

Contents

Vol. 77, No. 2, 2007

Simultaneous English language translation of the journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Russian Journal of General Chemistry* ISSN 1070-3632.

“Liberty, Labor, and Duty” <i>I. S. Dmitriev</i>	159
D.I. Mendeleev and Physical Chemistry: Hundred Years After <i>A. I. Rusanov</i>	173
Reactivity of Ligands <i>V. Yu. Kukushkin and N. A. Bokach</i>	194
University Chemical Education—From Mendeleev to Nowadays <i>L. L. Rodina</i>	206
Structure and Magnetic and Electric Properties of Bismuth Niobates Doped with <i>d</i> -Elements: III. Magnetic and Electric Properties of Copper-containing Solid Solutions of Bismuth Orthoniobate <i>N. A. Zhuk, I. V. Piir, and N. V. Chezhina</i>	215
Hybrid Nanostructures Based on Layered Silicates and Nitrogen-containing Organic Compounds <i>O. Yu. Golubeva, O. S. Domanova, V. L. Ugolkov, and V. V. Gusarov</i>	221
Effect of Competitive Acido Complex Formation of the Solubility of Binary Chlorides in $MCl_2\text{--}M'Cl_2\text{--}H_2O$ Systems <i>I. V. Zamyatin and M. Yu. Skripkin</i>	226
Dependence of the Protonation Constants of Organic Compounds on Their Molecular Volume <i>Yu. E. Zevatskii and E. A. Vlasov</i>	234
Phosphorylation and Cyclophosphorylation of 1,4-Diacetoxyanthracene and Dianthrone <i>E. N. Rasadkina, A. V. Petrov, and E. E. Nifant'ev</i>	241
Thermochemical Characteristics of Phosphorous Acid Derivatives <i>E. V. Sagdeev and Yu. G. Safina</i>	248
Comparative Reactivity of Substituted 1,3- and 1,4-Thiasilinane <i>S</i> -Oxides in the Sila-Pummerer Rearrangement and Inversion of the Thiocarbonyl Group <i>E. N. Suslova, I. A. Ushakov, and B. A. Shainyan</i>	253
Solvatochromism of Heteroaromatic Compounds: XXXI. Energetics of Hydrogen Bonding Between <i>N</i> -Methyltrifluoromethanesulfonamide and Ethers <i>I. V. Sterkhova, A. I. Vokin, L. P. Oznobikhina, N. N. Chipanina, B. A. Shainyan, and V. K. Turchaninov</i>	264
Bis(1,10-phenanthroline)lithium Perchlorate: Crystal Structure and Dissociation in Acetone <i>G. L. Starova, A. S. Denisova, E. M. Dem'yanchuk, and M. B. Degtyareva</i>	274
Synthesis and Study of Film-forming Properties and Light Sensitivity of 4-Acyloxy-3-methoxy(ethoxy)phenylmethylidene(chrysene-2-yl)amines <i>E. A. Dikusar, N. G. Kozlov, V. I. Potkin, V. A. Azarko, and A. P. Yuvchenko</i>	278
Oxidation of Some Organic Thiols with Tetramethylammonium Fluorochromate(VI) <i>H. Imanieh, S. Ghamami, M. K. Mohammadi, and A. Jangjoo</i>	282
Synthesis of Schiff Bases on the Basis of the Isosteviol Terpenoid <i>O. I. Militsina, I. Yu. Strobykina, G. I. Kovlyayeva, G. A. Bakaleinik, V. E. Kataev, A. T. Gubaiddullin, R. Z. Musin, and A. G. Tolstikov</i>	285

Synthesis of α -Methyl- β -(3-methylpyrazol-1-yl)-and α -Methyl- β -(5-Methylpyrazol-1-yl)propionic Acids
and Their Esterification with Vinyl Acetate

O. S. Attaryan, A. O. Baltayan, and S. G. Matsoyan

297

Spectropotentiometric and Calorimetric Study of the Thermodynamics of Protonation
of Protoporphyrin Ligands in Acetonitrile and Dimethyl Sulfoxide

O. R. Simonova and V. B. Sheinin

301

Letters to the Editor

Bromination of 1,3-Dimethyl- and 1,5-Dimethyl-1*H*-pyrazole-4-carboxylic Acids

O. S. Attaryan, G. A. Akopyan, K. S. Badalyan, and G. V. Asratyan

307

Reaction of Acyl Halides and P(III) Chlorides with Alkyl Diphenyl(or Triphenyl)methyl Ethers

M. B. Gazizov, O. D. Khairullina, Sh. N. Ibragimov,

R. F. Karimova, D. B. Bagautdinova, and O. G. Sinyashin

309

New Synthetic Approach to Phosphorylated 2-Aminothiazoles

L. K. Sal'keeva, E. V. Minaeva, M. T. Nurmaganbetova, and A. S. Kusainov

312

Synthesis and Properties of *N*-Phosphorylated Aminoaldehydes

M. B. Gazizov, R. A. Khairullin, A. I. Alekhina, L. R. Bagauva, and O. G. Sinyashin

313

Synthesis of Allyl Ethers Derived from Polyfluorinated Alcohols

A. I. Rakhimov, E. V. Shurubtsova, and N. A. Storozhakova

317

Reaction of Perfluorocarboxylic Anhydrides

with 2-(4-Chlorophenyl)-1-(3,4-dimethoxyphenyl)-8,9-dimethoxypyrrolo[2,1-*a*]isoquinoline

A. E. Krivoshein, D. V. Krivorotov, M. V. Vorob'ev,

M. L. Petrov, and V. A. Polukeev

319

Organosilicon Synthesis of Thiophene Analogs of Isatoic Acid Anhydride

A. V. Lebedev, A. B. Lebedeva, V. D. Sheludyakov,

S. N. Ovcharuk, E. A. Kovaleva, and O. L. Ustinova

321
