

Journal of Chemical Research, Issue 3, 1992

Other papers in the subject areas covered by *J. Chem. Soc.* are published in synopsis/microform format in *J. Chem. Research*. For the benefit of readers of *J. Chem. Soc.*, the contents list of *J. Chem. Research (S)*, Issue 3, is reproduced below.

- 85 The Observation of 1,5-Asymmetric Induction in the Reaction of a Chelated Lithiated Dithiane with an Aldehyde **Paul R. Jenkins and Mohamed M. R. Selim**
(M 0701)
- 86 Diastereo- and Enantio-selective Cyclopentaannulations from Diacetyl Monoimines and Nitroalkenes **Fulvia Felluga, Patrizia Nitti, Giuliana Pitacco and Ennio Valentin**
(M 0709)
- 88 A Study of the Stereochemistry of SA3443 [(4*R*)-7,7-Dimethyl-6-oxo-1,2,5-dithiazocane-4-carboxylic Acid] by Molecular Mechanics, X-Ray Crystallography and Nuclear Magnetic Resonance Spectrometry; Conformations of an Eight-Membered Cyclic Disulfide possessing a *trans* Amide Bond **Ken-ichi Fujimura, Susumu Ito, Hiroshi Suhara and Yoichi Kawashima**
(M 0735)
- 90 Kinetics and Mechanism of the Aminolysis of *S*-Phenyl Thiobenzoates
(M 0769) **Ikchoon Lee, Chang Sub Shim and Hai Whang Lee**
- 92 Solvation Studies using E_T Polarity Values. The Kinetics of Solvolysis of *tert*-Butyl Chloride and Bromide in Mono- and Di-alcohol-Water Mixtures **Lidia M. P. C. Albuquerque, Maria Cristina M. Ventura and Maria Luisa C. J. Moita**
(M 0801)
- 94 Chain-length Dependence of the Oxidation of α,ω -Diamines by Diamine Oxidase **Angela M. Equi, Alan Cooper and David J. Robins**
(—)
- 96 Substituent-induced Proton Chemical Shifts for 1-Aryl-2,2-dibromocyclopropanes: Observation of an Intramolecular Field Effect on Proton Chemical Shifts **Shaw-Tao Lin and Wen-chung Lin**
(—)
- 98 Micelles in Organic Synthesis: Aldol Reactions in Aqueous Micelles of Cetyltrimethylammonium Bromide **K. R. Nivalkar, C. D. Mudaliar and S. H. Mashraqui**
(—)
- 100 Dimerization of Isoeugenol, Isoeugenyl Methyl Ether and Isoeugenyl Acetate **Emile Al-Farhan, Philip M. Keehn and Robert Stevenson**
(—)
- 102 Protonation Equilibria of Phenylindoles
(—) **M. A. Muñoz, P. Guardado, J. Hidalgo, M. C. Carmona and M. Balón**
- 104 Efficient Epoxidation of Cholesterol and Cholesteryl Acetate by Dioxygen in the Presence of Isobutyraldehyde. Metalloporphyrin-enhanced β -Diastereofacial Selectivity of Epoxidation **René Ramasseul, Manuella Tavarés and Jean-Claude Marchon**
(—)
- 106 Studies on the Ground-state Complex between Riboflavin and Sodium Azide by Fluorimetric and Absorption Methods
(—) **Biswajit Sarkar, Utpal Das, Subir Nath Bhattacharyya and Swapan K. Bose**
- 108 Some Reactions of Possible Precursors of Pentacyclo[8.4.2.0^{2,14}.0^{3,8}.0^{9,11}]hexadeca-3,5,7,12,15-pentaene **Eckehard V. Dehmlow and Carsten Gröning**
(—)
- 110 Relationships between Solute Hydrogen-bond Acidity/Basicity and the Calculated Electrostatic Potential **Jane S. Murray and Peter Politzer**
(—)
- 112 Synthesis of *trans*-Iodo(pyridine)platinum(II) Complexes from the *cis* Isomers by Reaction with Dimethyl Sulfoxide **Tam B. T. Ha, Paule Castan, Jean-Pierre Souchard and Franz Wimmer**
(—)
- 114 Identification of Flavones and Flavonols on a Microgram Scale **Ann Harvey, John M. Harvey, Anne-Marie McWilliams, Simon T. Mortimer and Mark C. Whiting**
(—)
- 116 A Simple Synthesis of Aquacobalamin
(—) **Rainer Bieganski and Günter Klar**

