

Contents

Vol. 87, No. 5, 2017

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

Structure, Magnetic, and Electrical Properties of Bismuth Niobates Doped with <i>d</i> -Elements: XVI. Magnetic Properties of Manganese-Containing Solid Solutions of Bismuth Orthoniobate BiNiO ₄ <i>N. V. Chezina, D. A. Korolev, A. V. Fedorova, N. A. Zhuk, V. A. Butin, V. P. Lutoev, B. A. Makeev, S. S. Shevchuk, and A. N. Nizovtsev</i>	899
Special Features of Preparation of Nanosized Zirconium Diboride Powders of Various Dispersity <i>A. G. Burlakova, S. E. Kravchenko, I. A. Domashnev, A. A. Vinokurov, S. E. Nadkhina, L. S. Volkova, and S. P. Shilkin</i>	906
Modification of Magnesium Silicate with 15(2)-Methyl Ester of 13(1),17(3)-Diamino- <i>N,N'</i> -bis(2-hydroxyethyl)-13(1),17(3)-dioxochlorin <i>e</i> ₆ <i>I. V. Loukhina, I. S. Khudyaeva, A. Yu. Bugaeva, B. N. Dudkin, and D. V. Belykh</i>	912
Cyclophanes: Simulation of the Formation Enthalpy by Quantum-Chemical Methods <i>E. A. Zauer</i>	918
X-Ray Emission Spectroscopy and Theoretical Study of the Electronic Structure of Hexamethyldisiloxane and Octamethylcyclotetrasiloxane <i>T. N. Danilenko, M. M. Tatevosyan, and V. G. Vlasenko</i>	923
Electrochemical Amination of Benzene in Aqueous-Acetic Solutions of Sulfuric Acid <i>Yu. A. Lisitsyn and A. V. Sukhov</i>	929
The Interaction of Low- and Medium-Chlorinated Biphenyls with Sodium Methoxide with the Account for Thermodynamic Modeling <i>K. A. Plotnikova, T. I. Gorbunova, M. G. Pervova, T. V. Kulikova, A. V. Maiorova, V. I. Saloutin, and O. N. Chupakhin</i>	934
Synthesis and Physico-Chemical Properties of Ionic Liquids— 3-Methyl-1-alkyloxycarbonylmethylpyridinium Hexafluorophosphates <i>O. E. Zhuravlev and L. I. Voronchikhina</i>	940
Luminescence and Photochemical Properties of Hydrazones of Aromatic Aldehydes <i>L. D. Popov, V. S. Orekhovskii, Yu. V. Revinskii, E. N. Shepelenko, S. A. Borodkin, and I. V. Koretskii</i>	945
Synthesis of 4-Hydroxy-5-methyl-2-[2-(4-oxo-4 <i>H</i> -chromen-3-yl)ethenyl]-6 <i>H</i> -1,3-oxazin-6-ones and Their Reaction with Hydrazine <i>N. M. Chernov, A. S. Klyukin, G. V. Ksenofontova, A. E. Shchegolev, and I. P. Yakovlev</i>	952
Synthesis of Podands Modified with Thiosemicarbazide and Fluoroalkyl(hydroxy)pyrazoline Fragments <i>V. I. Filyakova, P. A. Slepukhin, N. S. Boltacheva, E. B. Letova, and V. N. Charushin</i>	957
Efficient Synthesis of Bis(1,5,3-dithiazepanes). Sorption of Palladium(II) from Nitric Acid Solutions <i>G. R. Khabibullina, T. M. Buslaeva, E. S. Fedotova, V. R. Akhmetova, and A. G. Ibragimov</i>	963
Synthesis of Acyclic Three-Unit Products with 3-Alkyl-1,3,4-thiadiazoline Fragments <i>M. A. Tyutina, T. V. Kudayarova, and E. A. Danilova</i>	969
Functionalization of 5-(4-Alkoxybenzyl)-4- <i>R</i> -4 <i>H</i> -1,2,4-triazole-3-thiols. Synthesis of Novel DNA Methylation Inhibitors <i>M. R. Hakobyan, T. R. Hovsepyan, L. E. Nersesyan, A. S. Agaronyan, I. S. Danielyan, R. V. Paronikyan, and N. S. Minasyan</i>	973
Photostability and Fluorescence Parameters of Porphyrinoids: The Effect of the Macrocyclic Structure and the Medium <i>D. B. Berezin, A. E. Likhonina, I. N. Serov, and V. G. Andrianov</i>	979

