

Contents

Vol. 86, No. 7, 2016

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

Solubility of <i>d</i> -Elements Salts in Organic and Aqueous-Organic Solvents:	
III. Influence of Intermolecular Association on Solubility of Cadmium Bromide and Iodide <i>N. A. Bogachev, A. O. Gorbunov, A. B. Nikolskii, and M. Yu. Skripkin</i>	1539
Synthesis and Properties of Double Copper(I)-Nickel(II) Sulfite <i>E. A. Chalaya, A. G. Tyurin, M. V. Vasekha, and A. I. Biryukov</i>	1545
Atom States and Interatomic Interactions in Perovskite-Like Oxides: XXXV. Magnetic Properties of Solid Solutions of Lanthanum Manganites Doped with Ytterbium and Calcium in LaAlO ₃ <i>A. V. Fedorova, N. V. Chezhina, and K. Yu. Sukhenko</i>	1552
Promoting Non-Transition Metal Alkylation with Organic Halides in the Presence of Binary Systems Based on an Organometallic Compound and a Transition Metal Compound: VIII. Selectivity of the Binary Systems Action <i>I. V. Eremeev</i>	1558
Promoting Non-Transition Metal Alkylation with Organic Halides in the Presence of Binary Systems Based on an Organometallic Compound and a Transition Metal Compound: IX. Alkylation of Aluminum and Concluding Remarks <i>I. V. Eremeev</i>	1563
(4-Arylsulfamoyl)phenylcarbamic Acid Esters: I. Synthesis and Activity Against Herpes Viruses <i>V. I. Krutikov, A. V. Erkin, V. V. Tets, and A. A. Shmarov</i>	1567
Features of Reactions of (<i>E</i>)-1-(β -Aroylvinyl)pyridinium Bromides with Binucleophiles <i>R. Dzh. Khachikyan, Z. G. Ovakimyan, G. A. Panosyan, R. A. Tamazyan, and A. G. Ayvazyan</i>	1574
2-Hetarylimidazoles Quaternization <i>M. M. El'chaninov, A. A. Aleksandrov, and V. A. Klushin</i>	1581
Synthesis and Properties of 4-Phosphorylated Derivatives of 5-Hydroxyalkylamino-1,3-oxazoles <i>E. R. Abdurakhmanova, E. I. Lukashuk, A. V. Golovchenko, and V. S. Brovarets</i>	1584
Synthesis of New 1,3-Thiazole Derivatives from 2(5)-Hydroxyalkyl-1,3-thiazole-5(2)-carbaldehydes <i>V. O. Sinenko, S. R. Slivchuk, S. G. Pil'o, G. F. Raenko, and V. S. Brovarets</i>	1597
Synthesis of 6-Methyl-2-[2-phenyl-2-(arylhydrazono)ethyl]-3 <i>H</i> -pyrimidine-4-ones and Their Oxidation by Hydrogen Peroxide and Selenium Dioxide <i>A. A. Yarovetskii, S. M. Phuzhnik-Gladyr, Yu. E. Ivanov, D. E. Stepanov, L. V. Grishchuk, and G. L. Kamalov</i>	1604
Multicomponent Cyclothiomethylation of Phenylenediamines and 4,4'-Diaminodiphenyls with Formaldehyde and 1,2-Ethanedithiol <i>G. R. Khabibullina, E. S. Fedotova, G. R. Anpilogova, V. R. Akhmetova, and A. G. Ibragimov</i>	1608
Quinolines Synthesis by Reacting 1,3-Butanediol with Anilines in the Presence of Iron Catalysts <i>R. I. Khusnutdinov, A. R. Bayguzina, and R. I. Aminov</i>	1613
Synthesis and Structure of Amides of 4-Aryl(hetaryl)-2-pyrrolidone-3-carboxylic Acids <i>N. V. Gorodnicheva, E. S. Ostrogladov, O. S. Vasileva, V. V. Pelipko, O. V. Konarova, and V. M. Berestovitskaya</i>	1619
3-(Furyl)-3-(diethoxyphosphoryl)acrylates: Synthesis and Reaction with Nitromethane <i>L. M. Pevzner</i>	1624
Reaction of Trichlorides of Phosphono Carboxylic Acids with Acetylacetone, Acetoacetic Ester, and Phenols <i>V. M. Ismailov, N. N. Yusubov, N. D. Sadykhova, I. A. Mamedov, and A. R. Mamedbekova</i>	1630

