

**2000 г.**

1. Y.V. Burgart, V. I. Saloutin, O.N.Chupakhin. *Fluorinated Acyl(aryl)pyruvates as the Building Blocks in Synthesis of Heterocycles*. *Heterocycles*. (Обзор). 2000, vol. 52. No 3. P. 1411- 1434.
2. O.N. Chupakhin, V.N. Kozhevnikov, A.M. Prokhorov, D.N. Kozhevnikov, V.L. Rusinov. *The amidine rearrangement in 5-amino-6-aryl-1,2,4-triazine-4-oxides initiated by hydroxylamine*. *Tetrahedron Letters* (Oxford). 2000, vol. 41, p.7379-7382.
3. A.Ya. Aizikovich, M.V. Nikonorov, M.I. Kodess, V.Yu. Korotayev, V.N. Charushin, O.N. Chupakhin. *Novel 1-trifluoromethyl substituted 1,2-ethylenediamines and their use for the synthesis of fluoroquinolones*. *Tetrahedron* (Oxford). 2000, vol. 56, p. 1923-1927.
4. Bazyl' I.T. and... *J. Fluor. Chem.* 2000, vol. 104, p.3-12.
5. Y.V. Burgart, O.G. Kuzueva, C.O. Kappe, O.N.Chupakhin, V. I. Saloutin. *Biginelli Condensations of Perfluorinated 3-Oxo Esters and 1,3-Diketones*. *J. Fluor. Chem.* 2000, vol. 103, No 1, p.17-23.
6. V. Ratner and....*J. Fluor. Chem.* 2000, vol. 102, p.73-77.
7. M.. Nikonorov, D/L/ Chzhov and... *J. Fluor. Chem.* 2000, vol. 106(2), p.115-116.
8. L.V. Saloutina, A. Ya Zapevalov, .M.I. Kodess, G.G. Aleksandrov ,V. I. Saloutin, O.N. Chupakhin. *Synthesis of polyfluoroalkylated 1,3-thiazolines using polyfluoro-2,3-epoxyalkanes*. *J. Fluor. Chem.* 2000, vol. 104, p.155-165.
9. D.V. Sevenard, O.G. Khomutov, O.V. Koryakova, V.V. Sattarova, M.I. Kodess, V. Loop, E. Lork, K.I. Pashkevich, G.-V. Rösenthaler. *Synthesis and structure of 4-polyfluoroalkyl substituted 5,6-polymethylene pyrimidines*. *Synthesis*. 2000. V. 12, p. 1738-1748.
10. E. Tsoi, V.N. Charushin, E.V. Nosova, G.N. Lipunova, A.V. Tkachev. *A new approach to [a]-fused fluoroquinolones: synthesis of 5-oxo-1,2,3,3a,4,5-hexahydropyrrolo[1,2-a]quinolines*, Mendeleev Commun. Cambridge, 2000, No. 2, p. 53-54.
11. D.G. Beresnev, G.L. Rusinov, O.N. Chupakhin, H. Nounhoeffer. *Interaction of 5-methoxy-1,2,4-triazines with ureas as a new route to 6-azapurines*. *Mendeleev Commun.* 2000, vol. 10, No 2, p. 58 –59.
12. D.N. Kojevnikov, T.V. Nikitina, O.N. Chupakhin, V.L. Rusinov. *The Ritter reaction in the 5-cyano-1,2,4-triazine series*. *Mendeleev Commun.* 2000, vol. 10, No 3, p. 117 –118.
13. D.N. Kozhevnikov, A.M. Prokhorov, V.L. Rusinov, O.N. Chupakhin. *Auto-aromatization of the σ<sup>H</sup>-adducts of 1,2,4-triazine 4-oxides with carbanions in reactions of nucleophilic substitution of hydrogen*. *Mendeleev Commun.* 2000, vol. 10, No 6, p. 227-228.
14. I.S. Kovalev, D.N. Kozhevnikov, V.L. Rusinov, O.N. Chupachin, D.V. Rajkov, V.A. Pustovarov, B.V. Shul'gin. *Direct introduction of indoles into 2-aminopyrazine 1-oxides*. *Mendeleev Commun.* 2000, vol. 10, No 6, p. 229-230.

2001 г.

