

Contents

Vol. 84, No. 2, 2014

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

Preparation of Nanocrystalline Lead Sulfide Powder with Controlled Particles Size <i>S. I. Sadovnikov and A. I. Gusev</i>	173
Composition, Structure, and Sorption Capacity of Natural Aluminosilicates <i>E. S. Ivanova, Yu. Yu. Gavronskaya, V. M. Stozharov, and V. N. Pak</i>	181
Structure, Magnetic, and Electric Properties of Bismuth Niobates Doped with <i>d</i> -Elements: IX. State of Nickel in the $\text{Bi}_2\text{BaNi}_x\text{Nb}_{2-x}\text{O}_{9-\delta}$ Solid Solutions with Layered Perovskite-Like Structure <i>N. V. Chezhina, I. V. Piir, and N. A. Zhuk</i>	185
Ceric Oxide Effect on Heat-Induced Transformations of Zirconium Oxide Microfibers Prepared by Impregnation of Cotton Fiber <i>A. Yu. Bugaeva, I. V. Loukhina, V. A. Belyi, and B. N. Dudkin</i>	190
Preparation of Hydrides of Intermetallic Compounds <i>B. P. Tarasov, E. E. Fokina, and V. N. Fokin</i>	194
Structure and Properties of Acetone Solvates in Binary Mixtures with Some Nonpolar Solvents <i>V. A. Gorodyskii</i>	198
Adducts Formation at Fullerenes C_{60} and C_{70} Dissolution in Essential Oils <i>L. A. Konopelko, A. N. Krilov, E. M. Lopushanskaya, and O. G. Popov</i>	205
Deuterium Isotope Effect in the Reaction of Anthrone Oxidation with Molecular Oxygen Catalyzed with Aliphatic Amines <i>A. A. Serdyuk, M. G. Kasyanchuk, and I. A. Opeida</i>	209
Solvent Effects in the Arenesulfonylation of <i>N</i> -Alkylanilines <i>T. P. Kustova, L. B. Kochetova, and N. V. Kalinina</i>	214
Solvent Effect on the Optical Rotation of (<i>S</i>)-(-)- α -Methylbenzylamine <i>G. G. Midyana, R. G. Makitra[†], and E. Ya. Pal'chikova</i>	218
Thermochemical Analysis of Intermolecular Interaction of Aliphatic Amino Acids with Propanediol-1,3 in Aqueous Media <i>I. N. Mezhevoi and V. G. Badelin</i>	223
Formation of Molecular Complexes between 18-Crown-6 and Amino Acids in Aqueous-Organic Media <i>T. R. Usacheva and V. A. Sharnin</i>	227
<i>N</i> -Glycosides of 4-Aminostyrene <i>A. L. Shul'tsev</i>	235
Synthesis and Structure of Oxanorbornenes Functionalized by Nitro- and Trichloromethyl Groups <i>N. A. Anisimova, E. K. Slobodchikova, V. M. Berestovitskaya, A. A. Kuzhaeva, M. E. Ivanova, and T. V. Rybalova</i>	242
Molecular Complexes of Heteroaromatic <i>N</i> -Oxides with Boron Trifluoride <i>V. P. Andreev, V. A. Tafeenko, and S. N. Ivashevskaya</i>	255
Synthesis of New Naphthostyryl Derivatives via Nucleophilic Substitution of Methylthio Group with <i>C</i> -Nucleophiles. Molecular and Crystal Structure of (<i>Z</i>)-2-{Benzo[<i>cd</i>]indol- 2(1 <i>H</i>)-ylidene}-2-(4-phenylthiazol-2-yl)acetonitrile <i>V. D. Dyachenko, A. Yu. Kashner, and Yu. V. Samusenko</i>	259
Synthesis of 5-Aryl-4-aroyle-3-hydroxy-1-(4-guanidylsulfonylphenyl)-3-pyrrolin-2-ones <i>V. L. Gein, I. V. Kovtonogova, O. V. Bobrovskaya, and M. I. Vakhrin[†]</i>	264
Antiradical Activity of 2-Substituted 4-(1,3-Thiazol-4-yl)-1,2-dihydroxybenzenes <i>V. V. Odaryuk, N. M. Khlestov, N. I. Burakov, L. V. Kanibolotskaya, I. D. Odaryuk, and A. N. Shendrik</i>	268

