

Contents

Vol. 87, No. 10, 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: XVII. Magnetic Properties of $\text{Bi}_5\text{Nb}_{3-3x}\text{Mn}_{3x}\text{O}_{15-\delta}$ Solid Solutions <i>N. V. Chezhina, D. A. Korolev, A. V. Fedorova, N. A. Zhuk, M. V. Filippova, L. S. Feltsinger, V. P. Lutoev, B. A. Makeev, S. S. Shevchuk, and A. N. Nizovtsev</i>	2251
Solid-Phase Synthesis of Nanocrystalline Lanthanum Zirconate Using Mechanical Activation <i>A. M. Kalinkin, A. V. Usoltsev, E. V. Kalinkina, V. N. Nevedomskii, and O. F. Zalkind</i>	2258
Stability of Tetraoxides of Chemical Elements <i>V. P. Shilov, A. M. Fedoseev, and A. V. Gogolev</i>	2265
Preparation of Phthalates via Carbonylation of <i>o</i> -Dibromobenzenes in Solutions of Pd Catalysts and Reactivity of Ar–Br Bonds <i>A. R. Elman, A. M. Perepukhov, L. V. Ovsyannikova, and A. V. Maksimych</i>	2269
Colloid and Nanosized Catalysts in Organic Synthesis: XVI. Continuous Hydrogenation of Carbonitriles Catalyzed by Nickel Nanoparticles Applied on a Support <i>Yu. V. Popov, V. M. Mokhov, S. E. Latyshova, D. N. Nebykov, A. O. Panov, and M. Yu. Pletneva</i>	2276
Formation of Pyrrolinium Derivatives in the Bromination Reaction of <i>N,N</i> -Dipropargyl Ammonium Salts <i>A. Kh. Gyulnazaryan, T. A. Sahakyan, R. A. Tamazyan, A. G. Ayyazyan, G. A. Panosyan, and A. B. Yeremyan</i>	2282
Thermal Decomposition of 1-Alkyl-3-methylpyridinium Based Ionic Liquids <i>E. S. Sashina, D. A. Kashirskii, and A. Yu. Chizhova</i>	2287
Synthesis, Structure, and Antimicrobial Activity of Methyl (4-Alkanoyl-3-hydroxy-1,5-diaryl-1 <i>H</i> -pyrrol-2-yl)acetates <i>P. P. Mukovoz, P. A. Slepukhin, O. S. El'tsov, I. N. Ganebnykh, A. V. Gorbunova, A. N. Sizentsov, and M. L. Rusaeva</i>	2291
Synthesis and Biological Activity of Hydrazones of <i>o</i> - and <i>p</i> -Hydroxybenzoic Acids. Spatial Structure of 5-Bromo-2-hydroxybenzylidene-4-hydroxybenzohydrazide <i>O. A. Nurkenov, Zh. B. Satpaeva, I. A. Schepetkin, A. I. Khlebnikov, K. M. Turdybekov, T. M. Seilkhanov, and S. D. Fazylov</i>	2299
Acylation of Pyrazolo[3,4- <i>d</i>][1,2,3]triazin-4-ones <i>A. O. Gurenko, S. V. Klyuchko, O. V. Shablykin, and V. S. Brovarets</i>	2307
Reactions of Diphenyl- and Diethylphosphinodithioic Acids with <i>N</i> -Alkyl-2-haloaldimines in the Synthesis of New P,S- and N,P,S-Containing Organic Compounds <i>R. A. Khairullin, M. B. Gazizov, Yu. S. Kirillina, and N. Yu. Bashkirtseva</i>	2313
Physicochemical Properties of Compounds of Alkyl Sulfates and Cationic Copper(II) Complexes with Some Organic Reagents <i>N. M. Makarova, E. G. Kulapina, and A. A. Skaptsov</i>	2320
Features of Chitosan Interaction with Copper(II) and Cobalt(II) Tetrasulfophthalocyanines <i>N. Sh. Lebedeva, Yu. A. Gubarev, E. S. Yurina, A. I. Vyugin, and I. M. Lipatova</i>	2327
Complexes of Cu(I) and Pd(II) with (+)-Camphor and (–)-Cavrone Thiosemicarbazones: Synthesis, Structure, and Cytotoxicity of the Pd(II) Complex <i>T. E. Kokina, L. A. Sheludyakova, Yu. A. Eremina, E. V. Vorontsova, L. A. Glinskaya, D. A. Piryazev, E. V. Lider, A. V. Tkachev, and S. V. Larionov</i>	2332