1. В.Н. Чарушин, О.Н. Чупахин. *Орто-, мета- и пара-циклизации в структурных модификациях π-дефицитных ароматических соединений. Азотистые гетероциклы и алкалоиды.* "Химия и биологическая активность азотистых гетероциклов и алкалоидов". (Монография). М.: Иридиум-пресс. 2001, т. 1, с. 162-175.
2. С.Г. Перевалов, Я.В. Бургарт, В.И. Салоутин, О.Н. Чупахин. *(Гем)ароилпириноградные кислоты и их производные как перспективные «строительные блоки» для органического синтеза.* (Обзор). *Успехи химии.* 2001, т. 70, № 11, с.1039 - 1058.
3. Chupakhin O.N., Zyryanov G.V., Rusinov V.L., Krasnov V.P., Levit G.L., Korolyova M.A., Kodess M.I. *Direct diastereoselective addition of l-menthol to activated 1,2,4-triazin-5(4H)-one.* *Tetrahedron Letters*, 2001, V. 42, p. 2393-2395.
4. Charushin V.N., Nosova E.V., Lipunova G.N., Kodess M.I. *Fused fluoroquinolones: synthesis and 1H and 19F NMR studies.* *J. Fluor. Chem.* 2001. V. 110, p. 25-30.
5. V.N. Charushin, G.A. Mokrushina, A.V. Tkachev. *Nucleophilic substitutions in 6,7-di-fluoroquinoxalines.* *J. Fluor. Chem.*, 2001. V. 107, p. 71-80.
6. S.P. Kisil, Y.V. Burgart, V.I. Saloutin, O.N. Chupakhin. *Fluoroaryl Containing Beta, Beta-Dioxoesters in the Synthesis of Fluorobenzopyran-4(2)-Ones.* *J. Fluor. Chem.* (USA). 2001. V. 108, No 2, p. 125-131.
7. A.S. Fokin, Y.V. Burgart, V.I. Saloutin, O.N. Chupakhin. *Synthesis of 2-(1-Alkyl(Aryl)-4-Oxo-5,6,7,8-Tetrafluoro-1,4-Dihydroguinolin-3-Yl)Glyoxylic Acid-Derivatives.* *J. Fluor. Chem.* (USA). 2001. V. 108, No 2, p. 187-194.
8. A. Rykowski, O.N. Chupakhin, D.N.Kozhevnikov, V.N. Kozhevnikov, V.L. Rusinov, H.C. van der Plas. *<sup>1</sup>H- and <sup>13</sup>C-NMR Investigations on □-adduct formation of 1,2,4-triazine 4-oxides and 3-chloro-6-phenyl-1,2,4-triazine with liquid ammonia and alkylamines.* *Heterocycles* (Japan). 2001. V. 55, No 1, p. 127-133.
9. G.L. Rusinov, D.G. Beresnev, N.A. Itsikson, O.N. Chupakhin. *Direct modification of benzoannelated crown eth with 1,2,4-triazin-5(2H)-one moieties.* *Heterocycles* (Japan). 2001. V. 55, No 12, p. 2349-2359.
- 10.O.N. Chupakhin, G.L. Rusinov, D.G. Beresnev, V.N. Charushin. *A Simple One Pot Synthesis 1,2,4-Triazines by Using the Tandem A<sub>N</sub>-S<sub>N</sub><sup>ipso</sup> and S<sub>N</sub><sup>H</sup>- S<sub>N</sub><sup>ipso</sup> Reactions.* *J. Heterocyclic Chem.* (USA). 2001. V. 38, No 4, p. 901-907.
- 11.O.N. Chupakhin, E.N. Ulomsky, S.L. Deev, V.L. Rusinov. *The synthesis of <sup>15</sup>N labeled 6-nitro-1,2,4-triazolo[5,1-c][1,2,4]triazin-7-one.* *Synthetic Commun.* (USA). 2001. V. 31, No 15, p. 2351-2355.
- 12.N.N. Mochulskaya, A.A. Andreiko, V.N. Charushin, B.V. Shulgin, D.V. Raikov, V.I. Solomonov. *Inter- and intramolecular cycloaddition reactions of 1-ethyl-*

