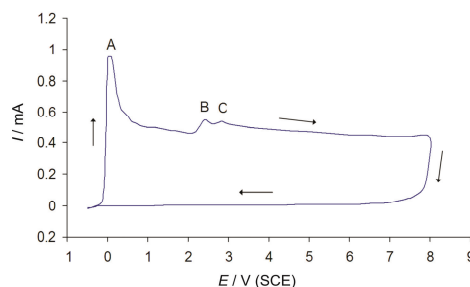

ORIGINAL SCIENTIFIC ARTICLES

CCA-3400

Photoelectrochemical Study of Anodically Formed Oxide Films on Niobium Surfaces

Irena Mickova

Croat. Chem. Acta **83** (2010) 113–120.

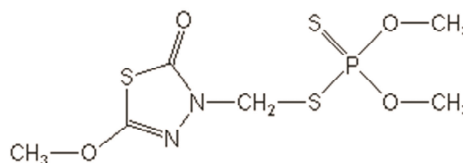


CCA-3401

Electrochemical Study of the Pesticide Methidathion at a Mercury Electrode under Cathodic Stripping Mode

Valentin Mirčeski, Dariusz Guziejewski, Sławomira Skrzypek, and Witold Ciesielski

Croat. Chem. Acta **83** (2010) 121–126.

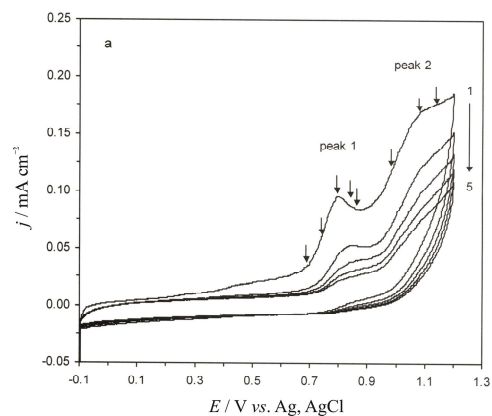


CCA-3402

The Process of Electrooxidation of Quercetin 3,4'-di-O-β-Glucopyranoside at Glassy Carbon Electrode

Boguslaw Pierozynski and Danuta Zielinska

Croat. Chem. Acta **83** (2010) 127–133.

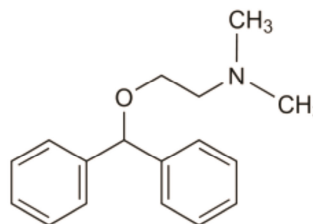


CCA-3403

Trace Detection of Diphenhydramine by Adsorption on a Microelectrode at Flow Injection System by Fast Fourier transform Continuous Cyclic Voltammetry

P. Norouzi, M. R. Ganjali, E. Nouryousefi, S. J. Shahtaheri, and R. Dinarvand,

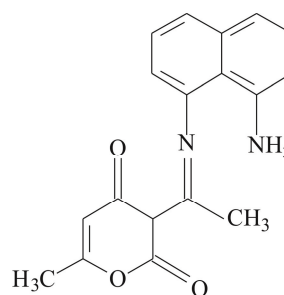
Croat. Chem. Acta **83** (2010) 135–142.



CCA-3404

Composite Films of Metal Hexacyanoferrate and Poly (1,8-diaminonaphthalene) Derivatives: Electrosynthesis and Properties

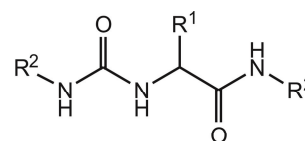
A. A. Hathoot, D. Sherif, and M. Abdel-Azzem

Croat. Chem. Acta **83** (2010) 143–149.