Selective and Thermodynamic Properties of Supramolecular Liquid-Crystalline Derivatives of Azobenzene and Biphenyl as Stationary Phases for Gas Chromatography <i>S. A. Kuvshinova, K. M. Litov, G. V. Kuvshinov, I. V. Novikov, V. V. Aleksandriiskii, V. A. Burmistrov, and O. I. Koifman</i>	1633
Synthesis and Study of (Hexacaprolactam)trionium Dodecamolybdophosphate ($C_6H_{11}NO)_6H_3[PMo_{12}O_{40}]$ <i>G. Z. Kaziev, A. F. Stepnova, P. V. Dorovatovskii, S. H. Quinones, Ya. V. Zubavuchus, V. N. Khrustalev, and L. K. Vasyanina</i>	1641
Lability of Spin State of Fe(III) Complexes with Tetridentate Schiff's Bases <i>T. A. Ivanova, L. V. Mingalieva, I. V. Ovchinnikov, O. A. Turanova, G. I. Ivanova, and I. F. Gilmutdinov</i>	1647
Synthesis and Structure of Silver Complexes $[Ph_3(i\text{-}Pr)P]_2^+[Ag_2I_4]^{2-}$ and $[Ph_3MeP]_n^+[Ag_3I_4]^-$ <i>V. V. Sharutin, O. K. Sharutina, V. S. Senchurin, and A. N. Neudachina</i>	1653
Azomethine Imines of Pyrazolidone Series and Their Bis-chelate Ni(II), Zn(II), Cd(II) Complexes. Quantum Chemical Simulation <i>N. N. Kharabayev, O. S. Popova, D. V. Bren, and V. I. Minkin</i>	1659
Structure and Magnetic Properties of 2,4,6,8-Tetra(<i>tert</i> -butyl)phenoxazin-1-one Adducts with Cobalt(II) Salts <i>E. P. Ivakhnenko, Yu. V. Koshchienko, A. V. Chernyshev, P. A. Knyazev, T. E. Ivakhnenko, and K. A. Lyssenko</i>	1664
Spectral Parameters of Derivatives of Methylpheophorbide <i>a</i> and Chlorin <i>e</i> ₆ , and Their Complex Formation with Cu(II): The Effects of Structural Fragments of the Molecules and the Solvent Nature <i>D. B. Berezin, V. V. Makarov, T. A. Plotnikova, S. O. Kruchin, R. S. Kumeev, Yu. V. Romanenko, I. S. Khudyayeva, and D. V. Belykh</i>	1671
Phenylsulfanyl(fluoro)-Substituted Phthalocyanine Nickel Complexes: Synthesis and Self-Association <i>A. I. Koptyaev, N. E. Galanin, and G. P. Shaposhnikov</i>	1679
Computer Simulation of Size Effects and Adsorption Properties of One-Wall Carbon Nanotubes (6,6) <i>L. S. Nechaeva, E. V. Butyrskaya, and S. A. Zapryagaev</i>	1684
Complexation Study of 4,13-Didecyl-1,7,10,16-tetraoxa-4,13-diazacyclooctadecane (Kryptofix 22DD) with the Co ²⁺ , Cr ³⁺ , Ti ⁺ , and UO ₂ ²⁺ Cations in Acetonitrile, Methanol, and Their Binary Mixtures <i>S. Mirgholizadeh, G. H. Rounaghi, M. H. Arbabzavar, and N. Asefi</i>	1692
Magnetically-Recoverable Carbonaceous Material: An Efficient Catalyst for the Synthesis of 5-Hydroxymethylfurfural and 5-Ethoxymethylfurfural from Carbohydrates <i>Y. Yao, Z. Gu, Y. Wang, H.-J. Wang, and W. Li</i>	1698
Synthesis and Antimicrobial Evaluation of Tricyclic Macrocycles Containing a Chalcone Moiety <i>A. Dongamanti, V. K. Aamate, S. Gundu, and M. G. Devulapally</i>	1705
Synthesis, Antimicrobial Evaluation, and Docking Studies of Some Novel Benzofuran-Based Analogues of Chalcone and 1,4-Benzodiazepine <i>B. Shankar, P. Jalapathi, M. Ramesh, A. Kishore Kumar, M. Ragavender, and G. Bharath</i>	1711
Facile Synthesis of Novel (1-Aryl/alkyl-1 <i>H</i> -1,2,3-triazol-4-yl)methyl-2-bromo-4-methylthiazole-5-carboxylates by Cu(I) Catalyzed Click Reaction <i>K. Sudhakar, G. Thirupathi, A. Balakishan, S. Narsima chary, and S. Ravi</i>	1722
Sc(OTf) ₃ Catalyzed Synthesis of Novel 6-Phenyl-6 <i>H</i> -chromeno[4,3- <i>b</i>]quinolines and Evaluation of Their Cytotoxicity <i>Y. Jayaprakash Rao, E. Pravardhan Reddy, G. Thirupathi, E. Yadaiah goud, M. Sowjanya, and Y. Hemasri</i>	1730
Ultrasound-Assisted Synthesis of Pyrazolo[1,2- <i>b</i>]phthalazines and Dihydrospiro[indoline-3,1'-pyrazolo[1,2- <i>b</i>]phthalazines] Using TBAF as an Efficient Phase-Transfer Catalyst <i>H. Kefayati, A. Delafrooz, and S. Homayoon</i>	1735