- 1,2,4-triazinium salts with acetylenes.* Mendeleev Commun. (Cambridge). 2001. No. 1, p. 19-21.
13. V.Ya. Sosnovskikh , B.I. Usachev, A.G. Blinov, M.I. Kodess. *New derivatives of dehydroacetic acid: synthesis of 2-polyfluoroalkyl -7-methylpyrano[4,3-b]pyran-4,5-diones.* Mendeleev Comm. 2001, N 1, p. 36-38.
  14. V.N. Charushin, S.K. Kotovskaya, N.M. Perova, O.N. Chupakhin. *Pyrido[2,3-b]- and pyrimido[4,5-b]quinoxalines: the first fluorine-containing derivatives.* Mendeleev Commun. 2001, vol. 11, No 2, p. 54-56.
  15. Y.V. Burgart, S.P. Kisil, V.I. Saloutin, O.N. Chupakhin. *A Rout to Ethyl Alpha-Pentafluorobenzoyl-Beta-Oxobutanoate via Its Copper(II) Chelate.* Mendeleev Commun. (Oxford). 2001. V. 11, No 2, p. 76-77.
  16. V.L. Rusinov, O.N. Chupakhin, G.V. Zyryanov. *Regioselectivity in the reactions of pyrroles with 3-aryl-1,2,4-triazin-5-ones.* Mendeleev Commun. 2001. V. 11, No 2, p. 77-78.
  17. G.L. Rusinov, P.A. Slepukhin, V.N. Charushin, O.N. Chupakhin. *2,3-Dichloro-1-alkylpyrazinium tetrafluoroborates: the synthesis and reactions with mono- and dinucleophiles.* Mendeleev Commun. 2001. V. 11, No 2, p. 78-80.
  18. Y.V Burgart, M.V. Pryadeina, O.G. Kuzueva, M.I. Kodess, V.I. Saloutin, O.N. Chupakhin. *Unexpected synthesis of 3,5-diethoxycarbonyl-2-pentafluorophenyl-4-phenyl-7,8,9,10-tetrafluoro-4,5-dihydrobenzo[b]oxacin-6-one.* Mendeleev Commun. 2001. V. 11, No 3, p. 119-120.
  19. D.V. Sevenard, O.G. Khomutov, M.I. Kodess, K.I. Pashkevich, I. Loop , E. Lork, G.-V. Röschenthaler. *Novel Polyfluoroalkylated Pyrazoles from 2-Polyfluoroacylcycloalkanones and Hydrazines: Syntheses and Unequivocal Molecular Structure Assignment.* Can. J. Chem. 2001. V. 79, No 2, p. 183-194.
  20. D.V. Sevenard, O.G. Khomutov, M.I. Kodess, K.I. Pashkevich, I. Loop, E. Lork, G.-V. Röschenthaler. *Condensation of 2-Polyfluoroacylcycloalkanones with Aldehydes and Dimethylformamide-Dimethylacetal.* Aust. J. Chem. 2001. V. 54, p. 157-165.

## 2002 г.

1. В.И. Салоутин, Я.В. Бургарт, О.Н. Чупахин. *Фторсодержащие трикарбонильные соединения. Получение, свойства, реакции, синтез гетероциклов.* (Монография). Екатеринбург: НИСО УрО РАН. 2002. 242 с.
2. Perevalov S.G., Burgart Y.V., Saloutin V.I., Chupakhin O.N. *The 4-(het)aryl-2,4-dioxobutanoic acid and their derivatives for heterocyclic syntheses.* (Обзор). Target in Heterocyclic System., 2001. V. 5. P. 419 .
3. О.Н. Чупахин, Д.Г. Береснев. *Нуклеофильная атака на незамещенный атом углерода – эффективный инструмент в построении гетероциклических систем.* (Обзор). Вестник РФФИ. 2002. № 3, с.31 –56.
4. О.Н. Чупахин, Д.Г. Береснев. *Нуклеофильная атака на незамещенный атом углерода азинов и нитроаренов - эффективная методология*

*построения гетероциклических систем.* (Обзор). Успехи химии. 2002. Вып. 9, с.803 -818.

