

Contents

Vol. 68, No. 12, 1998

Simultaneous English language translation of the journal is available from **MAIK-Hayka/Interperiodica Publishing** (Russia).
Distributed worldwide by Plenum Consultants Bureau. *Russian Journal of General Chemistry* ISSN 1070-3632.

Compounds Formed in the $\text{Sc}_2\text{O}_3\text{-SeO}_2\text{-H}_2\text{O}$ Ternary System and Their Physicochemical Study

G. G. Gospodinov and M. G. Stancheva **p. 1855** [abstract](#)

Mutual Influence of the Gd^{3+} and Ca^{2+} Ions in Complexation with Carboxylic Acids

A. V. Vashchuk, I. V. Sukhno, and V. T. Panyushkin **p. 1859** [abstract](#)

Complexation in Surfactant Solutions: I. NMR Relaxation Study of Complexation of a Series of Transition Metals with Chelating Agents in Sodium Alkyl Sulfate Solutions

R. R. Amirov, Z. A. Saprykova, N. A. Ulakhovich, and Z. Z. Ibragimova **p. 1864** [abstract](#)

Complexation in Surfactant Solutions: II. Complexation of Cu(II) and Fe(III) Salicylates in Sodium Alkyl Sulfate Solutions

R. R. Amirov, Z. A. Saprykova, N. A. Ulakhovich, and Z. Z. Ibragimova **p. 1871** [abstract](#)

Nature of Organic Radical in Hydrocarbon Halide and Character of Its Adsorption on Magnesium Surface During Oxidation of the Metal

S. V. Maslennikov and I. V. Spirina **p. 1876** [abstract](#)

Effect of the Polarizability of Organic Compounds on Isotherms of Sorption of Their Vapors with Solid *tert*-Butylcalix[4]arene

V. V. Gorbachuk, A. G. Tsifarkin, I. S. Antipin, B. N. Solomonov, and A. I. Konovalov **p. 1878** [abstract](#)

2,4-Bis(phenylazo)aniline as a By-Product of Azo Coupling of Aniline with Imidazole

B. I. Buzykin, M. Yu. Sorokin, R. Kh. Fassakhov, I. A. Litvinov, and A. T. Gubaidullin **p. 1885** [abstract](#)

1,2-Diacyl-1-arylhydrazines: II. Molecular and Crystal Structure of 1,2-Dibenzoyl-1-phenylhydrazines and 2-Acetyl-1-(4-nitrophenyl)-1-salicyloylhydrazines

B. I. Buzykin, A. T. Gubaidullin, I. A. Litvinov, N. G. Gazetdinova, and L. P. Sysoeva **p. 1889** [abstract](#)

(3,5-Di-*tert*-Butyl-4-hydroxybenzyl)acetate as a Benzylating Agent in the Synthesis of Sterically Congested Phenols

S. V. Bukharov, G. N. Nugumanova, and N. A. Mukmeneva **p. 1894** [abstract](#)

Reaction of 1,1-Dimethoxy-2,4-pentanedione with Phenylhydrazine. Synthesis and Molecular Structure of [Methoxy(3-methyl-1-phenylpyrazol-5-yl)diphenylphosphine Oxide

E. V. Bayandina, I. A. Nuretdinov, O. A. Terekhina, A. T. Gubaidullin, O. A. Lodochnikova, and I. A. Litvinov **p. 1899** [abstract](#)

Qualitative Regularities of the Reaction of Diphenylphosphinic Hydrazide with Picryl Chloride in Solvents of Different Nature

N. I. Yanchuk **p. 1904** [abstract](#)

Chemical Transformations on the Surface of Phenol-Formaldehyde Microspheres under the Action of Phosphorus(III) Chloride Vapor

S. A. Trifonov and A. A. Malygin **p. 1910** [abstract](#)

Kinetics of Alcoholysis of Acetyl Chloride with Benzyl Alcohol and Accumulation of an Intermediate Product in a Reversible Process

V. V. Varfolomeeva and V. A. Terent'ev **p. 1914** [abstract](#)

Low-Temperature Reaction of Cyclohexanol with Hydrogen Chloride. Structure of Intermediate in the Substitution of Hydroxy Group by Chlorine

