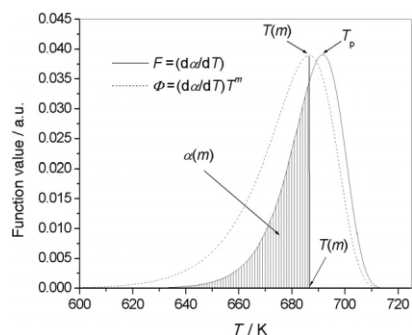


ORIGINAL SCIENTIFIC PAPERS

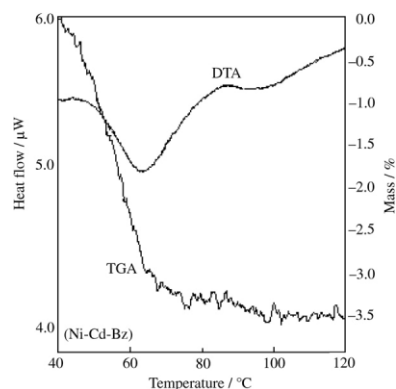
CCA-3131

**On the Temperature Corresponding to $\alpha = 0.632$
in Non-isothermal JMA Kinetics**

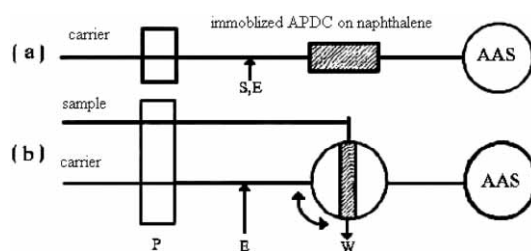
Aleksandar Bezjak, Stanislav Kurajica, and Juraj Šipušić

Croat. Chem. Acta 80 (2007) 1–8

CCA-3132

**FT-IR Spectroscopic Study
of the Hofmann- T_d -type Clathrates:
 $\text{Ni}(1,9\text{-diaminononane})\text{M}'(\text{CN})_4 \cdot 2\text{G}$
($\text{M}' = \text{Cd}$ or Hg , $\text{G} = \text{Benzene}$,
1,2-Dichlorobenzene or 1,4-Dichlorobenzene)**Zeki Kartal, Cemal Parlak, Şükrü Şentürk,
Meryem Turkey Aytakin, and Mustafa Şenyel*Croat. Chem. Acta* 80 (2007) 9–15

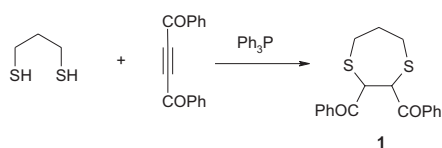
CCA-3133

**Determination of Lead and Cadmium
in Different Samples by Flow Injection Atomic
Absorption Spectrometry Incorporating
a Microcolumn of Immobilized Ammonium
Pyrrolidine Dithiocarbamate on Microcrystalline
Naphthalene**Shayessteh Dadfarnia, Mostafa Talebi,
Ali Mohammad Haji Shabani, and Zahra Amani Beni*Croat. Chem. Acta* 80 (2007) 17–23

CCA-3134

**Diastereoselective Synthesis and Conformation
of *trans*-2,3-Dibenzoyl-1,4-dithiacycloheptane**

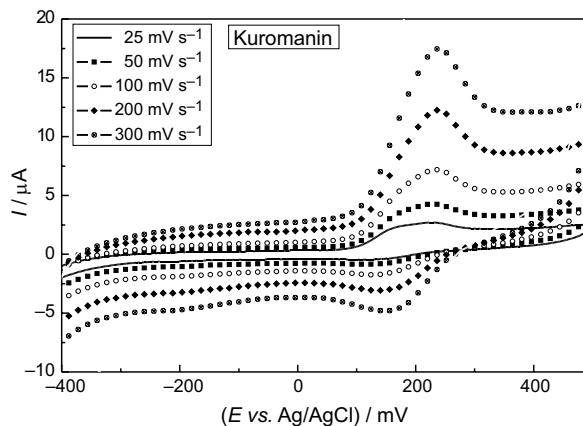
Issa Yavari, Rahebeh Amiri, and Mina Haghdadi

*Croat. Chem. Acta* 80 (2007) 25–28

CCA-3135

Electrochemical and Antioxidant Properties of Anthocyanins and Anthocyanidins

Andréia A. de Lima, Eliana M. Sussuchi,
and Wagner F. De Giovanni

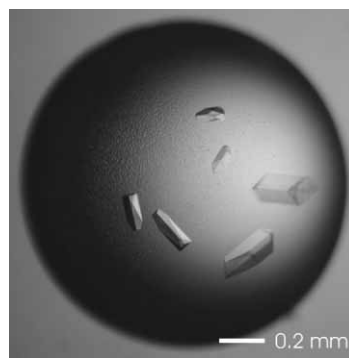


Croat. Chem. Acta **80** (2007) 29–34

CCA-3136

Preliminary Crystallographic Study of *Streptomyces coelicolor* Single-stranded DNA-binding Protein