5. D.N.Kozhevnikov, V.N. Kozhevnikov, T.V. Nikitina, V.L. Rusinov, O.N. Chupakhin, I.L. Eremenko, G.G. Aleksandrov. *A new route to 6,6"-dicyano-2,2':6',2' -terpyridines and their complexes with Ni(II).* Tetrahedron Lett. 2002. V. 43, No 5, p. 4923-4925.
6. V.P. Krasnov, G.L. Levit, V.N. Charushin, A.N. Grishakov, M.I. Kodess, V.N. Kakinin, V.A. Olshevskaya, O.N. Chupakhin. *Enantiomers of 3-amino-1-methyl-1,2-dicarba-closo-dodecaborane.* Tetrahedron: Assymetry. 2002. V. 13/16, p. 1833-1835.
7. V.P. Krasnov, G.L. Levit, I.M. Bukrina, A.M. Demin, O.N. Chupakhin, Ji Uk Yoo. *Efficient large (ca.40 g) laborotjry scale preparation jf (S)-and (R)-valine tert-butul esters.* Tetrahedron: Assymetry. 2002. V. 13, p. 1911-1914.
8. D.N. Kozhevnikov, V.L. Rusinov, O.N. Chupakhin, M. Makosza, A. Rykowski, E. Wolinska. *Deoxygenative vs. Vicarious Nucleophilic Substitution of Hydrogen in Reactions of 1,2,4-Trifzine 4-Oxides with  $\alpha$ -Halocarbonions.* Eur. J. Org. Chem. (Germany). 2002. P. 1412-1416.
9. Ya.V. Burdart, M.V. Pryadeina, O.G. Kuzueva, K. Lisenko, M.U. Antipin, V.I. Saloutin. *Reactions of Fluorine-containing 3-oxo esters with aldehydes.* J. Fluor. Chem. 2002. V. 117, N 1, p.1-7.
10. V.P. Krasnov, G.L. Levit, I.N. Andreeva, A.N. Grishakov, V.N. Charushin, O.N. Chupakhin. *Kinetic resolution of ( $\pm$ )- 2-methyl-1,2,3,4-tetrahydroguinolie and ( $\pm$ )- 2-methylindoline.* Mendeleev Commun. 2002. V. 12, No 1, p. 27-28.
11. V.N. Charushin, N.N. Mochulskaya, A.A. Andreiko, M.I. Kodess, O.N. Chupakhin. *Use of tandem An-An reactions for the synthesis ofthiazolo[4,5-e]-1,2,4-triazines.* Mendeleev Commun. 2002. V. 12, No 1, p. 28 - 30.
12. D.N. Kozhevnikov, V.N. Kozhevnikov, T.V. Nikitina, V.L. Rusinov, O.N. Chupakhin, H. Neunhoeffer. *Synthesis of functionalised dipuridines dy sequential nucleophilic sudstitution of hydrogen and cycloaddition in 1,2,4-triazine rings.* Mendeleev Commun. 2002. V. 12, No 1, p. 30-32.
13. M.G. Ponizovskiy, A.M. Boguslavskiy, M.I. Kodess, V.N. Charushin, O.N. Chupakhin. *A New Methodology for the synthesis of Fused Quinoxalines.* Mendeleev Commun. 2002. V. 12, No 2, p. 68 - 70.
14. V.L. Rusinov, N.A.Itsikson, D.G.Beresnev, O.V.Koryakova, O.N. Chupakhin.  *$S_N^H$ -Reactions of 1,2,4-triazines derivatives with acetophenones.* Heterocyclic Commun. 2002. V. 8, No 1, p. 75-78.
15. D.N. Kozhevnikov, V.L. Rusinov, O.N. Chupakhin. *1,2,4-Trifzine N-Oxides.* Advances Heterocyclic Chem. (USA). 2002. V. 82, p. 261-305.
16. Y.A. Skorik, C.A.R. Gomes, M.T.S.D. Vasconcelos, Y.G. Yatluk. *Synthesis, characterization and some properties of N-(2-carboxyethyl)chitosans.* Advances in Chitin Science. 2002. V. 5, p. 344-348.

17. Nizova I.A., Krasnov V.P., Levit G.L., Kodess M.I. *Synthesis of (2S,4S)-4-phenylamino-5-oxoproline derivatives*. Amino Acids. 2002. V. 22, № 2.- P.179-186.

2003 г.