CCA-3405

Novel Ureidoamides Derived From Amino Acids: Synthesis and Preliminary Biological Screening

Ivana Perković, Ivan Butula, Zrinka Rajić, Dimitra Hadjipavlou-Litina, Eleni Pontiki, and Branka Zorc

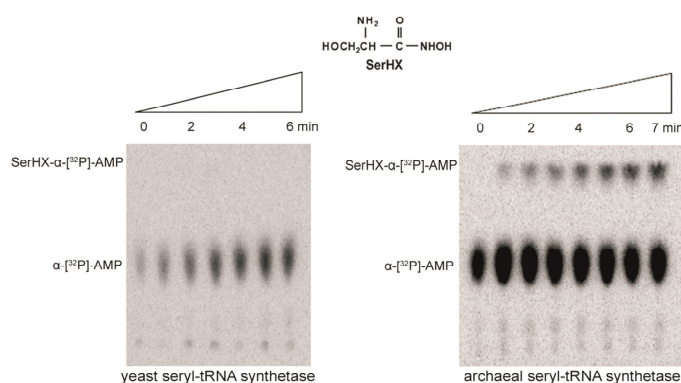
Croat. Chem. Acta **83** (2010) 151–161.**4a-o**

$R^1 = \text{CH}_3, \text{CH}(\text{CH}_3)_2, \text{CH}_2\text{CH}(\text{CH}_3)_2, \text{Ph}, \text{Bn}$
 $R^2 = (\text{CH}_2)_2\text{OH}, (\text{CH}_2)_3\text{OH}, (\text{CH}_2)_5\text{OH}$

CCA-3406

Efficiently Activated Serine Analogue is Not Transferred to Yeast tRNA^{Ser}

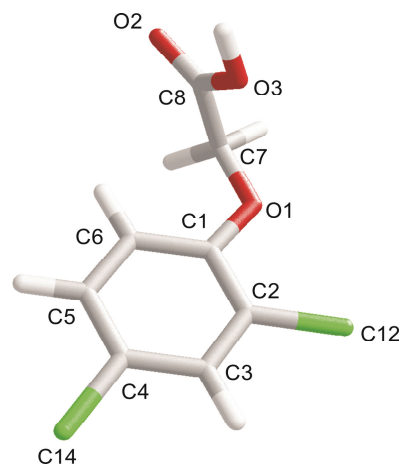
Ita Gruić-Sovulj, Morana Dulić, Jelena Jarić, Nevena Cvetešić, Kristina Majsec, and Ivana Weygand-Durašević

Croat. Chem. Acta **83** (2010) 163–169.

CCA-3407

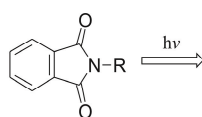
Theoretical and Experimental Approach for the Study of 2,4-Dichlorophenoxyacetic acid Photodegradation: C-O versus C-Cl Bond Dissociation Energies in the Gas Phase and Aqueous Medium

Jean-Jacques Aaron, Sandrine Irace Guigand, Ljupco Pejov, Snežana Efremova-Aaron, and Zoran Zdravkovski

Croat. Chem. Acta **83** (2010) 171–177.*Croat. Chem. Acta* **83** (2010) CCIII.

CCA-3408

Photochemistry of *N*-alkyl and *N*-aryl substituted phthalimides: H-Abstractions, Single Electron Transfer and Cycloadditions



H-abstraction
 photocycloaddition
 single electron transfer
 ⇒ aza-heterocyclic synthons for further synthesis

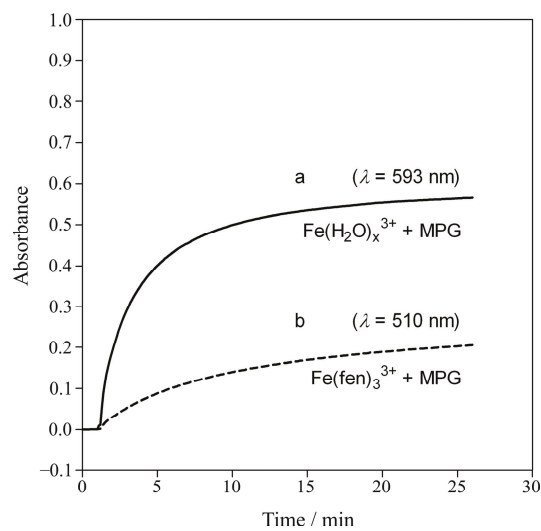
Margareta Horvat, Kata Mlinarić-Majerski, and Nikola Basarić

Croat. Chem. Acta **83** (2010) 179–188.