Zoran Štefanić, Dušica Vujaklija, Luka Andrišić,
Goran Mikleušević, Miha Andrejašič,
Dušan Turk, and Marija Luić

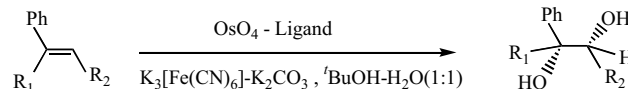


Croat. Chem. Acta **80** (2007) 35–39

CCA-3137

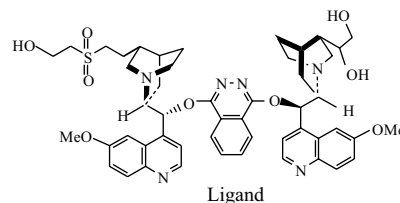
Catalytic Asymmetric Dihydroxylation of Olefins Using a Recoverable and Reusable Ligand

Qiao Feng Wang, Xiao Li Sun, Sheng Yong Zhang,
Xiang Yang Qin, and Yan Zhao



$R_1 = \text{CH}_3, R_2 = \text{H};$

$R_1 = \text{H}, R_2 = \text{Ph, H, CH}_3, \text{COOEt, COO}^i\text{Pr}$

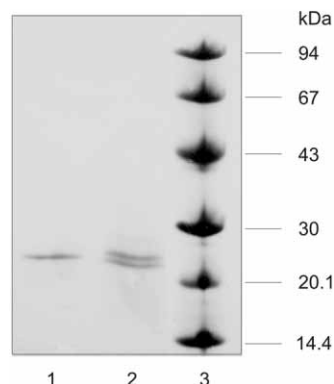


Croat. Chem. Acta **80** (2007) 41–44

CCA-3138

Purification and Characterization of Two Cysteine Proteinases from Potato Leaves and the Mode of Their Inhibition with Endogenous Inhibitors

Tatjana Popović and Jože Brzin



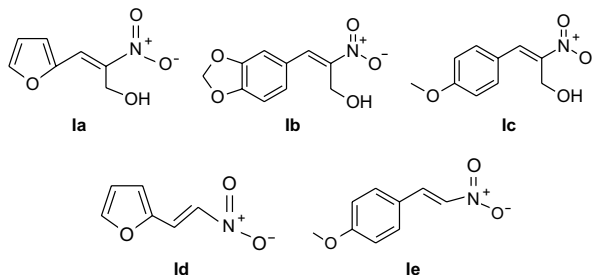
Croat. Chem. Acta **80** (2007) 45–52

CCA-3139

The Electrochemical Behaviour of Novel Multifunctional α -Hydroxymethylated Nitroalkenes at Glassy Carbon and Wax Impregnated Carbon Paste Electrodes

Ronald J. Mascarenhas, Irishi N. Namboothiri,
Bailure S. Sherigara, and Kittappa M. Mahadevan

Croat. Chem. Acta **80** (2007) 53–59

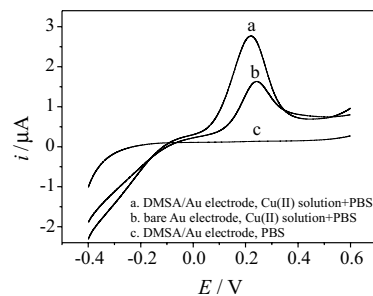


CCA-3140

Application of *meso*-2,3-Dimercaptosuccinic Acid Self-assembled Gold Electrode for Voltammetric Determination of Copper

Pei Dao Ding, Ling Mei Niu, Hong Qun Luo,
and Nian Bing Li

Croat. Chem. Acta **80** (2007) 61–66

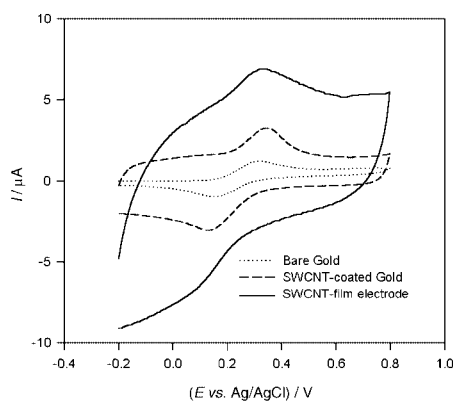


CCA-3141

Electrochemical Behavior of SWCNT-TPLF Electrode Compared to SWCNT-coated GCE and GE Electrodes