1. О.Н. Чупахин, В.Н. Чарушин, В.Л. Русинов. *Нуклеофильное ароматическое замещение водорода – прямой метод аминирования аренов и гетаренов. Панорама современной химии России. «Современный органический синтез»*, (Монография). М.: Химия. 2003. С. 99-139.
2. В.П. Краснов, О.Н. Чупахин, Г.Л. Левит, Л.Б. Радина, А.Ю. Барышников. *Химические аспекты создания оригинального противоопухолевого препарата лизомустин*. В кн. Экспериментальная онкология на рубеже веков. П/ред. М.И. Давыдова и А.Ю. Барышникова. – М., Издательская группа РОНЦ им. Н.Н. Блохина РАМН. 2003. 552 с. (с. 135-146).
3. N.A.Itsikson, G.L.Rusinov, D.G.Beresnev, O.N.Chupakhin. *Modification of Macrocyclic Compounds by Azaheterocycles*. (Обзор). *Heterocycles*. 2003. V. 61, pp.593-637. on-line:[www.heterocycles.com](http://www.heterocycles.com).
4. В.П. Краснов, М.А. Королева, Г.Л. Левит. *Синтез и свойства 1-аминоциклогептан-1,2-дикарбоновой кислоты и соединений, содержащих ее в качестве фрагмента*. (Обзор). Успехи химии. 2003. Т. 72, № 4. С.381-392.
5. L.V.Saloutina, A.Y.Zapevalov, M.I.Kodess, K.A.Lyssenko, M.Y.Antipin, V.I.Saloutin,O.N.Chupakhin. *From oxides of internal perfluoroolefins to fluorocontaining camphor thiazolinylhydrazones*. J. Fluor. Chem. 2003. V. 120, pp. 41-47.
6. S.K. Kotovskaya, S.A. Romanova, V.N. Charushin, M.I. Kodess, O.N. Chupakhin. *5(6)-fluoro-6(5)-R-benzofuroxans: synthesis and NMR <sup>1</sup>H, <sup>13</sup>C, <sup>19</sup>F studies*. J. Fluor. Chem. 2003.
7. O.N. Chupakhin, A.M. Prokhorov, D.N. Kozhevnikov, V.L. Rusinov, V.N. Kalinin, V.A. Olshevskaya, I.V. Glukhov, M.Yu. Antipin. *1,2,4-Triazinylcaboranes: a new approach to the synthesis and the crystal structures of 1-(3,6-ditolyl-1,2,4-triazin-5-yl)-2-phenyl-1,2-dicarba-closododecaborane and 1,7-bis[6-phenyl-3-(4-chlorophenyl)-1-2,4-triazin-5-yl]-1,7-dicarba-closo-dodecaborane*. Mendeleev Commun. V.13, No.4, pp.165-166.
8. D.N. Kozhevnikov, V.N. Kozhevnikov, T.V. Nikitina, V.L. Rusinov, O.N. Chupakhin, M. Zabel, B. Konig. *A Versatile Strategy for the Synthesis of Functionalized 2,2'- Bi-and 2,2':6',2" - Terpyridines via Their 1,2,4-Triazine Analogues*. J. Org. Chem. 2003. No. 68, p. 2882-2888.
9. V.N. Charushin, N.N. Mochulskaya, A.A. Andreiko, V.I. Filyakova, M.I. Kodess, O.N. Chupakhin. *Aminovinyl ketones and aminovinyl esters as C-C-N building blocks for the synthesis of 1H-pyrrolo [3,2-e]1,2,4-triazines*. Tetrahedron Lett. 2003. No. 44, p. 2421-2424.

