

Contents

Vol. 87, No. 4, 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

Complex Amidoboranes $M^2[M^1(NH_2BH_3)_4]$ ($M^1 = Al, Ga$; $M^2 = Li, Na, K, Rb, Cs$) <i>A. M. Chernysheva, P. A. Shelyganov, I. V. Kazakov, and A. Y. Timoshkin</i>	665
Molecular Structure of Hexatomic Heteronuclear (AlFe) Metal Clusters as Determined by the DFT Quantum-Chemical Calculation <i>D. V. Chachkov and O. V. Mikhailov</i>	670
Synthesis of Manganese Oxide Sols by $KMnO_4$ Reduction with Polyvinyl Alcohol in an Aqueous Medium <i>A. I. Ivanets, V. G. Prozorovich, Yu. I. Ryabkov, P. V. Krivoschapkin, and L. L. Katsoshvili</i>	679
Synthesis and Structure of Phosphates $M_{0.5}Ti_2(PO_4)_3$ <i>E. A. Asabina, I. O. Glukhova, V. I. Pet'kov, E. Yu. Borovikova, and A. M. Koval'skii</i>	684
The Effect of the Medium Polarity on the Mechanism of the Reaction of Hydroxybenzenes with Hydrazyl Radical in Aprotic Solvents <i>N. I. Belaya, A. V. Belyj, O. M. Zarechnaya, I. N. Scherbakov, V. M. Mikhalechuk, and V. S. Doroshkevich</i>	690
Interaction of Hydrogen Peroxide and Thiourea or Its Oxides with Terephthalic Acid <i>E. A. Vlasova, A. A. Kuznetsova, E. S. Golovashova, and S. V. Makarov</i>	698
Mechanisms of Elementary Photochemical Reactions of Mercaptanes with Substituted <i>para</i> -Benzoquinones <i>V. I. Porkhun, Yu. V. Aristova, A. V. Arshinov, E. V. Porkhun, and A. N. Sivko</i>	703
Hydroethoxycarbonylation of α -Olefins at Low Pressure of Carbon(II) Oxide in the Presence of the $PdCl_2(PPh_3)_2-PPh_3-AlCl_3$ System <i>Kh. A. Suerbaev, N. Zh. Kudaibergenov, and A. Vavasori</i>	707
Synthesis and Properties of Aminomethoxy Derivatives of 1-(Butylsulfanyl)pentane <i>E. H. Mamedbeyli, I. A. Jafarov, G. M. Talybov, M. A. Mirzoeva, K. O. Iskenderova, and A. N. Hajizade</i>	713
Design and Development of Macrocyclization Methods for Compounds with Potential Tuberculocidal Activity to Decrease CYP450 Liver Cytochrome Inhibition <i>N. I. Vasilevich, E. A. Aksenova, A. A. Aksenova, and I. I. Afanasyev</i>	717
Mechanism of the Zinc-Catalyzed Addition of Azide Ion to Unsaturated Compounds: Synthesis of 5-Substituted 1 <i>H</i> -Tetrazoles from Nitriles and of 1-Substituted 1 <i>H</i> -Tetrazole-5-thiols from Isothiocyanates <i>L. V. Myznikov, S. V. Vorona, T. V. Artamonova, and Yu. E. Zevatskii</i>	731
Synthesis and NMR Spectroscopy of 1,3,3,5,5-Pentaalkoxy-1-chlorocyclotriphosphazenes <i>V. P. Morgalyuk, T. S. Strelkova, A. A. Pavlov, A. G. Buyanovskaya, P. N. Ostapchuk, I. A. Godovikov, and V. K. Brel'</i>	739
Reaction of Chloromethyl Derivatives of Ethyl 3-(Furyl)-3-(diethoxyphosphoryl)acrylates with Sodium Azide and Potassium Thiocyanate <i>L. M. Pevzner and A. I. Ponyaev</i>	743
Reactions of Diiron(III) Tris[(1-hydroxyethylidene)diphosphonate] Tetrahydrate and Iron(III) Tris[(1-hydroxyethylidene)diphosphonate] Tetrahydrate with <i>p</i> -Aminobenzoic Acid. Molecular Structure of Bis(4-carboxyphenylaminium) (1-Hydroxyethylidene)diphosphonate <i>V. V. Semenov, N. V. Zolotareva, and E. V. Baranov</i>	751
Possibilities of Tetra-, Penta-, and Hexacoordination in Quantum-Chemical Simulation of Mechanism of Formation and Stereoisomerization of Bisligand Azomethine Complexes of Zn(II), Cd(II), and Hg(II) <i>N. N. Kharabayev</i>	756

