

Contents

Vol. 68, No. 7, 1998

Simultaneous English language translation of the journal is available from MAIK-Hayka/Interperiodica Publishing (Russia).
Distributed worldwide by Plenum Consultants Bureau. *Russian Journal of General Chemistry* ISSN 1070-3632.

Enthalpies of Solution and Solvation of Halides

of Some Rare-Earth Elements in Aqueous Formamide Solutions

A. F. Vorob'ev, A. S. Monaenkova, and S. V. Vasil'eva **p. 1005** [abstract](#)

Thermal Decomposition of Zirconium Indenyl Derivatives

M. R. Leonov, L. I. Vyshinskaya, and V. A. Il'yushenkov **p. 1009** [abstract](#)

Methods for Preparing Germanium Dihalides

*V. V. Shcherbinin, I. P. Shvedov, K. V. Pavlov,
N. G. Komalenkova, and E. A. Chernyshev* **p. 1013** [abstract](#)

Low-Temperature Processes in the Aluminum Chloride–Nitroalkane System.

I. Formation and Stability of Aluminum Chloride Complexes with Nitromethane
in the Solid Phase at Low Temperatures

M. I. Shilina and V. V. Smirnov **p. 1017** [abstract](#)

Synthesis of Trialkyl Phosphates from White Phosphorus

A. S. Romakhin and E. V. Nikitin **p. 1023** [abstract](#)

Reactions of 2-R-4-Oxo-5,6-benzo-1,3,2-dioxaphosphorinanes
with Chloral and Bromal. X-ray Diffraction Study of 5-Oxo-2-phenyl-
and 5-Oxo-2-methoxy-3-trichloromethyl-6,7-benzo-1,4,2-dioxaphosphepine 2-Oxides

*V. F. Mironov, I. A. Litvinov, A. T. Gubaidullin, R. M. Aminova,
L. M. Burnaeva, N. M. Azancheev, M. E. Filatov, and I. V. Konovalova* **p. 1027** [abstract](#)

Interaction of a Phosphorus-containing Cavitand Derived
from Calix[4]resorcinolarene with Amines. An ¹H NMR Study

*L. S. Kuznetsova, A. R. Mustafina, I. L. Nikolaeva,
A. R. Burilov, M. A. Pudovik, and A. I. Konovalov* **p. 1043** [abstract](#)

Alkylation of *N*-Phosphorylated Thioamides

N. G. Zabiroy, F. D. Sokolov, and R. A. Cherkasov **p. 1047** [abstract](#)

Synthesis and Properties of Phosphobetaine Structures. I. Reactions of Triphenylphosphine
and Triphenyl Phosphite with Unsaturated Carboxylic Acids and Their Derivatives

*V. I. Galkin, Yu. V. Bakhtiyarova, N. A. Polezhaeva,
R. A. Shaikhutdinov, V. V. Klochkov, and R. A. Cherkasov* **p. 1052** [abstract](#)

Reactions of Aluminum, Gallium, and Indium Trichlorides
with Bis(trimethylsilyl)phosphenamidothioic *tert*-Butylimide

A. I. Brusilovets **p. 1057** [abstract](#)

Reactions of Imidophosphenous Amides with Tin Tetraisopropoxide

A. I. Brusilovets, V. G. Bdzhola, and T. Lis **p. 1060** [abstract](#)

Trialkylstannyl and Dialkylstannyl Derivatives of Sulfoacetone

V. I. Shcherbakov, I. P. Malysheva, and Yu. A. Kurskii **p. 1064** [abstract](#)

Kinetics and Mechanism of Thermolysis of Adamant-1-yloxydimethyl(*tert*-butylperoxyalkoxy)silanes

*B. I. No, G. M. Butov, K. R. Saad, V. M. Mokhov,
Z. M. Sabirov, V. N. Urazbaev, and Yu. B. Monakov* **p. 1068** [abstract](#)

Coordination Catalysis in Organic Electrosynthesis. Electrochemical Reduction
of Certain Nickel Subgroup Metal Complexes with Salen Ligands
in the Presence of Organic Halides

Yu. G. Budnikova, D. G. Yakhvarov, and Yu. M. Kargin **p. 1071** [abstract](#)

CH Acidity of Sulfides

I. F. Tupitsyn, A. S. Popov, N. N. Zatsepina, and V. Z. Kaufman p. 1076 [abstract](#)

Ab initio Quantum-Chemical Study of the Bond Nature in the Donor–Acceptor Complexes MX_3YH_3
(M = Al, Ga, In; X = F, Cl, Br, I; Y = N, P, As)

A. Yu. Timoshkin, A. V. Suvorov, and G. F. Schaefer, III p. 1085 [abstract](#)

Joint Synthesis of Tertiary Unsymmetrical and Symmetrical Aliphatic Amines

N. G. Kozlov, A. B. Tereshko, L. I. Basalaeva, and V. A. Tarasevich p. 1095 [abstract](#)

Hemiacetalization Equilibrium of Carbonyl Compounds in Ethylene Glycol

A. L. Balashov, S. M. Danov, V. L. Krasnov, A. Yu. Chernov, and A. I. Kvasheninnikov p. 1099 [abstract](#)

Molecular, Thermodynamic, and Kinetic Parameters of $CClF_2CHF$ and $CClF_2\dot{C}HF$ in the Gas Phase

