

CROATICA CHEMICA ACTA (film)

Croat. Chem. Acta Vol. **74** No. 3

V–X, 479–742, A41–A44, C9–C10 (2001)

Zagreb, August, 2001

CONTENTS

Foreword	. . . Leo Klasinc and Matko Orhanović	V
Smiljko Ašperger – <i>Curriculum vitae</i>	. . . Nenad Trinajstić	VII–X
Introduction of the Surface Complexation Model into the Theory of Colloid Stability	. . . Nikola Kallay and Suzana Žalac	479–497
Linkage Isomerization Reactions	. . . Henrique E. Toma and Reginaldo C. Rocha	499–528
Structure and Reactivity of $(\text{PPh}_4)_3[\text{W}(\text{CN})_5\text{O}] \cdot 7\text{H}_2\text{O}$. Kinetics and Mechanism of the Reaction with Molecular Oxygen	. . . Janusz Szklarzewicz, Dariusz Matoga, Alina Samotus, John Burgess, John Fawcett, and David R. Russell	529–544
Kinetics of Base Hydrolysis of Low-spin Iron(II)-diimine Complexes in Methanol–Water Mixtures	. . . Ezz-Eldin A. Abu Gharib, Nrinder Gosal, and John Burgess	545–558
Spontaneous Hydrolyses in Sulfobetaine Micelles. Dependence of Micellar Charge Effects Upon Mechanism	. . . Clifford A. Bunton, Nicholas D. Gillitt, Marutirao M. Mhala, and John R. Moffatt	559–573
Heavy Atom Isotope Effects in Elimination Reactions. An <i>ab initio</i> Study	. . . William H. Saunders Jr.	575–591
Mechanism of Photoredox Reactions of Iron(III) Complexes Containing Salen-type Ligands	. . . Jozef Šima	593–600
Effect of Some Macrocyclic Ligands on the Rate of Reduction of Perchlorate Ion by Titanium(III)	. . . Giulio A. Amadei and Joseph E. Earley, Sr.	601–606
Activation Volumes for Peroxodisulphate Oxidation of Low-spin Iron(II) Complexes in Aqueous Salt Solutions	. . . Ján Benko, John Burgess, Pilar López Cornejo, and Olga Vollárová	607–620
Estimation of Stability Constants of Mixed Amino Acid Complexes with Copper(II) from Topological Indices	. . . Sonja Nikolić and Nenad Raos	621–631

(Continued on inside back cover)

(Continued from outside back cover)

Effects of Halide Ions and Carbon Monoxide on the Reactions of Iron(III) with Alkyl Radicals . . . Andreja Bakač	633–640
Equilibria in Complexes of N-Heterocycles. Part 50. ¹ The Formation and Properties in Solution of the 1:1 Adducts of Bis(2,2'-bipyridine)platinum(II) and Related Ions with Hydroxide . . . Armada Maria Formigao Gameiro, Robert D. Gillard, Norman H. Rees, Jurgen Schulte, and Abdurrahman Sengül	641–665
Chemistry of 1,3-Dioxepins. XV. Syntheses and Structure of Nitroaryl Analogues of Antihyperglycaemic <i>N</i> -Sulphonyl-1a,2,6,6a-tetrahydro-1 <i>H</i> ,4 <i>H</i> -[1,3]-dioxepino[5,6- <i>b</i>]azirines . . . Marina Orešić, Darko Filić, Biserka Prugovečki, Mladen Vinković, and Miljenko Dumić	667–682
On Complexity of Transitive Graphs Representing Degenerate Rearrangements . . . Milan Randić	683–705
Diastereoselective Aldol Reaction of 7-Bromo-5-pyrido-1,4-benzodiazepin-2-one; Relative and Absolute Configuration of All Stereoisomers . . . Maja Majerić-Elenkov, Dinko Žiher, Aleksandar Višnjevac, Zdenko Hameršak, Biserka Kojić-Prodić, and Vitomir Šunjić	707–724
Gas Phase Kinetics of Metal Ion Ligation by Pyrene . . . Tomislav Cvitaš, Saša Kazazić, Snježana Kazazić, Nenad Kezele, Leo Klasinc, Dunja Srzić, and Herbert Budzikiewicz	725–733
Kinetics and Mechanism of the Reaction between Mercury(II) and a Series of Macrocyclic Organochromium Cations . . . Vjera Butković, Andreja Bakač, and James H. Espenson	735–741
Book Review	A41–A43
Announcements and Advertisements	C9