Synthesis of Novel 2-Phenoxybenzo[<i>g</i>][1,2,4]triazolo[1,5- <i>a</i>]quinazoline and Its Derivatives Starting with Diphenyl- <i>N</i> -cyanoimidocarbonate <i>R. A. Al-Salahi and M. S. Marzouk</i>	1741
Synthesis and Characterization of Green-Emitting Phosphorescent Ir(III) Complexes Based on Phenyl Benzimidazole Ligand <i>Meijuan Lin, Qiang Tang, Huijuan Zeng, Guang Xing, and Qidan Ling</i>	1747
Microwave Assisted Synthesis of Substituted (Z)-2-{{[1-Phenyl-3-(thiophen-2-yl)-1 <i>H</i> -pyrazol-4-yl]methylene}benzofuran-3(2 <i>H</i>)-ones and Their Antimicrobial Activity <i>D. Ashok, M. Ziauddin, B. Vijaya Lakshmi, and M. Sarasija</i>	1753
Synthesis, Single Crystal X-Ray Analysis, and Antimicrobial Activity of New (22E)- <i>N</i> ^t -(4-Methoxybenzylidene)-2-[3-cyano-7,8-dihydro-4-(5-methylfuran-2-yl)-2-oxo-2 <i>H</i> -pyrano[4,3- <i>b</i>]pyridin-1(5 <i>H</i>)-yl]acetohydrazide <i>A. E. Amr, S. F. Mohamed, M. A. Al-Omar, and H. A. Ghabbour</i>	1758

Letters to the Editor

New Method of Synthesis of Naphthylthioacetic Acids 1-Dialkylamides from 4-(1-Naphthyl)-1,2,3-thiadiazole <i>M. Yekhlef, M. L. Petrov, and L. M. Pevzner</i>	1762
Synthesis, Structure, and Antioxidant Activity of Anabasinium <i>O,O</i> -Dimethylthiophosphate <i>S. K. Kabieva, O. A. Nurkenov, T. M. Seilkhanov, A. A. Bakibaev, A. M. Gazaliev, A. T. Takibaeva, O. A. Voronova, and E. V. Plotnikov</i>	1765
3,5- and 3,6-Disubstituted 3,4-Dihydroquinazolines <i>L. P. Yunnikova and V. V. Esenbaeva</i>	1769
Formation of Tetrakis[tri(2-chloroethyl)phosphate]diaqua cobalt(II) Tetrachlorocobaltate(II) <i>E. G. Zinov'eva, D. A. Bezgin, V. A. Efimov, D. B. Krivolapov[†], R. Z. Musin, and M. N. Dimukhametov</i>	1772
Features of "Secondary" Silica Interaction with Ammonium Molybdate in the Porous Space of High Silica Glass in Acidic Medium <i>T. A. Tsyganova, V. A. Bayanov, D. S. Shevchenko, and O. V. Rakhimova</i>	1774