Copper, Cobalt, and Nickel Complexes with Unsymmetrical Porphyrazines Based on 3,6-Di(hexadecyloxy)phthalonitrile and Anthraquinone-2,3-dicarboxylic Imide. Synthesis and Spectral Properties <i>A. V. Borisov, D. E. Efimov, N. E. Galanin, and G. P. Shaposhnikov</i>	2343
Ceramic Composite [78ZrO ₂ -21CeO ₂ -Y ₂ O ₃]/La _{0.85} Y _{0.15} Al ₁₁ O ₁₈ /Al ₂ O ₃ . Microstructure and Properties <i>A. Yu. Bugaeva, I. V. Loukhina, V. N. Filippov, and B. N. Dudkin</i>	2351
Preparation and Catalase Activity of Gold-Ceria Composites <i>A. N. Eryomin, A. V. Abakshonok, V. E. Agabekov, and A. A. Kvasyuk</i>	2358
Size Crystallographic Effects for Silver and Gold Nanoparticles Dispersed in a Biopolymer Matrix <i>G. P. Aleksandrova, A. N. Sapozhnikov, B. G. Sukhov, and B. A. Trofimov</i>	2369
Synthesis of Organic-Inorganic Sorbent Containing Phenylboronic Acid as Glucose-Binding Ligand <i>A. R. Groshikova, R. Ya. Medvedev, and E. F. Panarin</i>	2376
Synthesis, Spectroscopic Characterization, and Biological Screening of Levofloxacin Based Organotin(IV) Derivatives <i>A. Munir, M. Sirajuddin, M. Zubair, A. Haider, S. A. Tirmizi, S. Ali, H. Khan, K. Ullah, and I. Aziz</i>	2380
Synthesis of Some New Thiazole Derivatives and Their Cytotoxicity on Different Human Tumor Cell Lines <i>A. M. Mohamed, N. A. Abdel-Hafez, A. F. Kassem, E. M. H. Abbas, and M. M. Mounier</i>	2391
A Series of Pyridines and Pyridine Based Sulfa-Drugs as Antimicrobial Agents: Design, Synthesis and Antimicrobial Activity <i>H. A. El-Sayed, A. H. Moustafa, A. E. El-Torky, and E. A. Abd El-Salam</i>	2401
Synthesis, Characterization, and Biological Activity of Organotin(IV) Complexes with 4-Oxo-4-[3-(trifluoromethyl)phenylamino]butanoic Acid <i>F. Javed, S. Ali, S. Shahzadi, S. K. Sharma, K. Qanungo, K. S. Munawar, and I. Khan</i>	2409
Synthesis of Pyrazole-Substituted Chromene Analogues with Selective Anti-Leukemic Activity <i>G. Madhu, M. Sudhakar, K. Santosh Kumar, G. Rajashekher Reddy, A. Sravani, K. Ramakrishna, and Ch. Prasad Rao</i>	2421
Synthesis of Some New Heterocycles Containing Quinazoline Moiety <i>F. Tajfirooz, A. Davoodnia, M. Pordel, M. Ebrahimi, and S. A. Beyramabadi</i>	2429
Preparation, Characterization, and First Catalytic Application of a Novel Phosphotungstic Acid-Containing Ionic Liquid Immobilized on CuFe ₂ O ₄ @SiO ₂ Magnetic Nanoparticles in the Synthesis of 1 <i>H</i> -Pyrazolo[1,2- <i>b</i>]phthalazine-5,10-diones <i>N. Hosseininasab, A. Davoodnia, F. Rostami-Charati, and A. Khojastehnezhad</i>	2436
Synthesis and Antiviral Activity of 1,2,3-Triazole Glycosides Based Substituted Pyridine via Click Cycloaddition <i>W. A. El-Sayed, H. S. Khalaf, S. F. Mohamed, H. A. Hussien, O. M. Kutkat, and A. E. Amr</i>	2444
Design and Synthesis of New 1,2,3-Triazole-pyrazole Hybrids as Antimicrobial Agents <i>S. Pervaram, D. Ashok, B. A. Rao, M. Sarasija, and C. V. R. Reddy</i>	2454
Synthesis and Reactions of Some Novel 1-(2,7-Dimethyl-1,8-naphthyridin-4-yl)hydrazine Candidates <i>N. M. Khalifa, M. A. Al-Omar, and N. S. Ahmed</i>	2462
Synthesis and Characterization of Novel Pyran and Pyranopyrimidines Linked 8-Hydroxy-7-iodoquinoline-5-sulfonamide Derivatives <i>M. A. Al-Omar, N. M. Khalifa, and A. E. Amr</i>	2467