M. Muzibur Rahman and Il C. Jeon

Croat. Chem. Acta **80** (2007) 67–74



CCA-3142

The Hosoya-Wiener Polynomial of Weighted Trees

Blaž Zmazek and Janez Žerovnik

Croat. Chem. Acta **80** (2007) 75–80

$$W(T_v, w, \lambda; x) = \sum_{u \in V(T_v)} W_u(x) =$$

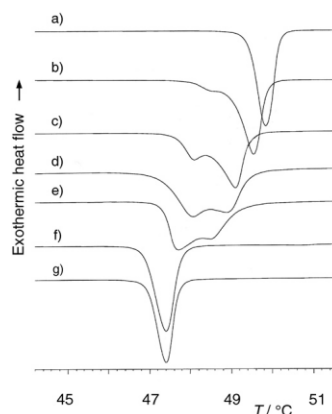
$$W_v(x) + \sum_{v_i} W(T_{v_i}, w, \lambda; x)$$

CCA-3143

A DSC and Raman Study of the Interaction between Tricresyl Phosphates (TCP) and Phospholipid Liposomes

Sergio Bonora, Andrea Trincherò,
Armida Torreggiani, and Maurizio Tamba

Croat. Chem. Acta **80** (2007) 81–89

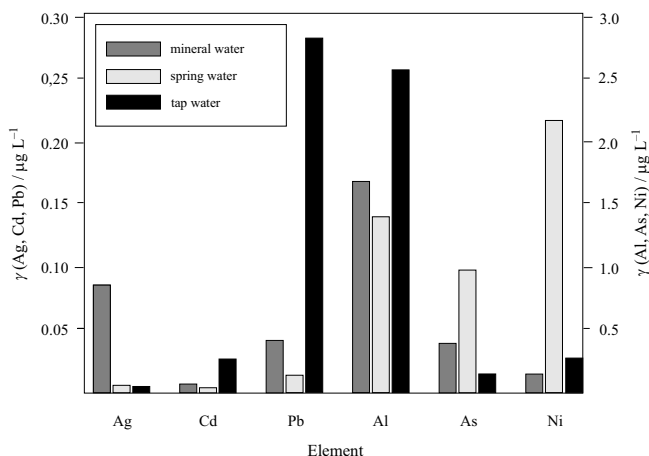


CCA-3144

Determination of Arsenic and Other Trace Elements in Bottled Waters by High Resolution Inductively Coupled Plasma Mass Spectrometry

Željka Fiket, Vibor Roje, Nevenka Mikac, and Goran Kniewald

Croat. Chem. Acta **80** (2007) 91–100

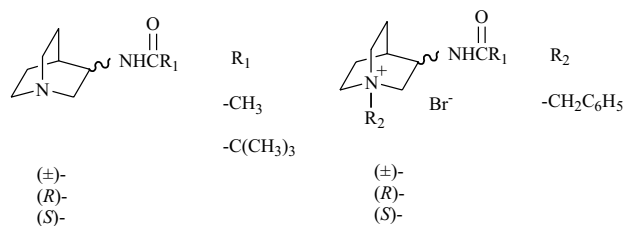


CCA-3145

3-Amidoquinuclidine Derivatives: Synthesis and Interaction with Butyrylcholinesterase

Renata Odžak, Ines Primožič, and Srđanka Tomić

Croat. Chem. Acta **80** (2007) 101–107



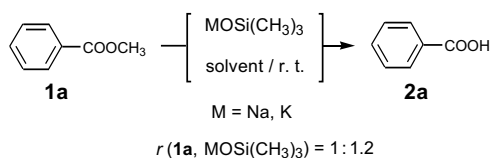
Butyrylcholinesterase EC 3.1.1.8

CCA-3146

Scope and Limitations of Sodium and Potassium Trimethylsilanolate as Reagents for Conversion of Esters to Carboxylic Acids

Marija Lovrić, Ivica Capanec, Mladen Litvić, Anamarija Bartolinčić, and Vladimir Vinković