G. A. Skorobogatov, B. P. Dymov, R. Šterba, and E. P. Tschuikow-Roux p. 1104 [abstract](#)

Reaction of Methyl Diazoacetate with Methyl 2-Acetylaminoacrylate

N. A. Anisimova, G. A. Berkova, and L. I. Deiko p. 1112 [abstract](#)

Effect of Phenylacetylene on Decomposition of Hydroperoxides in a Superbasic Medium

A. S. Lyavinets, A. F. Choban, and K. A. Chervinskii p. 1116 [abstract](#)

Mechanism of Dehydroaromatization of Cyclohexene and Cyclohexadiene

*N. T. Berberova, N. N. Letichevskaya, N. P. Belenko, E. V. Shinkar',
S. A. Kolyada, and O. Yu. Okhlobystin* p. 1120 [abstract](#)

Quantitative Study of Cooperative Effect of Excess Acidity, Nature of Substituent,
and Temperature on Hydrolysis Rate of Aromatic Sulfonyl Chlorides in Sulfuric Acid

S. N. Ivanov, V. V. Kislov, and B. G. Gnedin p. 1123 [abstract](#)

Reactions of Nickel(II) and Copper(II) *N*-(2-Aminoethyl)aziridine Complexes with Formaldehyde
and Nitromethane. Synthesis of Three-dimensional Polyazo Macromolecules Consisting
of Tri(*N*-methylenepiperazinomethyl)nitromethane Units

V. B. Ukrainsev, B. A. Krasnov, and V. V. Potekhin p. 1129 [abstract](#)

Reactions of Arenediazonium Tetrafluoroborates with Allyl Glycidyl Ether
in the Presence of Sodium Chloride and Potassium Xanthates

P. M. Gorbovoi, E. Ya. Kudrik, and B. D. Grishchuk p. 1132 [abstract](#)

An Improved Method for Preparing Dibenzo Crown Ethers

S. A. Kotlyar, V. P. Gorodnyuk, R. Ya. Grigorash, and G. N. Chuprin p. 1135 [abstract](#)

1-Vinyl- and 2-Vinylindazoles in Reactions with Zinc and Cadmium Halides

*L. A. Es'kova, E. V. Petrova, N. N. Chipanina,
A. M. Shulunova, A. V. Afonin, and E. S. Domnina* p. 1139 [abstract](#)

(Dichloroacetyl)aroylmethanes. Competition of the Claisen and Darzens Reactions

V. A. Mamedov, E. A. Berdnikov, L. V. Mustakimova, and Ya. A. Levin p. 1143 [abstract](#)

Features of Azo Coupling of Diazotized Orthanilic and Sulfanilic Acids
with *N*-Acetyl J Acid in Citrate–Phosphate Buffer Solutions

K. A. Kornev and A. Ya. Zheltov p. 1147 [abstract](#)

Letters to the Editor

“Dynamic” Solid-Phase Synthesis of Ni(II) Chelate with Dimethylglyoxime

O. V. Mikhailov, S. V. Polovnyak, V. K. Polovnyak, and R. Ya. Deberdeev p. 1152 [abstract](#)

Synthesis, Structure, and Biological Activity of Cu(II) Complexes
with *N,N'*-Bis(*o*-hydroxybenzyl)ethylenediamine

L. A. Obozova and S. P. Mitrofanova p. 1154 [abstract](#)

Synthesis and Spectral Properties of Potassium Aluminum Phosphate Glass Doped
with Tetravalent Vanadium Compounds

I. M. Batyaev and S. V. Linnikov p. 1156 [abstract](#)

Asymmetric Induction in Thionation of Aminophosphine Diastereomers

O.I. Kolodyazhnyi, S. Sheiko, I. Neda, and R. Schmutzler **p. 1157** [abstract](#)

Asymmetric Induction in the Arbuzov Reaction

O.I. Kolodyazhnyi, E. V. Grishkun, I. Neda, and R. Schmutzler **p. 1159** [abstract](#)

Synthesis of Phosphorus-substituted Derivatives of Dimethylformamide Containing the PCH₂N Group

A. A. Prishchenko, M. V. Livantsov, Zh. Yu. Goncharova,

O. P. Novikova, and E. V. Grigor'ev **p. 1161** [abstract](#)

Pyridylethylation of Phosphorus-substituted Methylamines Containing NH Groups

A. A. Prishchenko, D. N. Kustrya, M. V. Livantsov,

O. P. Novikova, and E. V. Grigor'ev **p. 1164** [abstract](#)

Special Type of Anderson Rearrangement

Yu. N. Kukushkin and V. B. Matasov **p. 1166** [abstract](#)

Synthesis of Natural 2-Keto-3-deoxy-*D*-manno-octonic Acid from Oximinolactone Precursor

Yu. M. Mikshiev, B. B. Paidak, V. I. Kornilov, and Yu. A. Zhdanov **p. 1168** [abstract](#)