10. V.P. Krasnov, U.L. Levit, I.M. Bukrina, I.N. Andreeva, L.Sh. Sadretdinova, M.A. Korolyova, M.I. Kodess, V.N. Charusin and O.N. Chupakhin. *Kinetic resolution of (±)-2,3-dihydro-3-methyl-4H-1,4-benzoxazine, (±)-2-methyl-1,2,3,4-tetrahydroquinoline and (±)-2-methylindoline using N-tosyl-(S)-prolyl chloride*. *Tetrahedron: Asymmetry*. 2003. No. 14, p.1985-1988.
11. V.N. Kozhevnikov, D.N. Kozhevnikov, V.L. Rusinov, O.N. Chupakhin, B. Konig. *Synthesis of Functionalized Fluorescent Europium (III) Terpyridyl Chelates*. *Synthesis*. 2003. No.15, p. 2400-2404.
12. G.L. Rusinov, R.I. Ishmetova, I.N. Ganebnykh, O.N. Chupakhin, G.G. Aleksandrov, I.A. Litvinov, D.B. Krivolapov. *Unexpected products in the reactions of s-tetrazine hydrazones with enamines*. *Heterocyclic Commun.* 2003. V.9, No.1 p. 39-43.
13. V. Khabibulina, A.P. Volovodenko, R.E. Trifonov, G.V. Yashukova, N.N. Mochul'skaya, V.N. Charushin, G.L. Rusinov, D.G. Beresnev, N.A. Itsikson, V.A. Ostrovskii. *Protolytic equilibria of isomeric phenyl-1,2,4-triazines// Chem. Heterocycl. Compounds*. 2003. No. 5, p. 641-800.
14. O.N. Chupakhin, G.L. Rusinov, N.A. Itsikson, D.G. Beresnev, I.L Nikolaeva,, A.R. Burilov, A.I. Konovalov. *The first case of direct coupling of heterocycles with calixarenes. Reaction of resorcinarenes with 1,2,4-triazin-5(2H)-ones*. *Heterocyclic Commun.* 2003. V. 9, No. 5.
15. M.S. Zhidovinova, O.V. Fedorova, G.L. Rusinov, I.G. Ovchinnikova. *Multicomponent sonochemical synthesis of podands*. *Molecular Diversity*. 2003. V. 6, No. 3-4. P. 323-326.
16. A.E. Malkov, I.G. Fomina, A.A. Sidorov, G.G. Aleksandrov, I.M. Egorov, N.I. Latosh, O.N. Chupakhin, G.L. Rusinov, Yu.V. Rakitin, V.M. Novotortsev, V.N. Ikorskii, I.L. Eremenko, I.I. Moiseev. *Pentanuclear pivalate Ni(II) and Co(II) clusters: modulation of molecular structures and magnetic properties*. *J. Molecular Structure*. 2003. V. 656, p. 207-224.
17. Y.A. Skorik, C.A.R. Gomes, M.T.S.D. Vasconcelos, Y.G.Yatluk. *N-(2-carboxyethyl)chitosans: regioselective synthesis, characterization and protolytic equilibria*. *Carbohydrate Research*. 2003. V. 338, № 3, p. 271-276.
18. N.N. Volkova, E.V. Tarasov, M.I. Kodess, L.V. Meervelt, W. Dehaen, V.A. Bakulev. *Reaction of 5-Halo-1,2,3-thiadiazoles with aliphatic diamines. Synthesis and intramolecular cyclization of bis(1,2,3-triazolyl-1,2,3-thiadiazolyl)sulfides*. *Org. Biomol. Chem.* 2003. No 1 (22), p. 4030-4038.
19. A.M. Prokhorov, D.N. Kozhevnikov, V.L. Rusinov, O.N. Chupakhin. *Aromatic Nucleophilic Substitution in 1,2,4 – Triazine 4 – Oxides with Grignard Reagents*. *Polish J. Chem.* 2003. V. 77, p. 1157-116.
20. D.G. Beresnev, G.L. Rusinov, A.Yu. Ponomareva, O.N. Chupakhin. *The formation of 1,2,4-triazolylimidazolidine-2,4-diones in reactions of 3-aryl-1,2,4-triazin-5(2H)-ones with alkylureas*. *Rus. Chem. Bull., International Edition*. 2003, V. 52, No. 10, p.1-6.
21. A.M. Prokhorov, D.N. Kozhevnikov, V.L. Rusinov, O.N. Chupakhin. *Nucleophilic substitution or dipolar 1,3 – cycloaddition in reactions of*

*cyanamide with 4 – arylpyrimidine 1 – oxides.* Russ. Chem. Bull., International Edition. 2003. V. 52, No. 5, p.1195-1197.

2004 г.

