Contents

Vol. 67, No. 9, 1997

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

Chemistry of Binuclear Bridged Complexes of Platinum Metals
III. Electronic Structure and Properties of the Complex $[Ru(NH_3)_4(bipy)]^{2+}$
in the Ground and Lower Excited States
O. V. Sizova, N. V. Ivanova, A. Yu. Ershov,
A. B. Nikol'skii, and I. V. Rogachevskii **p. 1321** abstract

Synthesis and Study of Gadolinium(III), Terbium(III),
and Dysprosium(III) Trifluoroacetate Trihydrates
N. P. Sokolova, L. A. Sheludyakova, V. I. Lisoivan,
V. P. Fadeeva, and S. V. Larionov **p. 1327** abstract

Reaction of Crown Ethers with Boron(III), Silicon, Germanium,
Tin(IV), and Antimony(III) Fluorides in the Presence of Water
E. V. Ganin **p. 1331** abstract

Cobalt, Nickel, Copper, and Zinc Coordination Compounds with 4-(2-Hydroxybenzylideneamino)-
and 4-[(2-Hydroxy-1-naphthyl)methyleneamino]-3-hydroxynaphtalene-1-sulfonic Acids
V. I. Tsapkov and N. M. Samus' **p. 1334** abstract

Activation of Elemental Sulfur by the System Hydrazine Hydrate–Amine
E. N. Deryagina, E. N. Suhomazova, E. P. Levanova, and I. A. Kozlov **p. 1340** abstract

Effect of the Acetonitrile–Water Solvent on the Energy of Complex Formation
of the Na^+ and K^+ Ions with the 18-Crown-6 and Dibenzo-18-Crown-6 Ethers
S. V. El'tsov, A. P. Kern, A. M. Zholnovach, and N. V. Bondarev **p. 1342** abstract

Calorimetric Study of Na^+ Complex Formation
with 18-Crown-6 in Water–Methanol Mixtures
O. V. Larina, A. P. Kern, and N. V. Bondarev **p. 1351** abstract

Enthalpies of Mixing of Water with Secondary Amides of Carboxylic Acids
A. M. Zaichikov **p. 1355** abstract

Enthalpies of Dissolution of Lithium Perchlorate in Diethyl Ether, Acetone, Acetonitrile,
and Dimethyl Sulfoxide and Its Acceleration Effect on Cycloaddition Reactions
V. D. Kiselev, E. A. Kashaeva, N. A. Luzanova, and A. I. Konovalov **p. 1361** abstract

Electric Conductivity and Interionic Non-Coulomb Potentials
of 1 : 1 Electrolytes in Acetone: Temperature Effects
O. N. Kalugin, V. G. Panchenko, and I. N. V'yunnik **p. 1367** abstract

Partition of Tetrahydrofuran and Diethyl Ether between Organic and Aqueous Phases
R. G. Makitra, Ya. M. Vasyutyn, Ya. N. Pirig, and G. G. Midyana **p. 1376** abstract

Effect of α-Substituents on the Strength of Substituted Dimethylphosphinic Acids
A. A. Grigor'eva, M. I. Shermergorn†, T. A. Mastryukova, and M. I. Kabachnik† **p. 1384** abstract

Dissociation Constants of Some Acid *S*-Alkyl Phosphorus Thio Esters
A. A. Grigor'eva, G. F. Litovchenko, N. N. Zalesova, L. S. Butorina,
E. E. Nifant'ev, T. A. Mastryukova, and M. I. Kabachnik† **p. 1389** abstract

Biologically Active Derivatives of Phosphorylated Carboxylic Acids
R. I. Tarasova and V. V. Moskva **p. 1393** abstract

Cyclic Diphosphites Derived from 1,1'-Methylenedinaphthol.
Synthesis, Structure, and Features of Chemical Behavior
T. A. Batalova, E. N. Rasadkina, L. K. Vasyanina, V. K. Bel'skii, and E. E. Nifant'ev **p. 1406** abstract

Structural Assessment of Phosphorus-containing Alkenes from NMR Spectral Data
T. A. Zyablikova, N. G. Khusainova, and R. A. Cherkasov **p. 1414** abstract

