited on gold electrodes

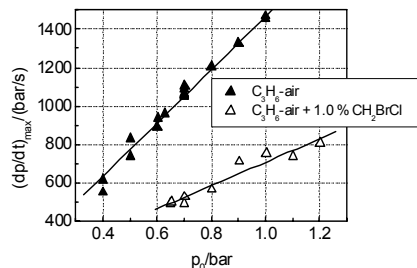


Key words: in-situ electrochemical surface plasmon resonance;
gold coated glass sensor; modified electrodes; Prussian Blue;
ultra thin films.

Rev. Roum. Chim., 2006, 51(6), 527–532

**Domnina RAZUS, Codina MOVILEANU
and Dumitru OANCEA**

Inhibition of premixed C_3H_6 -air flames by CH_2BrCl

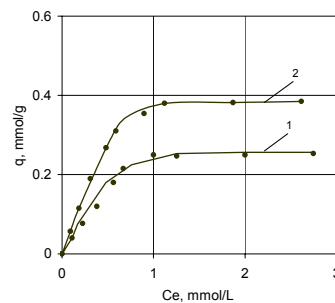


Key words: explosion; burning velocity; inhibition; propylene; bromochloromethane.

Rev. Roum. Chim., 2006, 51(6), 533–539

**Daniela Simina ȘTEFAN, Mircea ȘTEFAN
and Dănuț-Ionel VĂIREANU**

Removal of Cu(II) and Zn(II) ions on corn cobs

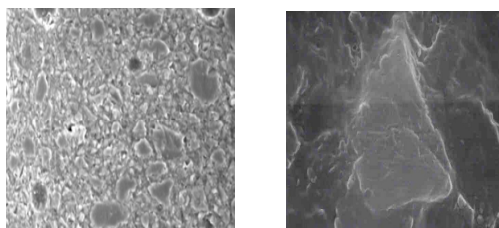


Rev. Roum. Chim., 2006, 51(6), 541–546

Key words: biosorption; corn cobs; heavy metals; SEM, EDX.

**Daniela-Cristina MOMETE, Enrica VERNE',
Chiara Vitale BROVARONE, Giulio
MALUCELLI, Marco SANGERMANO
and Dan-Sorin VASILESCU**

Polymeric composites for dentistry. I. Synthesis and characterization of a novel dental composite with polymeric matrix



Rev. Roum. Chim., 2006, 51(6), 547–554

Key words: dental composites; glass; photopolymerization; mechanical properties.