

CROATICA
CHEMICA ACTA

Croat. Chem. Acta Vol. 58 No. 3 245—348 A31—A43 C7—C11 (1985)

Zagreb, 31. listopada 1985

SADRŽAJ

Opća i teorijska kemija

- Učinak propanola na kontakti kut u sustavu grafit-*n*-ugljikovodikov film—zračni mjehurić otopina . . . **B. Jańczuk** 245—254
- Kinetički aspekti procesa raščinjavanja gipsita u vodenim otopinama natrij-hidroksida . . . **J. Perić, R. Krstulović i T. Ferić** 255—264
- Ternarni sustav $\text{Cu}_2\text{HIO}_6 \cdot 2\text{H}_2\text{O} - \text{H}_5\text{IO}_6 - \text{H}_2\text{O}$ pri 303 K . . . **M. A. Nabar i V. D. Athawale** 265—276
- Kompleksi oksocirkonija(IV) s nonametilimidodifosforamidom . . . **R. K. Agarwal i S. C. Rastogi** 277—281
- Prilog poznavanju peroksida cinka i kadmija . . . **M. Pušelj, Z. Ban i J. Morvaj** 283—288
- Tuttonove soli . . . **J. Slivnik, A. Rahten in D. Gantar** 289—294
- Teorijski proračuni termodinamičkih parametara i kinetike dimera molekule vode kao i njegova doprinosa drugomu virijalnom koeficijentu vodene pare . . . **Z. Slanina** 295—304
- Standardni potencijali elektrode srebro-srebro bromid i termodinamička svojstva bromovodične kiseline u 90 i 95% -tnoj smjesi 2-metil-1-propanol-voda . . . **I. Tominić i I. Mekjavić** 305—314

Kemijska sinteza

- Priprava i reakcije 3-aril-5-ferocenil-5-oksovalerijanskih kiselina . . . **V. Rapić i J. Lasinger** 315—320
- Priprava hiralnog diola (2*R*,3*R*)-2-hidroksimetil-3-hidroksi-tetrahidropirana iz *D*-glukoze reduktivnom pregradnjom pseudo-*D*-glukal triacetata . . . **I. Habuš i V. Sunjić** 321—330
- Sinteza 2-metilindol-3-*S*-kiselinskih derivata . . . **R. Bennett, Jr., T. Shah, S. Quashie i E. S. Mooberry** 331—336
- Mješoviti anhidridi penicilinske i cefalosporinske kiseline s *N*-acilkarbaminskom kiselinom . . . **M. Kovačević, Jure J. Herak i B. Gašpert** 337—347

Prilog

- Hrvatsko kemijsko društvo. Redovita Godišnja skupština A31—A43
- Obavijesti C7—C11

CROATICA
CHEMICA ACTA

Croat. Chem. Acta Vol. 58 No. 3 245—348 A31—A43 C7—C11 (1985)

Zagreb, October 31, 1985

CONTENTS

General and Theoretical Chemistry

- The Effect of Propanol on the Contact Angle in the System Graphite/
n-Alkane Film-Air Bubble Solution . . . **B. Jańczuk** 245—254
- Kinetic Aspect of the Gibbsite Digestion Process in Aqueous Solution of
Sodium Hydroxide . . . **J. Perić, R. Krstulović, and T. Ferić** 255—264
- The Ternary System $\text{Cu}_2\text{HIO}_6 \cdot 2\text{H}_2\text{O} - \text{H}_5\text{IO}_6 - \text{H}_2\text{O}$ at 303 K
. . . **M. A. Nabar and V. D. Athawale** 265—276
- Oxozirconium(IV) Complexes of Nonamethylimidodiphosphoramidate
. . . **R. K. Agarwal and S. C. Rastogi** 277—281
- On the Peroxydes of Zinc and Cadmium
. . . **M. Pušelj, Z. Ban, and J. Morvaj** 283—288
- Study of Tutton's Salts $(\text{NH}_4)_2\text{M}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ with Mixed Metal Ions in
the Structure . . . **J. Slivnik, A. Rahten, and D. Gantar** 289—294
- On Theoretical Evaluation of Equilibrium Thermodynamics and Kinetics
of the Water Dimer and of the Second Virial Coefficient of Steam
. . . **Z. Slanina** 295—304
- Standard Potentials of Silver-Silver Bromide Electrode and Thermo-
dynamic Quantities of Hydrobromic Acid in 90 and 95 Mass per
Cent 2-Methyl-1-propanol-Water Mixtures
. . . **I. Tominić and I. Mekjavić** 305—314

Chemical Synthesis

- Ferrocene Compounds. XIV. Synthesis and Reactions of 3-Aryl-5-ferro-
ceny-5-oxovaleric Acids . . . **V. Rapić and J. Lasinger** 315—320
- Preparation of the Chiral Diol (2*R*,3*R*)-2-Hydroxymethyl-3-hydroxy-
-tetrahydropyran from *D*-Glucose *via* Reductive Rearrangement of
Pseudo-*D*-glucal Triacetate . . . **I. Habuš and V. Šunjić** 321—330
- Synthesis and C-13 NMR Spectral Assignments of 2-Methylindole-3-*S*-
-Acid Derivatives
. . . **R. Bennett, Jr., T. Shah, S. Quashie, and E. S. Mooberry** 331—336
- Mixed Anhydrides of Penicillinic and Cephalosporinic Acids with *N*-Acyl
Carbamic Acid
. . . **M. Kovačević, J. J. Herak, and B. Gašpert** 337—347

Appendix

- Minutes of the Meeting of the Croatian Chemical Society (in Croatian) A31—A43
Announcement C7—C11