N.B. The numbers in parentheses, prefaced by *M*, indicate the first frame occupied by the *full-text version* of the paper in *J. Chem. Research (M)*. Where no such number is given, the paper as published in *J. Chem. Research (S)* is complete in itself, and there is no extra material in Part *M*.

Toronto
International
Conference
on
Organic
Reactive
Intermediates
(TICORI)

Scarborough Campus
University of Toronto

July 30–August 1, 1992



A two-day intensive program devoted to all aspects of the chemistry of organic reactive intermediates, immediately preceding the XIth IUPAC Physical Organic Chemistry Conference in Ithaca, New York, August 2–7, 1992*

PLENARY LECTURERS

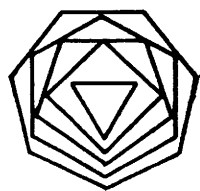
P. Ahlberg (Sweden)	Z. Rappoport (Israel)
G. Angelini (Italy)	J. Scaiano (Canada)
Y. Apeloig (Israel)	H. Schwarz (Germany)
M. Fox (USA)	G. Scorrano (Italy)
P. Gassman (USA)	A. Streitwieser (USA)
A. Kirby (UK)	T. Sorensen (Canada)
R. More O'Ferrall (Ireland)	H. Tomioka (Japan)
L. Radom (Australia)	J. Wirz (Switzerland)
N. Zefirov (USSR)	

FOR FURTHER INFORMATION AND A SECOND CIRCULAR PLEASE CONTACT

Professor T. T. Tidwell
Department of Chemistry
University of Toronto
Toronto, Ontario
CANADA M5S 1A1
FAX 1 (416) 287 7013

CONTRIBUTED PAPERS ARE WELCOMED

* Return bus transportation between Toronto and Ithaca will be available at a reasonable cost.



11th IUPAC Conference on Physical Organic Chemistry

Ithaca College, Ithaca, New York, USA

2–7 August, 1992

PLENARY LECTURERS

Marye Anne Fox (Texas)	William L. Jorgensen (Yale)
G. Mehta (Hyderabad)	Michael N. Paddon-Row (New South Wales)
Jean-Michel Savéant (Paris)	JoAnne Stubbe (MIT)
F. Vögtle (Bonn)	Fred Wudl (U.C. Santa Barbara)

HALF-HOUR PRESENTATIONS

Tadhg Begley (Cornell)	Barry Carpenter (Cornell)
David Collum (Cornell)	Charles DePuy (Colorado)
Joshua Goodman (Rochester)	Michael Hanack (Tübingen)
Hiizu Iwamura (Tokyo)	Xi-Kuei Jiang (Shanghai)
G. von Kiedrowski (Göttingen)	Noboru Koga (Tokyo)
Hideyuki Matsumoto (Gumma)	Hiroshi Nakanishi (Tsukuba)
Lucia Pasquato (Padova)	Isebel Rico (Toulouse)
John Richard (Kentucky)	Wolfram Sander (Braunschweig)
Marc-Antoine Schwaller (Paris)	Helmut Schwarz (Berlin)
Boris Simkin (Rostov)	Dotsevi Sogah (Cornell)
Maurizio Speranza (Roma)	Robert Squires (Purdue)
Charles Stirling (Sheffield)	Yuho Tsuno (Kyushu)
Curt Wentrup (Queensland)	Ian Williams (Bath)
Jean-Nöel Verpeaux (Paris)	Steven Zimmerman (Illinois)