Synthesis, Structure, and Photoluminescence Properties of 4-Methyl- <i>N</i> -{2-([1-alkyl-2-[2-(<i>p</i> -tolylsulfonylamino)phenyl]benzimidazol-5-yl]iminomethyl)phenyl}- benzenesulfonamides and Their Zinc Complexes <i>Yu. V. Koshchienko, A. S. Burlov, N. I. Makarova, V. G. Vlasenko, S. A. Nikolaevskii, M. A. Kiskin, D. A. Garnovskii, A. L. Trigub, and A. V. Metelitsa</i>	764
Water-Soluble Cobalt Phthalocyanines Containing Azo Chromophores <i>T. V. Tikhomirova, A. A. Chesnov, and G. P. Shaposhnikov</i>	773
Reaction of Apple Pectin Modified by Pharmacophores, with Copper(II) Cations <i>O. S. Kukovinets, R. Kh. Mudarisova, A. F. Sagitova, and M. I. Abdullin</i>	778
Physicochemical Properties of Aqueous Solutions of L-Aspartic Acid Containing Chitosan <i>T. N. Lugovitskaya and A. B. Shipovskaya</i>	782
Spectrophotometric Study of Melting of Double Stranded Poly[A]·Poly[U] in the Aqueous Solution <i>A. G. Kudrev</i>	788
Specificities of Using Differential Characteristics of Organic Compounds for Their Group Identification <i>I. G. Zenkevich</i>	795
Simulation and Synthesis of Graphene Oxide from Expanded Graphite <i>M. E. Solov'ev, A. B. Raukhvarber, N. G. Savinskii, and V. I. Irzhak</i>	805
Synthesis of Quinazolines from (2-Aminoaryl)methanols and Arylmethanamines Catalyzed by Rhodium Complex <i>L. Wang, J. Cao, and Z. Li</i>	812
One-Pot Synthesis of 9-Arylxanthenediones and 9-Pyrazoloxanthenediones Using [DBU]OAc <i>M. Nikpassand and L. Zare Fekri</i>	816
NO ₂ -Fe(III)PcCl@C -Catalyzed One-Pot Synthesis of Tetrahydropyridine Derivatives <i>Jiao-dan Wang, Qiao-li Lin, Jun Qiu, Xiao-feng Gou, Cheng-wen Hua, Jun-long Zhao, and Bang Chen</i>	821
Synthesis and Antibacterial Activity of Novel Pyrano[2,3- <i>d</i>]pyrimidine-4-one-3-Phenylisoxazole Hybrids <i>B. S. Kumar, P. V. A. Lakshmi, B. S. Veena, and E. Sujatha</i>	829
An Efficient Reduction of Nitro and Bromine Naphthalene Derivatives <i>J. Dong, Q. Zhang, G. Huang, Q. Meng, and S. Li</i>	837
4-Bis(triphenylphosphonium)-2-butene Peroxodisulfate as an Efficient Oxidizing Agent for One-Pot Synthesis of Ethyl Pyrimidin-2(1 <i>H</i>)-one-5-carboxylates <i>M. Gorjizadeh and M. Afshari</i>	842
Synthesis and Characterization of Some Novel 1,3-Diaryl Pyrazole Bearing 2-Oxopyridine-3,5-dicarbonitrile Derivatives <i>N. M. Khalifa, M. A. Al-Omar, and E. S. Nossier</i>	846
Microwave Assisted One-Pot Synthesis of Linear and Angular Furo Chromanone Scaffolds and Their <i>in vitro</i> Antimicrobial Activity <i>R. Venkataramana, Ch. Venkata Ramana Reddy, D. Ashok, and N. Nagaraju</i>	850
Solvent-Free Microwave Assisted Synthesis of Substituted (<i>E</i>)-Phenyl{3-(2-[1-phenyl-3-(thiophen-2-yl)-1 <i>H</i> -pyrazol-4-yl]vinyl)benzofuran-2-yl}methanones and Their Antimicrobial Activity <i>D. Ashok, M. Ziauddin, B. V. Lakshmi, and M. Sarasija</i>	857
Efficient One-Pot Synthesis of Some New Pyrimido[5',4':5,6]pyrido[2,3- <i>d</i>]pyrimidines Catalyzed by Magnetically Recyclable Fe ₃ O ₄ Nanoparticles <i>M. Fattahi, A. Davoodnia, and M. Pordel</i>	863
Synthesis of Some New Pyrazolyl-Thiazolidinone Derivatives Starting from 1-(3-Chlorophenyl)-3-(4-methoxyphenyl)-1 <i>H</i> -pyrazole-4-carboxaldehyde <i>N. M. Khalifa, E. S. Nossier, and M. A. Al-Omar</i>	868
Investigation of Coordination Ability of Mn(II), Fe(III), Co(II), Ni(II), and Cu(II) with Metronidazole, the Antiprotozoal Drug, in Alkaline Media: Synthesis and Spectroscopic Studies <i>F. A. I. Al-Khodir and M. S. Refat</i>	873

Letters to the Editor

On the Possibility of Homolytic Addition of <i>N</i> -Bromohexamethyldisilazane to the Triple Carbon–Carbon Bond	
<i>V. I. Rakhlin, I. P. Tsyrendorzhieva, and A. I. Albanov</i>	880
Imines Derived from 4-Methyl-4-diphenylphosphorylpentan-2-one and Potassium Salts of Aminocarboxylic Acids	
<i>M. N. Dimukhametov, V. F. Mironov, and D. A. Tatarinov</i>	882
Synthesis of 6-Chlorotetrazolo[1,5- <i>a</i>]quinazoline and 6-Chloro-4,5-dihydrotetrazolo[1,5- <i>a</i>]quinazoline	
<i>M. A. Skryl'nikova, A. V. Khranchikhin, and M. N. Krivchun</i>	885
3,3,6-Trimethyl-2-chlorocyclohexeno[1,2- <i>d</i>]-1,2-oxaphosphol-4-ene-2-oxide as a Convenient Precursor for the Synthesis of Dimephosphone Analogs	
<i>A. V. Nemtarev, M. E. Shemakhina, and V. F. Mironov</i>	887
Allobetulin <i>N</i> -Acetylglucosaminide. Synthesis and Antimicrobial Activity	
<i>I. Yu. Strobykina, B. F. Garifullin, A. S. Strobykina, A. D. Voloshina, R. R. Sharipova, and V. E. Kataev</i>	890
Synthesis, Structure, and Thermal Behavior of the Complex $\{\text{Co}_2[\text{N}(\text{CH}_2\text{CH}_2\text{OH})_3]_2\text{Cl}_2\}\text{Cl}_2$	
<i>Yu. A. Kondratenko</i>	894
Sulfur- and Oxygen-Containing Platinum(II) Complex	
<i>A. N. Azizova, Kh. I. Gasanov, Sh. G. Gasymov, and I. Sh. Mamedova</i>	897