CCA-3409

Novel Kinetic Spectrophotometric Method for Determination of Tiopronin {N-(2-Mercaptopropionyl)-glycine}

Lea Kukoc-Modun and Njegomir Radić

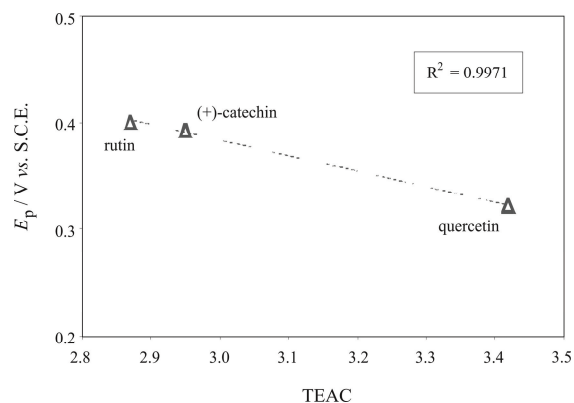


Croat. Chem. Acta **83** (2010) 189–195.

CCA-3410

Electrochemical and Antioxidant Properties of (+)-Catechin, Quercetin and Rutin

Martina Medvidović-Kosanović,* Marijan Šeruga, Lidija Jakobek, and Ivana Novak

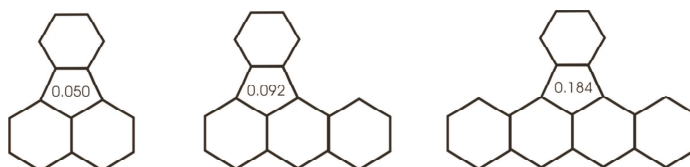


Croat. Chem. Acta **83** (2010) 197–207.

CCA-3411

Ring Currents and the PCP Rule

A. T. Balaban, T. K. Dickens, I. Gutman, and R. B. Mallion



Croat. Chem. Acta **83** (2010) 209–215.

CCA-3412

Elemental Status in Individuals from Naklice Burial Site (Southern Croatia): Mediaeval Diet Reconstruction

Davorka Sutlović, Angela Stipišić, Jadranka Marušić, Jerka Pavlov, Maja Veršić, Marija Definis-Gojanović, Dijana Gugić, and Šimun Anđelinović



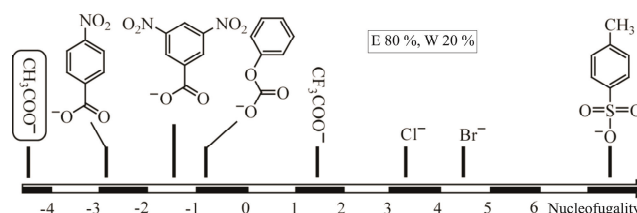
Croat. Chem. Acta **83** (2010) 217–221.

NOTES

CCA-3413

Reactivity of Acetates in Aqueous Alcohols

Bernard Denegri and Olga Kronja



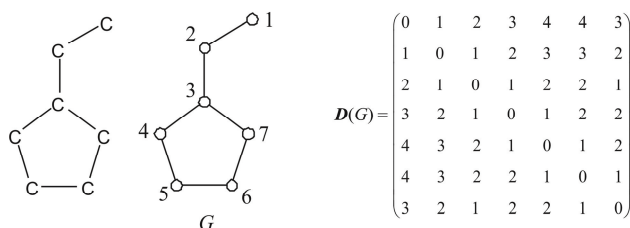
Croat. Chem. Acta **83** (2010) 223–226.

REVIEW

CCA-3414

Mathematical Properties of Molecular Descriptors Based on Distances

Bo Zhou and Nenad Trinajstić



Croat. Chem. Acta **83** (2010) 227–242.

APPENDIX

BOOK REVIEW

Medicinska kemija [Medicinal Chemistry] by Mladen Mintas and Silvana Raić-Malić

CCVII

Nenad Trinajstić

OBITUARY

Aleksandar Bezjak (1928 – 2010)

CCIX–CCX