1. Расина Л.Н., Чупахин О.Н. *Экспериментальная разработка противолучевых препаратов*. Урал, радиация, реабилитация. Под ред. В.Н. Чуканова. (Монография). Екатеринбург: УрО РАН, 2004. ISBN 5-7691-1528-9. С. 409-423.
2. Charushin V.N., Chupakhin O.N.  *$S_N^H$  methodology and new approaches to condensed heterocyclic systems*. (Обзор) // Pure Appl. Chem. 2004. V. 76. No. 9, p. 1621-1631.
3. Носова Э.В., Липунова Г.Н., Чарушин В.Н. *Циклизация 2-галогенбензоилхлоридов с динуклеофилами – удобный метод построения конденсированных гетероциклов*. (Обзор) // Изв. АН. Сер. хим., 2004. № 6. С. 1091-1105. (Russ.Chem. Bull., International Edition, 2004. V. 53. No. 6, p. 1137-1152).
4. Носова Э.В., Липунова Г.Н., Чарушин В.Н. *Фторсодержащие производные конденсированных хинолинов и родственных систем: синтез и биологическая активность*. (Обзор) // Химия и биологическая активность хинолина и родственных систем (Избранные методы синтеза и модификации гетероциклов). М.: IBS PRESS, 2004. Т. 5.
5. Savel'eva E.A., Rozin Yu.A., Kodess M.I., Luc Van Meervelt. Wim Dehaen, Morzherin Yu.Yu., Bakulev V.A. *Synthesis of mesoionic [1,2,3]triazolo[5,1-d][1,2,5]triazepines* // Tetrahedron. 2004. V. 60. P. 5367-5372.
6. Sosnovskikh V.Ya., Usachev B.I., Sizov A.Yu., Kodess M.I. *Novel chemical modifications at the 4-position of chromones. Synthesis and reactivity of 4H-chromene-4-spiro-5-isoxazolines and related compounds* // Tetrahedron Lett. 2004. V. 45, No. 20. P. 7351-7354.
7. Krasnov V.P., Levit G.L., Kodess M.I., Charushin V.N., Chupakhin O.N. *N-Phthaloyl-(S)-alanyl chloride as a chiral resolving agent for the kinetic resolution of Heterocyclic amines* // Tetrahedron: Asymmetry. 2004. V. 15. P. 859-862.
8. Khudina O.G., Burgart Ya.V., Saloutin V.I., Chupakhin O.N. *Fluoroalkyl-containing 2-Arylhydrazono-1,3-dicarbonyl compounds in the reactions with ethylenediamine and polyethylenepolyamines* // J. Fluor. Chem. 2004. V.125, No. 3. P. 401-407.
9. Kotovskaya S. K., Romanova S.A., Charushin V.N., Kodess M.I., Chupakhin O.N. *5(6)-Fluoro-6(5)-R-benzofuroxans: synthesis and NMR  $^1H$ ,  $^{13}C$  and  $^{19}F$  studies* // J. Fluor. Chem. 2004. V. 125. P. 421-428.
10. Chizhov D.L., Sevenard D.V., Ljrc E., Pashkevich K.I., Rosenthaler G-V. *Fluorinated Pd(II)-1,3,5-triketonates: synthesis fyd molecular structure* // J. Fluor. Chem. 2004. V. 125, No. 4. P. 1137-1141.

11. Khudin O.G., Shchegol'kov E.V., Burgart Ya.V., Saloutin V.I., Chupakhin O.N. *The interaction of fluorinated 2-arylhudrazono-1,3-dicarbonyl compounds with o-phenylenediamine* // *J. Fluor. Chem.*, 2004. V. 125, No. 9. P. 1363-1370.
12. Chupakhin O.N., Kotovskaya S.K., Romanova S.A., Charushin V.N., Kodess M.I. *Asymmetrical 5-fluoro-6-R-benzofurazans and 5(6)-fluoro-6(5)-R-benzofuroxans: synthesis and NMR <sup>1</sup>H and <sup>19</sup>F studies.* // *J. Fluor. Chem.* 2004.
13. Nikitin E.D., Popov A.P., Bogatishcheva N.S., Yatluk Y.G. *Critical Temperatures and Pressures of Straight-Chain Saturated Dicarboxylic Acids (C4 to C14)* // *J. Chem. Eng. Data.* 2004. V. 49, No. 6. P. 1515-1520.
14. Kotovskaya S.K., Charushin V.N., Perova N.M., Kodess M.I., Chupakhin O.N. *Intramolecular Nucleophilic Substitution of Hydrogen in (Quinoxaliny-2)aminovinyl Derivatives as a New Approach to Pyrrolo- and Indolo[2,3-b]quinoxalines* // *Synthesis Commun.* 2004. V. 34, No. 14. P. 2531-2537.
15. Potemkin V.A., Krasnov V.P., Levi G.L., Bartashevich E.V., Andreeva I.N., Kuzminsky M.B., Anikin N.A., Charushin V.N., Chupakhin O.N. *Kinetic resolution of (±)-2,3-dihydro-3-methyl-4H-1,4-benzoxazine in the reaction with (S)-naproxen chloride: a theoretical study* // *Mendeleev Commun.* 2004. V. 14, No. 2. P. 69-71.
16. Levit G.L., Krasnov V.P., Demin A.M., Kodess M.I., Sadretdinova L.Sh., Matveeva T.V., Ol'shevskaya V.A., Kalinin V.N., Chupakhin O.N., Charushin V.N. *Kinetic resolution of 1-methyl- and 1-phenyl-3-amino-1,2-dicarbacyclo-dodecaboranes via acylation with chiral acyl chlorides* // *Mendeleev Commun.* 2004. V. 14, No. 6. P. 293-295.
17. Chupakhin O.N., Rusinov G.L., Itsikson N.A., Beresnev D.G., Nikolaeva I.L., Burilov A.R., Konovalov A.I. *The first case of direct coupling of heterocycles with calixarenes. Reaction of resorcinarenes with 1,2,4-triazin-5(2H)-ones* // *Heterocyclic Comm.* 2004. V.10, No. 1. P. 15-18.
18. Yachevskii D. S., Chizhov D. L., Kodess M.I., Pashkevich K. I. *Synthesis and Tautomeric Equilibrium of Polyfluoroacyl-Containing 1,5-Benzodiazepines* // *Monatshefte fur Chemie* (Chemical Monthly). 2004. V. 135. P. 23-30.
19. Itsikson N.A., Beresnev D.G., Rusinov G.L., Chupakhin O.N. *Acid-promoted direct C-C coupling of 1,3-diazines and 1,2,4-triazines with aryl-containing macrocyclic compounds and their open-chain analogues* // *ARKIVOC.* 2004 (xii). P. 6-13.
20. Geronikaki Ath.,.....Saloutin V. I., .....*Design, synthesis, computational and biological evaluation of new anxiolytics* // *Bioorganic & Medicinal Chemistr.* 2004. No. 12. P. 6559-6568.
21. Kogan G., Skorik Yu.F., ...Yatluk Yu.G., ....*Antioxidant and antivutagenic activitu of N-(2-cfrboxyethyl)chitosan* // *Technology and Applied Pharmakology*, 2004. V. 201. P. 303-310.
22. Chupakhin O.N., Rusinov G.L., Beresnev D.G. , Dashiroy S. Sh., Neves M.G.P.V.S., Cavaleiro J.A.S. *Direct introduction of heterocyclic units into*