Croat. Chem. Acta **80** (2007) 109–115

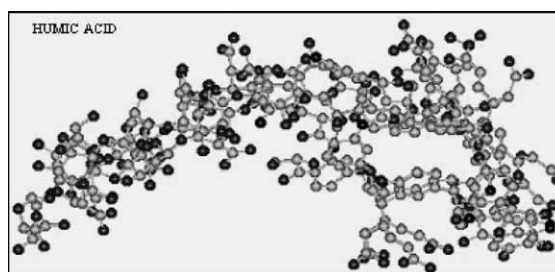


CCA-3147

Rapid Extraction of Human DNA Containing Humic Acid

Davorka Sutlović, Marija Definis Gojanović, and Šimun Anđelinović

Croat. Chem. Acta **80** (2007) 117–120

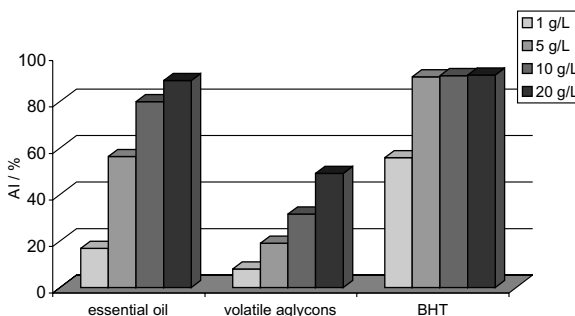


CCA-3148

Chemical Composition and Antioxidant Activity of Free Volatile Aglycones from Laurel (*Laurus nobilis* L.) Compared to Its Essential Oil

Olivera Politeo, Mila Jukić, and Mladen Miloš

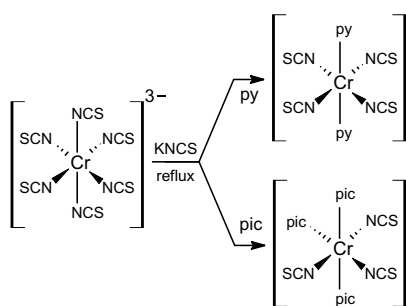
Croat. Chem. Acta **80** (2007) 121–126



CCA-3149

Preparation and Crystal Structures of *trans*-K[Cr(NCS)₄py₂] · 4py and *mer*-[Cr(NCS)₃(γ -pic)₃] · 4/3(γ -pic)

Nives Kitanovski, Amalija Golobič, and Boris Čeh

Croat. Chem. Acta **80** (2007) 127–134

CCA-3150

Chemical Composition of the Essential Oil from Aerial Parts of *Stachys palustris* L. (Lamiaceae) Growing Wild in Southern Italy

Felice Senatore, Carmen Formisano, Daniela Rigano, Franco Piozzi, and Sergio Rosselli

Croat. Chem. Acta **80** (2007) 135–139

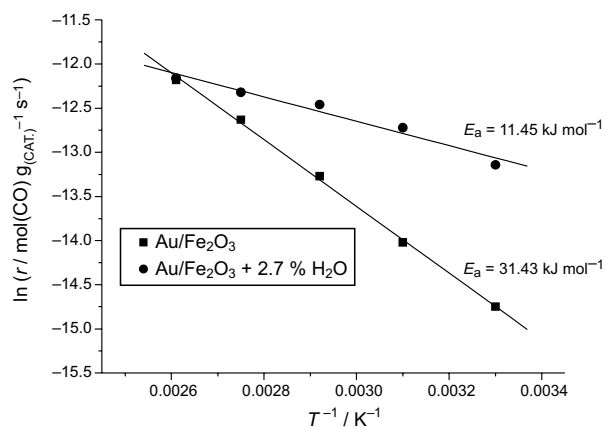
The essential oil from *S. palustris* – a complex mixture of 92 constituents

PRELIMINARY COMMUNICATION

CCA-3151

Influence of Water Vapour on Low-temperature CO Oxidation over Au/Fe₂O₃ Catalyst

Goran Šmit, Károly Lázár, and Menno W. J. Crajé

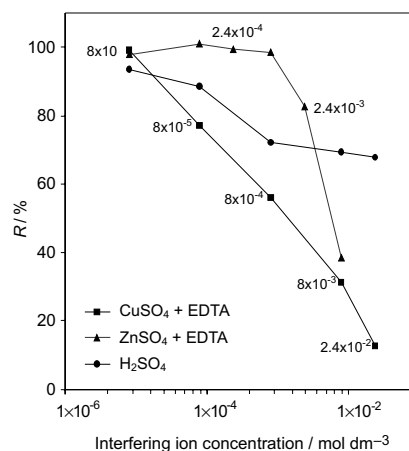
Croat. Chem. Acta **80** (2007) 141–145

SHORT COMMUNICATION

CCA-3152

Determination of Silver Traces in Pure Metallic Copper and Zinc by a Catalytic Photometric Method

Grzegorz D. Sulka and Marian Jaskula

Croat. Chem. Acta **80** (2007) 147–150

APPENDIX

BOOK REVIEW

Nenad Trinajstić

A1

INSTRUCTIONS TO AUTHORS

A3–A6

**MINUTES OF THE ANNUAL ASSEMBLY
OF THE CROATIAN CHEMICAL SOCIETY (in Croatian)**

A7–A18

ANNOUNCEMENTS AND ADVERTISEMENTSA19–A22
