

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

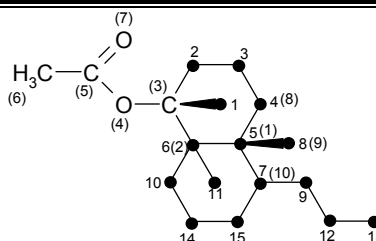
Tome 51, N° 2

Février 2006

REVIEW

Adrian CHIRIAC, Dan CIUBOTARIU,
Simona FUNAR-TIMOFEL, Ludovic
KURUNCZI, Maria MRACEC, Mircea
MRACEC, Zoltan SZABADAI, Edward
ŞECLĂMAN and Zeno SIMON

QSAR and 3D-QSAR in Timișoara. 1972 – 2005



Rev. Roum. Chim., 2006, 51(2), 79-99

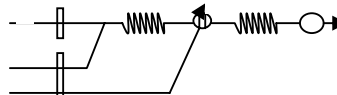
Key words: QSAR, 3D-QSAR, MSD, MTD, MTD-PLS, acetic acid derivatives.

PAPERS

Bogdan BUCUR, Mónica CATALA
ICARDO and José MARTINEZ
CALATAYUD

Spectrophotometric determination of
ammonium by an rFIA assembly

Rev. Roum. Chim., 2006, 51(2), 101-108

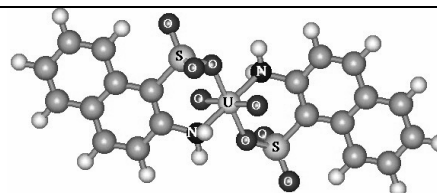


Key words: ammonia analysis, reverse Flow Injection Analysis (rFIA), modified Berthelot reaction, gas diffusion separation, spectrophotometric determination.

Doina HUMELNICU, Ionel HUMELNICU
and Dănuț Gabriel COZMA

Study of the UO_2^{2+} -acid-2-amino-1-naphtalen
sulphonic (ANS) system in solution

Rev. Roum. Chim., 2006, 51(2), 109-115

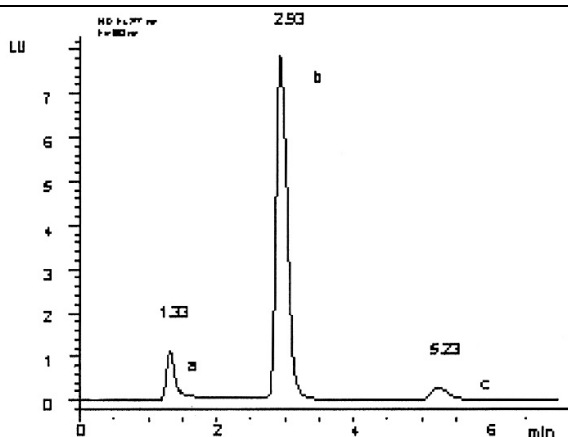


Key words: uranyl ions, semiempirical methods, Arsenazo III, spectrophotometric methods.

Abdil ÖZDEMİR, Halil AKSOY,
Erdal DINÇ, Dumitru BĂLEANU
and Saadet DERMIŞ

Determination of guaifenesin and
dextromethorphan in a cough syrup by
HPLC with fluorometric detection

Rev. Roum. Chim., 2006, 51(2), 117-122



Key words: liquid chromatography, fluorometric detection, syrup,

dextromethorphan, guaifenesin.

**Prakash SHETTY and
A. Nityananda SHETTY**

Complexometric determination of thallium(III) using sodium metabisulphite as a selective releasing agent

Rev. Roum. Chim., 2006, 51(2), 123-126

A simple, rapid and accurate complexometric method has been developed for the determination of thallium(III) using sodium metabisulphite as a selective releasing agent. The method has been successfully applied to the analysis of thallium in its complexes and synthetic alloy samples.

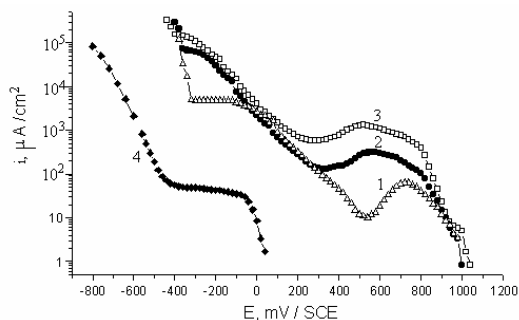
Key words: complexometry, EDTA complex, releasing agent, sodium metabisulphite, thallium determination.

**Gabriela Elena BADEA and
Teodora BADEA**

Kinetics and mechanism of the bromate electrochemical reduction at platinum electrode

Rev. Roum. Chim., 2006, 51(2), 127-133

Key words: bromate, reduction, platinum electrode, mechanism.

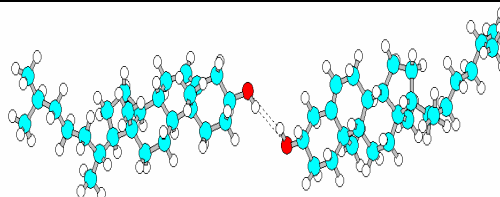


**Valentina CHIOSA,
Cristina MANDRAVEL,
Cristiana-Lucia TEODOREANU and
Ioana STĂNCULESCU**

Comparison of QSPR properties for cholesterol and cholestanol oligomeric association forms

Rev. Roum. Chim., 2006, 51(2), 135-140

Key words: cholesterol, cholestanol, oligomers, QSPR properties, energy of interaction.

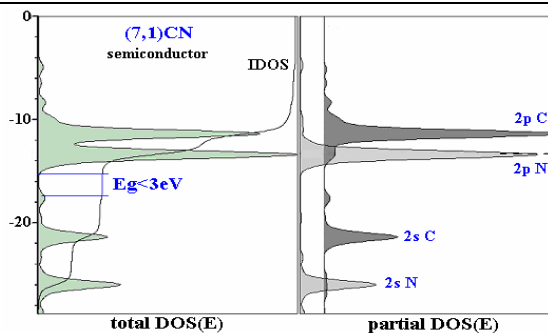


**Simona RADA and
Ioan SILAGHI-DUMITRESCU**

Structural, energetic and electronic characterization of the chiral carbon-nitride nanotubes

Rev. Roum. Chim., 2006, 51(2), 141-145

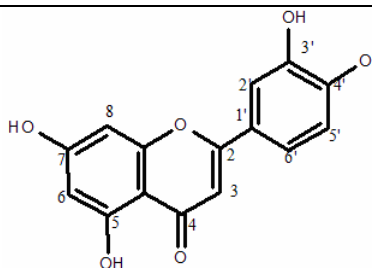
Key words: carbon-nitrogen nanotubes, semiempirical calculations, electronic properties, electronic nanodevices.



**Oana Laura RADU, Sylvie ARMAND,
François LENOUEVEL, Huges DRIGUEZ,
Anișoara CÎMPEAN et
Dana IORDĂCHESCU**

La glycosylation de la lutéoline, en milieux de solvants organiques, par l'action catalytique de la cyclodextrine glycosyltransférase de *Bacillus circulans*

Luteolin glycosylation in organic solvents under catalytic action of cyclodextrin glycosyltransferase from *Bacillus circulans*



Key words: lutéoline, cyclodextrines, cyclodextrine glycosyltransférase, *Bacillus*

Vasilica DIMA, Petru BALTĂ and
Roxana ȘERBAN

Coloured sulphate glasses

