

Contents

Vol. 77, No. 7, 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.

Acceptor Power of Cations in Donor–Acceptor Interactions <i>E. P. Buchikhin, A. M. Chekmarev, A. Yu. Kuznetsov, and N. A. Bobyrenko</i>	1141
Synthesis and Structure of the Complex $[\text{Mo}_3(\mu_3\text{-S})(\mu_2\text{-S}_2)_3(\text{Et}_2\text{NCS}_2)_3]^{\text{II}}$ <i>E. A. Il'inchik, T. M. Polyanskaya, and K. G. Myakishev</i>	1148
Correlation of the Reactivity of Organoelement Chlorides in Metal Oxidation in Aprotic Media <i>S. V. Panteleev, S. V. Maslennikov, A. N. Egorochkin, and I. V. Spirina</i>	1155
Modification of Films of Heat-Resistant Polyimides by Adding Hydrosilicate and Carbon Nanoparticles of Various Geometries <i>I. V. Gofman, V. M. Svetlichnyi, V. E. Yudin, A. V. Dobrodumov, A. L. Didenko, I. V. Abalov, E. N. Korytkova, A. I. Egorov, and V. V. Gusarov</i>	1158
Ab Initio Calculations of Group IVA Tetrachloride Complexes: VII. Structure and Dynamics of the Formation of GeCl_4 Complexes with Hexamethylphosphoric Triamide <i>V. P. Feshin and E. V. Feshina</i>	1164
Catalytic Hydrophosphorylation of Dialkyl 2-Allylmalonates <i>A. N. Reznikov and N. K. Skvortsov</i>	1170
Synthesis and Structure of Silicon-containing <i>N</i> -Methyl- and <i>N</i> -Benzoylamides of Diisopropylphosphoric Acid <i>N. F. Lazareva, E. P. Doronina, E. F. Belogolova, B. A. Shainyan, and V. F. Sidorkin</i>	1177
Synthesis of Dimethylditritiogerme Me_2GeT_2 <i>D. L. Myalochkin, T. A. Kochina, D. V. Vrazhnov, V. V. Avrorin, and E. N. Sinotova</i>	1187
Ab initio Calculations of Complexes of Group IVA Tetrachlorides: VI. Structure and Dynamics of Formation of a Complex of GeCl_4 with Tetramethylurea <i>V. P. Feshin, E. V. Feshina, and L. I. Zhizhina</i>	1190
Chiral Derivatives of Titanium with Terpene Alcohols <i>Yu. S. Matveev, L. L. Frolova, N. A. Kataeva, and A. V. Kuchin</i>	1196
Kinetics and Mechanism of Monomolecular Heterolysis of Commercial Organohalogen Compounds: XLIII. Solvent Effect on Activation Parameters of Dehydrochlorination of 3-Chloro-3-methylbut-1-ene. Correlation Analysis of Solvation Effects <i>N. E. Ponomarev, V. V. Zaliznyi, and G. F. Dvorko</i>	1204
Influence of Various Factors on Chemical Decomposition of Oxyethylated Isononylphenols <i>Yu. N. Kozyreva, N. Yu. Aleinik, N. A. Glukhareva, E. N. Kolesnikova, and O. E. Lebedeva</i>	1215
Thermodynamic Characteristics and Intermolecular Interactions in Aqueous Solutions of Oxyethylated Glycols <i>A. M. Zaichikov and M. A. Krest'yaninov</i>	1218
Application of the Theory of Dilute Polymer Solutions to the Assessment of the Structure and Properties of Styrene–Acrylic Acid Copolymers <i>O. I. Nikolaeva, T. S. Usacheva, T. A. Ageeva, and O. I. Koifman</i>	1227
Thermodynamics of Interaction of L- α -Phenylalanine with Urea and Dimethylformamide in Aqueous Solution <i>V. P. Korolev, A. V. Kustov, and A. V. Bekeneva</i>	1232

Molecular Polarizability of Organic Compounds and Their Complexes: LI. Molar Volumes and Steric Structure of Intracomplex Compounds in Solutions at Infinite Dilution <i>S. B. Bulgarevich, T. V. Burdastykh, E. S. Selezneva, E. E. Akimova, and S. A. Volyanik</i>	1238
Molecular Polarizability of Organic Compounds and Their Complexes: LII. Molar Volumes of Polymeric Compounds in Solutions, Extrapolated to Infinite Dilution, and Steric Structure of Their Molecules <i>S. B. Bulgarevich, T. V. Burdastykh, and M. V. Boiko</i>	1244
System Vanadium Alkoxy Compound– <i>tert</i> -Butyl Hydroperoxide–Oxidant of Hydrocarbon C–H Bonds <i>L. P. Stepovik, M. V. Gulenova, A. N. Tishkina, and V. K. Cherkasov</i>	1254
Quantum-Chemical Study of the Reaction of Pent-4-en-2-yn-1-ol with Copper, Zinc, and Nickel Sulfides <i>N. M. Ivanova, C. A. Shchelkunov, and O. A. Malyshev</i>	1263
Molecular Structure of Diphenyl Sulfide in the Gas Phase <i>V. A. Naumov, M. A. Tafipol'skii, and A. V. Naumov</i>	1268
Effect of Pyridine on the Reaction of “Spanned” Zinc Porphyrin with Organic Peroxides <i>S. V. Zaitseva, S. A. Zdanovich, and O. I. Koifman</i>	1275
Protopolytic Properties of 8-Quinolylhydrazone of Substituted Salicylaldehydes and Physicochemical Properties of Their Copper(II) Complexes <i>L. D. Popov, S. I. Levchenkov, I. N. Shcherbakov, and V. A. Kogan</i>	1284
Effect of the Structure of Cyclic <i>N</i> -Nitramines on the Rate and Mechanism of Their Thermolysis <i>R. S. Stepanov, L. A. Kruglyakova, and A. M. Astakhov</i>	1293
Nickel Complexes of Chlorophyll Derivatives <i>D. V. Belykh, I. S. Tarabukina, Yu. S. Matveev, and A. V. Kuchin</i>	1300

Letters to the Editor

Synthesis of New Derivatives of 5-Amino-1,3-oxazole Basing on 3-Benzoylamino-3,3-dichloroacrylonitrile <i>O. V. Shablykin, V. S. Brovarets, and B. S. Drach</i>	1308
Organophosphorus Complexones as Catalysts for But-1-ene Polymerization <i>E. S. Petrov, T. E. Kron, O. I. Kudinova, and L. A. Novokshonova</i>	1310
2,6-Dinitrobenzofuroxanes Containing Aminoacetal Fragments <i>E. M. Kasymova, E. A. Chugunova, A. R. Burilov, L. M. Yusupova, and M. A. Pudovik</i>	1312