CONTRIBUTED PAPERS FOR ORAL OR POSTER PRESENTATION ARE WELCOMED

FOR THE SECOND CIRCULAR PLEASE CONTACT

Prof. Heinz F. Koch
Department of Chemistry
Ithaca College
Ithaca, NY 14850, USA
FAX: +1 (607) 274-3474
Telephone: +1 (607) 274-2982
BITNET: "HEINZ@ITHACA"

Scan the contents page, below, or the latest issue of 'Mendeleev Communication'.
It speaks volumes for what you'll find when you read the journal itself...

1992, Issue 1

- | | | |
|--|----|---|
| Evgenii T. Denisov | 1 | The Parabolic Transition State Model and Resultant Nonlinear Correlations for the Kinetics of Free Radical Reactions |
| Rakhim R. Rakhimov, Aleksandr I. Semikopny and Yakov S. Lebedev | 2 | Unexpected Influence of Viscosity on Intramolecular Spin Exchange in Nitroxide Biradicals |
| Genrikh A. Tolstikov, Rinat R. Akhmetvaleev, Vadim M. Zhurba and Mansur S. Miftakhov | 4 | A Novel Approach to Carbacycline |
| Vera S. Belova, Alexander M. Khenkin, Victor N. Postnov, Valerii E. Prusakov, Alexander E. Shilov and Marina L. Stepanova | 7 | Oxidation of Alkanes by Dioxygen in the Presence of an Iron Complex immobilized on Modified Silica. Chemical Model of Methane Monooxygenase |
| Sergei V. Chapyshev and Victor G. Kartsev | 8 | New Rearrangement in the <i>o</i> -Methoxycarbonyl- ω -diazoacetophenone Series |
| Yurii A. Lokhov, Sergei F. Tikhov, Mikhail N. Bredikhin, Aleksei G. Zhirnyagin and Vladislav A. Sadykov | 10 | Carbon Monoxide Oxidation on Cobalt Oxides at 80 K: an FTIR Study |
| Ivan S. Alfer'ev and Sergey Yu. Bobkov | 12 | Cyclic Oligophosphonic Anhydrides |
| Oleg M. Nefedov, Yurii V. Tomilov, Andrei B. Kostitsyn, Usein M. Dzhemilev and Vladimir A. Dokitchev | 13 | Cyclopropanation of Unsaturated Compounds with Diazomethane Generated <i>in situ</i> . A New Efficient and Practical Route to Cyclopropane Derivatives |
| Aleksei Yu. Kryukov, Alim Ch. Saidov and Anatolii V. Vannikov | 15 | Charge Carrier Transport in Ether-substituted Poly(1,4-phenylene-1,2-diphenylvinylene) Films |
| Sergey B. Bulgarevich and David Ya. Movshovich | 16 | The Onsager Approximation and Nonspecific Intermolecular Interactions in Polar Media |
| Valentin P. Feshin | 18 | p,π -Interaction in the Y—C=C Group |
| Saule K. Kudaikulova, Yurii A. Dubnitskii, Otan A. Almabekov and Bulat A. Zhubanov | 19 | Copolymerization of Pyrrole with Aromatic Bisdiazonium Salts |
| Sergei V. Verin, Dmitrii E. Tosunyan and Evgenii V. Kuznetsov | 20 | An Efficient Access to α -Tetralones and their Derivatives <i>via</i> <i>O</i> -Quinodimethanes Generated by Isochromene Ring Cleavage |
| Vadim I. Nefedov, Alexander N. Sokolov, Andrei R. Vinogradov, Tatiana A. Fomina, Natalia G. Shuranova, Konstantin G. Oksenoid, Grigorii I. Ramendik and Evgenii A. Volkov | 21 | Changes in the Composition and Properties of High- T_c Superconducting Ceramics $YBa_2Cu_3O_{6.5+\delta}$ after Passage of a Direct Current |