Letters to the Editor

Synthesis of Isomerically Pure δ-Chloro-γ-vinylketones <i>R. N. Shakhmaev, A. Sh. Sunagatullina, R. M. Alieva, and V. V. Zorin</i>	2472
Three-Component Synthesis of 5-Aryl-3-amino-1 <i>H</i> -pyrazole-4-carbonitriles and 3-Amino-1,2-diazaspiro[4.5]dec-3-ene-4-carbonitriles <i>M. A. Ivonin, O. Yu. Bychok, N. V. Safarova, and V. V. Sorokin</i>	2477
Synthesis of New Substituted 5-Amino-1 <i>H</i> -imidazole-4-carbonitriles <i>S. A. Chumachenko, O. V. Shablykin, E. B. Rusanov, V. V. Sukhoveev, and V. S. Brovarets</i>	2481

2-Pyrrolidones Containing Pyridine and Benzimidazole: Synthesis and Structure <i>N. V. Gorodnicheva, O. S. Vasil'eva, E. S. Ostroglyadov, and S. V. Makarenko</i>	2486
Synthesis of Prolyl-Glutamate Phosphoisostere <i>M. E. Dmitriev, A. V. Vinyukov, B. V. Lednev, and V. V. Ragulin</i>	2489
Conformational States and Crystal Structure of <i>N</i> -Formylcytisine <i>K. M. Turdybekov, I. V. Kulakov, D. M. Turdybekov, and A. S. Mahmutova</i>	2493
Fullerene C ₆₀ Derivatives as Efficient Sensitizers of Oxidation under the Mild Conditions of Atmospheric Air <i>R. N. Malikova, I. M. Sakhautdinov, S. M. Ishbaeva, and M. S. Yunusov</i>	2497
Fixation of Fe(IV) and Fe(III) in CrO ₂ Hydrothermal Nanoparticles <i>N. P. Bobrysheva, V. V. Panchuk, V. G. Semenov, O. M. Osmolovskaya, and M. G. Osmolowsky</i>	2500
Synthesis and Study of Aggregative Stability of Fe ₃ O ₄ @SiO ₂ Core-Shell Nanoparticles in Aqueous Solutions <i>E. G. Zemtsova, A. N. Ponomareva, L. F. Galliulina, A. N. Zhukov, and V. M. Smirnov</i>	2503
Valence of an Atom and Bond Indices in the Relativistic Theory of Electronic Structure of Chemical Compounds <i>S. G. Semenov and A. V. Titov</i>	2505