Reactions of <i>N</i> -(2,2-Dichloro-1-cyanoethenyl)- <i>N'</i> -methyl(phenyl)ureas with Aliphatic Amines <i>S. A. Chumachenko, M. V. Kachaeva, O. V. Shablykin, E. B. Rusanov, and V. S. Brovarets</i>	985
Synthesis of Chiral Phosphonobenzaldehydes and Phosphonotyrosine <i>A. O. Kolodyazhna, E. V. Grishkun, and O. I. Kolodyazhnyi</i>	991
Carboxyl Derivatives of Phosphazenes <i>E. M. Chistyakov, D. V. Panfilova, and V. V. Kireev</i>	997
Synthesis and Complex Formation of Spirobenzopyranindolines Containing Rhodamine Fragment <i>E. V. Solovyova, I. A. Rostovtseva, K. E. Shepelenko, N. A. Voloshin, A. V. Chernyshev, G. S. Borodkin, A. V. Metelitsa, and V. I. Minkin</i>	1007
Dinuclear Copper(I) Complexes with Substituted Benzimidazole Ligands. Synthesis and Photo- and Electroluminescent Properties <i>A. I. Ilicheva, L. N. Bochkarev, and V. A. Ilichev</i>	1015
Electrochemical Synthesis of Anhydrous Luminescent Tb ³⁺ Complexes with Aromatic and Heterocyclic Carboxylic Acids <i>M. A. Nazarenko, A. I. Oflidi, F. A. Kolokolov, and V. T. Panyushkin</i>	1022
Interaction of Ferrocene with Styrene and Methyl Methacrylates in the Media of Different Polarity <i>Yu. I. Puzin, S. I. Kuznetsov, and A. A. Golovanov</i>	1026
Complex Formation of Daunomycin with Poly(vinylpyrrolidone) and Poly(ethylene glycol) <i>L. N. Borovikova, A. V. Titova, A. I. Kipper, and O. A. Pisarev</i>	1031
Effect of Ferrocene on the Synthesis of Graft Copolymers of Vinylpolysiloxane and Styrene <i>E. A. Masloborodova, E. V. Kaganova, N. S. Gusakova, L. V. Agibalova, E. Yu. Maretina, I. V. Baranets, and R. M. Islamova</i>	1038
Kinetic Features of the Reaction of Polyvinyl Alcohol with Epichlorohydrin in an Alkaline Medium <i>M. V. Semenova, Ya. O. Mezhev, S. V. Osadchenko, and M. I. Shtil'man</i>	1047
Synthesis of <i>N</i> -Methylpiperidin-4-one Derivatives and Evaluation of Their Anti-Endometrial Cancer Activity <i>Gui-Hua Lai, Yu-Lan Huang, and Bai-Yu Zhang</i>	1053
Synthesis and Molecular Docking Studies of Novel 2-Phenyl-4- {4-[(1-phenyl-1 <i>H</i> -1,2,3-triazol-4-yl)methoxy]benzylidene} oxazol-5(4 <i>H</i>)-one Derivatives <i>B. Sathish Kumar and P. V. Anantha Lakshmi</i>	1057
One-Pot Synthesis of Some 2-Amino-4 <i>H</i> -chromene Derivatives Using Triethanolamine as a Novel Reusable Organocatalyst under Solvent-Free Conditions and Its Application in Electrosynthesis of Silver Nanoparticles <i>B. Maleki, M. Baghayeri, S. Sheikh, S. Babaei, and S. Farhadi</i>	1064
An Efficient Green Approach to Aldol and Cross-Aldol Condensations of Ketones with Aromatic Aldehydes Catalyzed by Nanometasilica Disulfuric Acid in Water <i>A. Nakhaei, A. Morsali, and A. Davoodnia</i>	1073
Cyclopropyl-Containing Sulfonyl Amino Acids: Exploring the Enantioseparation Through Chiral Ligand-Exchange Chromatography <i>R. Sardella, F. Ianni, L. Pucciarini, M. Marinozzi, S. S. Zlotskii, and B. Natalini</i>	1079
Porous Hierarchical Magnesium Oxide-Based Heterogeneous Catalyst for the Knoevenagel Condensation <i>K. Deilami and S. Sayyahi</i>	1085
Physicochemical, Spectroscopic, and Anti-Tumor Studies of Cefradine Complexes with Ca(II), Zn(II), Fe(III), Au(III), and Pd(II) Ions <i>F. A. I. Al-Khodir and M. S. Refat</i>	1087

Letters to the Editor

Synthesis of Bimetallic Nanoparticles Based on Cobalt and Nickel. Effects of Their Composition and Structure on Catalytic and Magnetic Properties <i>S. V. Kotel'nikova, V. V. Suslonov, N. P. Bobrysheva, M. G. Osmolowsky, and O. M. Osmolowskaya</i>	1093
---	------

Pseudo-Topochemical Synthesis of Iron(0) in Aqueous Solution Containing Dispersed Titanium <i>A. F. Dresvyannikov and M. E. Kolpakov</i>	1095
Alkylation of CH Acids with Haloidalkyl-1,3-dioxolanes <i>G. Z. Raskil'dina, Yu. G. Borisova, L. V. Spirikhin, and S. S. Zlotsky</i>	1097
Reactions of Phosphorylated 2,6-Di- <i>tert</i> -butyl-4-methylenecyclohexa-2,5-dien-1-ones with Aliphatic, Aromatic, and Heteroaromatic Thiols <i>M. B. Gazizov, A. L. Pistsova, R. K. Ismagilov, L. P. Shamsutdinova, R. F. Karimova, and R. N. Burangulova</i>	1101

Errata

Erratum to: "Amberlite-Supported L-Proline: A Novel Heterogeneous Organocatalyst for the Three-Component Synthesis of 4 <i>H</i> -Pyrano[2,3- <i>c</i>]pyrazole Derivatives" [<i>Russian Journal of General Chemistry</i> 87 (3), 539–545 (2017)] <i>S. Nazari and M. Keshavarz</i>	1104
---	------
