

Contents

Vol. 77, No. 5, 2007

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

States of Atoms and Interatomic Interactions in Perovskite-like Oxides: XXI. Effect of Dopant Nature on the Magnetic Properties of Lanthanum Manganites $x(\text{La}_{1-y}\text{Y}_y)_{0.67}\text{Ca}_{0.33}\text{MnO}_3-(1-x)\text{La}_{1-y}\text{Y}_y\text{AlO}_3$ <i>N. V. Chezhina and A. V. Fedorova</i>	807
Photochemical Synthesis of Gold Nanoparticles in Aqueous Dispersions of Carboxylated Polystyrene <i>E. I. Isaeva, M. Yu. Kim, V. V. Gorbunova, and T. B. Boitsova</i>	812
Kinetic Relationships of the Formation of Antimony Sulfide <i>A. A. Uritskaya, T. P. Bol'shchikova, and N. S. Kozhevnikova</i>	818
Mononuclear, Polynuclear, and Cluster Complexes of Molybdenum and Their Reactions as Models of Biochemical Systems and Processes <i>I. A. Dement'ev, A. O. Kozin, Yu. V. Kondrat'ev, D. V. Korol'kov, and A. A. Proyavkin</i>	822
Structure of the Nearest Surrounding of the Na^+ Ion in Aqueous Solutions of Its Salts <i>P. R. Smirnov and V. N. Trostin</i>	844
Anisotropic and Isotropic Components of Solvation Energy in Solutions. Model Thermodynamic Function of Extremely Dilute Solutions. Calculation Method and Applications <i>V. A. Gorodyskii</i>	851
Synthesis of Phosphinic Acids on the Basis of Hypophosphites: VI. General Method for Synthesis of Pseudo- γ -glutamylpeptides <i>V. V. Ragulin</i>	861
Reaction of Triphenyl(phenylethynyl)phosphonium Bromide with α -Aminoethers, Dipiperidinomethane, and Secondary Amines <i>G. B. Bagdasaryan, P. S. Pogosyan, G. A. Panosyan, and M. G. Indzhikyan</i>	866
Bis(2-chloroethyl) Ethenylphosphonate in the Diels–Alder Reaction <i>N. A. Anisimova, G. A. Berkova, and V. M. Berestovitskaya</i>	871
Computer Modeling of the Structure of Large Molecules: III. Local Excitations in the Structure of 2D C_{60} (XII) and C_{60} (VIII) Polymers <i>S. G. Semenov and Yu. F. Sigolaev</i>	877
Ab Initio Calculations of Group IVA Tetrachloride Complexes: IV. Dynamics of the Formation of the Complex of SiCl_4 with Trimethylamine <i>V. P. Feshin and E. V. Feshina</i>	883
Ab Initio Calculations of Group IVA Tetrachloride Complexes: V. Dynamics of the Formation of the Complex of SiCl_4 with Tetramethylurea <i>V. P. Feshin and E. V. Feshina</i>	889
Conformational Analysis of 2-Substituted 1-Nitro- and 1-Bromo-1-nitroethenes <i>E. A. Ishmaeva, A. A. Gazizova, Ya. A. Vereshchagina, D. V. Chachkov, N. A. Anisimova, S. V. Makarenko, A. S. Smirnov, and V. M. Berestovitskaya</i>	894
Synthesis of 2-Propargylaminoethanols from α,β -Acetylenic Aldimines <i>M. V. Karpov, A. V. Khramchikhin, I. V. Suvorova, Yu. L. Piterskaya, and M. D. Stadnichuk</i>	899
Methyl- and Ethyl Carbonates Derived from Vanillin and Vanillal in the Synthesis of Nitrogen-containing Compounds <i>E. A. Dikumar and N. G. Kozlov</i>	905

Catalytic Activity of Iron-containing Polymers in Hydroxylation of Benzene with Hydrogen Peroxide <i>N. I. Rudakova, M. V. Klyuev, Yu. G. Erykalov, and D. N. Ramazanov</i>	911
Mechanism of the Catalytic Carbonylation of Aryl Halides with a Modified Cobalt Carbonyl <i>V. P. Boyarskii, E. V. Larionov, S. M. Polyakova, I. A. Boyarskaya, and T. E. Zhesko</i>	915
Aminomethyl Derivatives of Furancarboxylic Acids in the Paal–Knorr Reaction <i>I. M. Lapina, L. M. Pevzner, and A. A. Potekhin</i>	923
2,5-Dihalothiophenes in the Reaction with Chlorosulfonic Acid <i>I. B. Rozentsveig, Yu. A. Aizina, K. A. Chernyshev, L. V. Klyba, E. R. Zhanchipova, E. N. Sukhomazova, L. B. Krivdin, and G. G. Levkovskaya</i>	926
Reaction of 2-Aryl(methyl)-4-cyano-5-hydrazino-1,3-oxazoles with Aryl Isothiocyanates <i>O. V. Shablykin, A. V. Golovchenko, V. S. Brovarets, and B. S. Drach</i>	932
New Transformations of 5-Hydrazino-2-phenyl-1,3-oxazole-4-carbonitrile <i>O. V. Shablykin, V. S. Brovarets, and B. S. Drach</i>	936
Quantitative Structure–Activity Relationship for Barbituric Acid Derivatives: Potential of the Fragment Approach <i>I. G. Tsygankova and S. M. Zhenodarova</i>	940
Synthesis and N-Alkylation of 2-Alkyl- and 2-Arylimidazole-4,5-dicarboxylic Acid Esters <i>A. V. Lebedev, A. B. Lebedeva, V. D. Sheludyakov, E. A. Kovaleva, O. L. Ustinova, and V. V. Shatunov</i>	949
Common Relationships of Ferrocene Oxidation with Oxygen and Sulfur Dioxide in Acid Solutions and of Its Direct Oxidation with Carboxylic Acids <i>V. M. Fomin</i>	954

Letters to the Editor

Reaction of (Chloromethyl)phenoxyphosphinothioyl Isothiocyanate with 2-(Methylamino)ethylphosphonates <i>R. Kh. Bagautdinova and M. A. Pudovik</i>	961
Reaction of Aminoethynylphosphonates with Malononitrile <i>N. I. Svintsitskaya, A. V. Aleksandrova, A. V. Dogadina, and B. I. Ionin</i>	963
Dehydrogenation of 1-(Diphenylphosphinyl)-2-(hydroxylamino)ethane and Phosphonium Salts Containing 2-(Hydroxylamino)propyl Group <i>M. Zh. Ovakimyan, S. K. Barsegyan, A. S. Pogosyan, N. M. Kikoyan, and M. G. Indzhikyan</i>	965
Optically Active 2-(1-Phenylethyl)aminoethylphosphonates <i>S. A. Terent'eva and M. A. Pudovik</i>	967
Synthesis of 2-Substituted-1,3-oxazolidines under Microwave Irradiation <i>D. P. Khrustalev, A. A. Suleimenova, S. D. Fazylov, and A. M. Gazaliev</i>	969
Aminomethylation of Phenylacetylene under Microwave Irradiation <i>D. P. Khrustalev, G. T. Khamzina, S. D. Fazylov, and A. M. Gazaliev</i>	970
Aminolysis of 2-Amino-5-benzylidene-1,3-thiazol-4(5 <i>H</i>)-one in Cyclic Amines: Recyclization to 2-Amino-5-benzylidene-1,5-dihydro-4 <i>H</i> -imidazol-4-one Derivatives <i>S. M. Ramsh and N. L. Medvedskii</i>	971
