

P 64

POLISH JOURNAL OF CHEMISTRY

Volume 74 Number 9 September 2000

Editor-in-chief **B. BARANOWSKI**

Editors **Z. GALUS**
 K. WOJCIECHOWSKI

Editorial Board

E. Borowski (Gdańsk)
E. Dutkiewicz (Poznań)
B. Grzybowska-Świerkosz (Kraków)
M. Mąkosza (Warszawa)
M. Mikołajczyk (Łódź)
A. Narębska (Toruń)
I.Z. Siemion (Wrocław)
L. Sobczyk (Wrocław)

International Advisory Board

N. M. Bikales (Washington, DC)
P. Huyskens (Heverlee)
J.-M. Lehn (Strasbourg)
R. Parsons (Southampton)
I. Prigogine (Brussels)
M. Szwarc (San Diego, CA)
S. Trasatti (Milan)
H.C. Van der Plas (Wageningen)

POLISH CHEMICAL SOCIETY

<http://rcin.org.pl>

POLISH JOURNAL OF CHEMISTRY

(formerly *Roczniki Chemii* 1921–1977)

Published by the Polish Chemical Society

Home Page <http://malina.ichf.edu.pl/pjch>

SCOPE

Contributions from all fields of pure chemistry (physical, theoretical, inorganic, organic, bioorganic, medicinal, macromolecular and supramolecular, and molecular modelling) may be submitted.

TYPES OF CONTRIBUTIONS

- review articles
- original papers
- communications
- book reviews

EDITOR-IN-CHIEF

B. Baranowski, *Institute of Physical Chemistry*, Polish Academy of Sciences, Warsaw

EDITORS

Z. Galus, *Department of Chemistry, Warsaw University, Warsaw*

S. Jarosz, *Institute of Organic Chemistry, Polish Acad. Sci., Warsaw*

K. Wojciechowski, *Institute of Organic Chemistry, Polish Acad. Sci., Warsaw*

Authors are requested to submit two copies of their manuscripts to the Editor-in-Chief on his address:

*Institute of Physical Chemistry,
Polish Academy of Sciences,
ul. Kasprzaka 44/52,
01-224 Warsaw, Poland.
e-mail SEKN@ICHF.EDU.PL*

Detailed instruction to contributors is published in the first issue 2000 and can be found on Journal's Home Page.

FREQUENCY

Twelve issues per year.

SUBSCRIPTION INFORMATION

All correspondence should be sent to the Editor-in-Chief.

DTP: *Publishing Section of the Institute of Physical Chemistry, Polish Academy of Sciences*
ul. Kasprzaka 44/52, 01-224 Warsaw, Poland; Tel. 6323221/3204, Fax (22) 6325276
dtp@ichf.edu.pl; <http://malina.ichf.edu.pl/sw>

AUTHOR INDEX

- Akinchan N.T., 1221
Akinchan R., 1221
Banaszek A., 1275
Barysz M., 1329
Bełżecki Cz., 1243
Błażejowski J., 1299
Boczoń Wł., 1249
Chmielewski M., 1243
Daniłov V.I., 1311
Deng L.Y., 1211
Drożdżewski P.M., 1221
Głowacka J., 1341
Goslar J., 1321
Jasiczak J., 1259
Jońska-Muteba E., 1259
Jóźwiak L., 1299
Kang B.S., 1211
Klenina O.V., 1299
Koval'chuk E.P., 1299
Kovalyshyn Ya.S., 1299
Kozioł., 1249
Leś A., 1311
Liu H.Q., 1211
Lu Z.L., 1211
Malczewska A., 1321
Norkus E., 1231
Pauliukaite R., 1231
Przystajko W., 1321
Raczyńska E.D., 1283
Rak J., 1299
Skupiński W., 1349
Su C.Y., 1211
Szczeppek W.J., 1341
Szewczyk K., 1275
Tong Y.X., 1211
Wojciechowska M., 1321
Wrona P.K., 1341
Xiao W., 1211
Zalewski R.I., 1259
Zawadzki J., 1349
Zieliński M., 1321



4000000097800

This journal is supported by

CONTENTS

INORGANIC CHEMISTRY

- 1211 **4,5-Diazafluorene-9-one Acylhydrazones and Their L Structure of Hydrated 4,5-Diazafluorene-9-one 3-Met. Extensive Hydrogen Bonds and Aromatic Ring $\pi\cdots\pi$ Stacking Interactions** – Xiao W., Lu Z.L., Deng L.Y., Su C.Y., Tong Y.X., Liu H.Q. and Kang B.S.
- 1221 **Synthesis and Spectroscopic Studies on Mercury(II) Complexes of Thiosemicarbazones Derived from Fluorenone and *p*-Tolualdehyde** — Akinchan N.T., Drożdżewski P.M. and Akinchan R.
- 1231 **Polarographic and Spectrophotometric Investigation of Cu(II) Complexation in Alkaline and Strongly Alkaline Solutions of Complexones** — Norkus E. and Pauliukaite R.

ORGANIC CHEMISTRY

- 1243 **C(4)–C(5) Pyranoid Ring Opening in 2-C:1-*N*-Carbonyl-2-deoxy- α -D-glucopyranosylamine** — Bełżecki Cz. and Chmielewski M.
- 1249 **Synthesis and Structure of 17 β -Isopropylupanine N-Oxide and Its Perchlorate Salt** — Boczoń Wł. and Kozioł B.
- 1259 **Structure-Activity Relationship of Sweet Molecules: Phenylurea Derivatives** — Jasiczak J., Jońska-Muteba E. and Zalcwski R.I.
- 1275 **Aldono-1,5-lactones: Preparation, Nucleophilic Substitution and Deoxygenation Reactions** — Szcwczyk K. and Banaszek A.

PHYSICAL CHEMISTRY

- 1283 **Tautomeric Preferences in Isolated 2- and 4-Hydroxypyridines: Theoretical (AM1) Analysis of Structural (Internal) Effects** — Raczyńska E.D.
- 1299 **Electrochemical Synthesis, Doping and Possibilities of Application of Polyacetylene** — Koval'chuk E.P., Kovalyshyn Ya.S., Klenina O.V., Jóźwiak L., Rak J. and Błażejowski J.
- 1311 **A Theoretical Study of the Cytosine Photohydrate Tautomerism and a Possible Mechanism of UV-Induced Mutagenesis** — Danilov V.I. and Leś A.
- 1321 **Selective Catalytic Reduction of NO by C₃H₆ over Cu-Mn/MgF₂ Catalysts** — Wojciechowska M., Zieliński M., Goslar J., Malczewska A. and Przystajko W.
- 1329 **The Change of Picture in Approximate Two-Component Relativistic Theories: Expectation Values of r , r^{-1} and r^2** — Barysz M.
- 1341 **Application of 4-Hydroxy-, 4-Oxo-, and 4-Hydroxyimino Derivatives of Stable 2,2,6,6-Tetramethylpiperidine N-Oxyl Radical for the Measurements of Lewis Acidity of Solvents** — Głowacka J., Szczepek W.J. and Wrona P.K.
- 1349 **Support Composition and Annealing Temperature of NH₄ReO₄/Al₂O₃ – SiO₂ System Effect Rhenium Heterogeneous Metathesis Catalyst Properties** — Zawadzki J. and Skupiński W.