Protonation Direction of 3-Allylthio[1,2,4]triazino[5,6- <i>b</i>]indole and 3-Methyl[1,3]thiazolo[3',2':2,3][1,2,4]triazino[5,6- <i>b</i>]indole <i>A. V. Rybakova, D. G. Kim, and V. V. Sharutin</i>	272
Regiospecific Addition of Methylchlorosilane to Styrene <i>Yu. V. Frantsuzova, Yu. V. Khoroshavina, and G. A. Nikolaev</i>	277
Reaction of Tetrachlorogermane with Thienyl- and Phenylchlorosilanes in Presence of Aluminum Chloride. Synthesis of Thienylchlorogermanes <i>V. G. Lakhtin, M. I. Vorob'eva, E. G. Gordeev, V. N. Ushakov, A. D. Kirillin, V. G. Bykovchenko, N. A. Golub, and E. A. Chernyshev</i>	280
Sinergetic Membrane Extraction of Lithium Ions with New Organophosphorus Carriers <i>A. R. Garifzyanov, N. V. Davletshina, A. R. Garipova, and R. A. Cherkasov</i>	285
Synthesis and Structure of Phosphorylated Acetals <i>L. I. Vagapova, D. R. Sharafutdinova, O. B. Bazanova, Yu. K. Voronina, D. B. Krivolapov, A. R. Burirov, I. Kh. Rizvanov, and M. A. Pudovik</i>	289
Chemical Modification of Tetraene Macrolide Antibiotic Nystatin A ₁ with Organophosphorus Alcohols <i>V. V. Belakhov, Yu. D. Shenin, A. V. Dogadina, D. V. Aleshunina, and B. I. Ionin[†]</i>	295
Effect of Solvents on the Rate of Epoxidation of α -Pinene and Δ^3 -Carene with Peroxydecanoic Acid <i>V. S. Dutka, R. G. Makitra[†], Yu. V. Dutka, E. Ya. Pal'chikova, and N. V. Matsyuk</i>	298
Macrocyclic Derivatives of Isosteviol with Two Tetracyclic Diterpenoid Skeletons <i>O. V. Andreeva, V. M. Babaev, I. Kh. Rizvanov, I. Yu. Stroykina, and V. E. Kataev</i>	304
Hydrochemical Oxidation of Sulfonated Derivatives of Lignin <i>T. N. Lugovitskaya, K. N. Bolatbaev[†], and S. S. Naboichenko</i>	309
Preparation and Properties of Antimony(III) Polyfluoroalkoxides <i>S. V. Kudashev, U. R. Urmantsev, B. V. Tabaev, V. F. Zheltobryukhov, T. I. Danilenko, V. M. Dronova, K. R. Shevchenko, and O. A. Barkovskaya</i>	313
Structural Peculiarities of Macrocyclic Chelates, Products of Self-Assembly in the M(II) Ion–2-Amino-2-thioheptanoic Acid–Guanidine–Formaldehyde System, as Shown by Quantum-Chemical Simulation <i>O. V. Mikhailov and D. V. Chachkov</i>	315
Complex Formation between Zinc(II) Tetrphenylporphyrinate and Alkylamines <i>V. P. Andreev, P. S. Sobolev, D. O. Zaitsev, and V. A. Tafenko</i>	320
Charge-Transfer Complex of 4-Cyano-5,6-diphenylpyridazine-3(2)selenone with Picric Acid: Infrared, Raman, Spectrophotometric, and Photostability Studies <i>Moamen S. Refat and Shams H. Abdel-Hafez</i>	326

Letters to the Editor

Microwave-Assisted Synthesis of Biphenyl-4,4'-dicarboxylic Acid Arylhydrazones in Water Medium <i>V. V. Yurachka, L. I. Yuzhik, V. A. Tarasevich, V. E. Agabekov, and V. K. Ol'khovik</i>	335
New Heterocycles Based on Tetramethylol Glycoluril <i>L. K. Salkeeva, A. K. Shibaeva, A. A. Bakibaev, E. K. Taishibekova, E. V. Minaeva, A. A. Zhortarova, and A. K. Sal'keeva</i>	338
Aroxyprotatrans: Aroxy Derivatives of Tris-(2-hydroxyethyl)ammonium <i>M. G. Voronkov, S. N. Adamovich, and I. A. Ushakov</i>	340
Azomethines Based on <i>O</i> -Phosphorylated Derivatives of Salicylaldehyde and <i>ortho</i> -/ <i>para</i> -Aminophenols <i>R. Kh. Bagautdinova, M. A. Pudovik, A. P. Vanichkina, and A. R. Burirov</i>	343

Supplement: *Rossiiskii Khimicheskii Zhurnal*– *Zhurnal Rossiiskogo Khimicheskogo Obshchestva im. D.I. Mendeleeva* (*Russian Chemistry Journal*)

Application of Monoclonal Antibodies for the Diagnostic and Therapeutic Targeting of Human Tumors with a Necrotic Component <i>M. H. Parseghian, E. Mechetner, M. S. Osidak, and S. P. Domogatskii</i>	345
---	-----

Development and Application of Targeted Therapeutic Protein Conjugates <i>A. V. Maksimenko</i>	357
Role of Macromolecular Interactions of Pharmaceutically Acceptable Polymers in Functioning Oral Drug Delivery Systems <i>R. I. Moustafine</i>	364
Collagen—A Biomaterial for Delivery of Growth Factors and Tissue Regeneration <i>E. O. Osidak, M. S. Osidak, M. A. Akhmanova, and S. P. Domogatskii</i>	368
Detonation Diamond—A Perspective Carrier for Drug Delivery Systems <i>R. Yu. Yakovlev, A. S. Solomatin, N. B. Leonidov, I. I. Kulakova, and G. V. Lisichkin</i>	379
Targeted Transport of Drugs by Iron Oxide Nanoparticles <i>N. L. Shimanovskii</i>	391
Design of Pharmaceutical Cocrystals for Drug Solubility Improvement <i>G. L. Perlovich and A. N. Manin</i>	407