Reaction of Dialkyl Dithiophosphates with Arylhydrazones
of Mesoxalodinitrile and with Ethyl Cyanohydrazonoacetate
T. G. Rymareva, N. A. Torgasheva, Ya. B. Zelikhover, and V. K. Bel'skii **p. 1417** abstract

Mechanism of Electrochemical Synthesis of Phosphonium and Quasiphosphonium Salts
A. S. Romakhin, F. M. Palyutin, V. A. Zagumennov, and E. V. Nikitin **p. 1424** abstract

Chlorideless Synthesis of *N*,*N*'-Thiodiamines
B. M. Musin **p. 1429** abstract

Synthesis of Some (2,3-Dibromopropyl)isocyanurates
S. E. Solov'eva, S. G. Fattakhov, V. S. Reznik, and R. R. Shagidullin **p. 1431** abstract

Reactions of Pentaarylantimony with *ortho*-Substituted Phenols
V. V. Sharutin, O. K. Sharutina, P. E. Osipov, M. A. Pushilin,
D. V. Muslin, N. Sh. Lyapina, V. V. Zhidkov, and V. K. Bel'skii **p. 1435** abstract

Tetra- and Triphenylantimony Sulfonates
V. V. Sharutin, O. K. Sharutina, L. P. Panova, and V. K. Bel'skii **p. 1438** abstract

Reactions of Pentaarylantimony with Triarylantimony Diacylates
V. V. Sharutin, O. K. Sharutina, A. P. Pakusina, and V. K. Bel'skii **p. 1443** abstract

Synthesis and Structure of 3,3-Dimethyl-1,3-thiasilinane, 3,3-Dimethyl-1,3-thiasilinane 1-Oxide,
and 3,3-Dimethyl-1,3-thiasilinane 1,1-Dioxide
S. V. Kirpichenko, E. N. Suslova, L. L. Tolstikova, A. I. Albanov, and B. A. Shainyan **p. 1449** abstract

Preparation and Photodecomposition of Allyl- and Vinyl-containing Di- and Oligosilanes
V. V. Semenov, E. Yu. Ladilina, N. F. Cherepennikova,
M. A. Lopatin, S. Ya. Khorshev, and Yu. A. Kurskii **p. 1455** abstract

Synthesis of Structurally Hindered Acetylenic Tertiary Peroxy Alcohols and Esters
E. A. Dikusar, A. P. Yuvchenko, N. A. Zhukovskaya,
V. L. Murashko, and K. L. Moiseichuk **p. 1463** abstract

Reaction of Perfluoro(1-ethyl-2-methyl-1-propenyl Isothiocyanate)
with Allyl Alcohol in the Presence of Triethylamine
G. G. Furin and E. L. Zhuzhgov **p. 1467** abstract

Radical Anions of Some Substituted 4-Chloro-1,3-dinitrobenzenes
V. M. Kazakova, N. E. Minina, and I. Yu. Kokoreva **p. 1472** abstract

Nucleophilicity and Basicity of Phenols in the Aminolysis
of Corresponding Aryl Acetates with Piperidine
A. V. Kurzin, A. Yu. Platonov, E. I. Evstigneev, and E. D. Maiorova **p. 1475** abstract

Crystal Structure of (Benzothiazol-2-yl)cyanoformaldoxyme
Demonstrates the Lack of the Intramolecular Interaction S···O
K. V. Domasevich **p. 1478** abstract

Synthesis and Properties of Bisquinocyanine Dyes on the Basis
of 4-Methyl-1-(2-oxochromen-3-ylcarbonylmethyl)quinolinium Bromide
P. I. Yagodinets **p. 1482** abstract

Letters to the Editor

Reaction of 2-Phenyl-5,6-benzo-1,3,2-benzodioxaphosphorin-4-one with Chloral.
The Electronic Structure of the Intermediates, Calculated with Allowance
for Medium Effects in the First Reaction Step
V. B. Mushkin, R. M. Aminova, V. F. Mironov, and A. I. Konovalov **p. 1486** abstract

Convenient Method for Preparing Benzo[*b*]selenophene
E. N. Deryagina and N. A. Kochervin **p. 1488** abstract

==========