| Arthur N. Frolov and Maxim V. Baklanov | 22 | Unusual Photocyclization of 1-(2-Pyridylamino)-8-chloronaphthalene |
| Victor M. Anisimov, Alexandr B. Zolotoi, Mikhail Y. Antipin, Petr M. Lukin, Oleg E. Nasakin and Yurii T. Struchkov | 24 | Hexacyanocyclopropane. Synthesis and Structure |
| Aleksandr S. Kiselev, Andrei A. Gakh, Aleksandr V. Samet and Victor V. Semenov | 25 | Aromatic Ring Opening of Pyridinium Salts using Carbanions formed from Malononitrile and Ethyl Cyanoacetate |
| Usein M. Dzhemilev, Askhat G. Ibragimov and Aleksei B. Morozov | 26 | Regio- and Stereo-selective Synthesis of <i>trans</i> -3,4-Dialkyl-substituted Aluminacyclopentanes in the Presence of $(\eta^5-C_5H_5)_2ZrCl_2$ |
| Usein M. Dzhemilev, Askhat G. Ibragimov and Aleksei P. Zolotarev | 28 | Novel Regioselective β -Hydrovinylation of Terminal Alkenes in the Presence of Metallocomplexed Catalysts |
| Dmitrii G. Mazhukin, Leonid B. Volodarskii, Lidiya A. Tikhonova and Aleksei Ya. Tikhonov | 29 | Synthesis of 3,4-Dihydro-1,2-diazete 1,2-Dioxides based on 1,2-Bishydroxylamines and 1,2-Nitroso Oxime |
| Alexander E. Mistryukov, Igor S. Vasil'chenko, Vladimir S. Sergienko, Alexander L. Nivorozhkin, Stanislav G. Kochin, Mikhail A. Porai-Koshits, Leonid E. Nivorozhkin and Alexander D. Garnovskii | 30 | Direct Evidence for Bidentate Character of Potentially Tridentate N,S-Ligands. Molecular Structures of Bis[<i>N</i> -(2-pyridyl)thiosilylidene- κ S-amino- κ N]nickel(II) and Bis{1-isopropyl-3-methyl-4-[<i>N</i> -(2-pyridyl)imino- κ N-methyl]pyrazole-5-thiolato- κ S]copper(II)} |
| Mikhail M. Levitskii, Aleksandr Yu. D'yakonov and Anatolii L. Buchachenko | 32 | Unusual Magnetic Behaviour of Polyferro(phenyl)siloxanes |
| Alexander F. Pozharskii, Ilya M. Nanavyan and Valery V. Kuz'menko | 33 | Formation of 3-Amino-1,2,4-triazines by Thermolysis of Condensed <i>N</i> -Amino- α -Azidoimidazoles |
| Aleksandr A. Rudnev | 35 | Cosmic Rays and Chemical Evolution |
| Georgiy B. Shul'pin and Alla N. Druzhinina | 36 | Iron(III) Chloride Catalysed Photooxygenation of Alcohol Solutions of Alkanes by Atmospheric Oxygen |
| Vladimir A. Ryabinin, Vladimir F. Starichenko and Vitalii D. Shteingarts | 37 | C—N Bond Cleavage in the Electrochemical Reduction of 1,2,4,5-Tetrafluoro-3,6-dinitrobenzene |
| Valery N. Khabashesku, V. Balaji, Sergei E. Boganov, Svetlana A. Bashkirova, Pavel M. Matveichev, Evgeny A. Chernyshev, Oleg M. Nefedov and Josef Michl | 38 | Matrix Isolation and Photochemical Interconversion of Silacyclopentadienes |

ROYAL
SOCIETY OF
CHEMISTRY



Information
Services

MENDELEEV COMMUNICATIONS

Preliminary accounts of important new work in chemistry
from Russia, Other States of the Commonwealth of
Independent States and Elsewhere - read it!



Российская
АКАДЕМИЯ НАУК