O. V. Zagorskaya, V. V. Smirnov, T. N. Rostovshchikova, and A. B. Permin **p. 1919** [abstract](#)

1,3,3-Trimethylbicyclo[2.2.1]heptan-2-endo-ol in Nucleophilic Substitution Reactions

S. S. Koval'skaya and N. G. Kozlov **p. 1925** [abstract](#)

- Kinetics of Electrochemical Reduction of Propyl Halides in Aprotic Media
Yu. M. Kargin, L. Z. Manapova, and L. M. Vorontsova **p. 1928** [abstract](#)
- Reactions of Schiff Bases with Nucleophilic Reagents of Different Hardness
V. D. Pak, G. A. Gartman, N. N. Yaganova, and P. G. Neifel'd **p. 1930** [abstract](#)
- Photosensitized Reactions of Conjugated Bischalcone and Its Derivatives
N. I. Rtishchev, G. I. Nosova, N. A. Solovskaya, A. V. Dobrodumov, V. N. Luk'yashina, V. V. Nesterov, and V. V. Kudryavtsev **p. 1935** [abstract](#)
- Electrical Properties of Bromo- and Iodo-Substituted *p*-Benzoquinones
V. P. Makovetskii, S. P. Ponomarenko, T. E. Sivachek, Yu. Ya. Borovikov, and V. A. Topchii **p. 1942** [abstract](#)
- Quantum-Chemical Study of the Structure and Reactivity of 5-Pyrazolones and Their Thio and Seleno Analogs: IV. Electronic Structure of 1-Methyl-2-pyrazolin-5-one(thione, selenone) by Semiempirical and Nonempirical Calculations
G. A. Chmutova, H. Ahlbrecht, A. R. Kurbangalieva, and A. I. Movchan **p. 1948** [abstract](#)
- Kinetics of Complex Formation of Sterically Distorted Porphyrins with Copper Acetate in Pyridine and Dimethylformamide
N. S. Dudkina, P. A. Shatunov, E. M. Kuvshinova, S. G. Pukhovskaya, A. S. Semeikin, and O. A. Golubchikov **p. 1955** [abstract](#)
- Effect of Heavy Metal Salts on the Kinetics of Hemoglobin Reactions of Rhodium(III) Trifluoroacetate
Z. S. Toktamysova **p. 1961** [abstract](#)
-

Letters to the Editor

- An Unexpected Direction of Reaction of Phosphites with 6-Chlorobicyclo[3.1.0]hex-2-en-6-ol
I. A. Nuretdinov and L. N. Grishina **p. 1963** [abstract](#)
- Reaction of Phosphorus Pentachloride with Mercaptoacetic Acid
A. R. Burilov, I. V. Selezneva, and M. A. Pudovik **p. 1965** [abstract](#)
- S-Bis(2-bromoethoxy)boryl O-2-(Bromoethyl) [4-(Methoxyphenyl)]dithiophosphonate
I. S. Nizamov, G. G. Sergeenko, and E. S. Batyeva **p. 1966** [abstract](#)
- Indolin-2-one Derivatives Phosphorylated in the Benzene Ring
G. Z. Akhmetova, P. A. Gurevich, V. V. Moskva, and B. P. Arkhipov **p. 1968** [abstract](#)
- Phosphorylation of Isatine with *o*-Phenylene Phosphorochloridite
G. Z. Akhmetova, P. A. Gurevich, and V. V. Moskva **p. 1970** [abstract](#)
- A New Seven-membered Heterocycle, 2-(4-Methoxyphenyl)-6,7-dimethyl-4,4-diphenyl-1,5,3,2λ⁵,4-dioxathiaphosphagermepane, based on Lawesson Reagent
I. S. Nizamov, A. E. Popovich, and E. S. Batyeva **p. 1972** [abstract](#)
-

Discussion

- On the Applicability of the Taft Postulate to Reactivity Studies on Conformationally Inhomogeneous Seven-membered Acetals
Yu. G. Shtyrlin, V. V. Zverev, G. R. Shaikhutdinova, and E. N. Klimovitskii **p. 1974** [abstract](#)
-

Author Index to Volume 68, 1998 **p. 1976**

Contents of Volume 68, 1998 **p. 1987**