*porphyrin derivatives* // Russ.Chem.Bull., International Edition. 2004. V. 53, No. 1. P. 160 -163.

23. Chupakhin O.N., Prokhorov A.M., Kozhevnikov D.N., Rusinov V.L., Glukhov I.A., Starikova Z.A., Ol'shevskaya V.A., Kalinin V.N., Antipin M.U. *Russ. Chem. Bull., International Edition*. 2004. V. 53, No. 6. P. 1223-1231.
24. Charushin V.N., Bogyslavsky A.M., Ponizovsky M.G., Kodess M.I., Chekhlov A.N., Mkoyan Sh.g., Aldoshin S.V. *New method for annelation of the pyridine fragment to azines* // Russ. Chem. Bull., International Edition. 2004. V. 53, No. 6. P. 1267-1271.
25. Slepukhin P.A., Rusinov G.L., Charushin V.N., Filyakova V.I., Karpenko N.S., Krivolapov D.V., Litvinov I.A. *Mono- and diadducts and bicyclic adducts in reactions of 2,3-dicyano-1-ethylpyrazinium cation with C- and O-nucleophiles* // Russ. Chem. Bull., International Edition. 2004. V. 53, No. 6. P. 1272-1278.
26. Mjchul'skaya N.N., Andreiko A.A., Kodess M.I., Vasil'eva E.B., Filyakova V.I., Gubaiddullin A.T., Litvinov I.A. , Sinyashin O.G., Alekandrov G.G., Charushin V.N. *Annelation of the thiazole to 1,2,4-triazines by tandem AN-AN or  $S_N^H$ -  $S_N^H$  reactions* // Russ. Chem. Bull., International Edition. 2004. V. 53, No. 6. P. 1279-1289.
27. Krasnykh O.P., Karpenko N.S., Filyakova V.I., Charushin V.N. *Unusual transformation of a fluoroalkyl-containing  $\beta$ -aminovinyl ketone* // Russ. Chem. Bull., International Edition. 2004. V. 53, No. 6. P. 1355-1356. (Letters to the Editor).
28. Krasnykh O.P., Karpenko N.S., Filyakova V.I. *Synthesis of 5-alkyl-4-polyfluoroacylpyrrole-2,3(1H)-diones* // Russ. Chem. Bull., International Edition. 2004. V. 53, No. 10. P. 2340-2341.
29. Saloutin V.I., Burgart Ya.V., Chupakhin O.N. *Fluorine- containing 2(3)-oxo esters, 2,4-dioxo esters and their analogs as precursors for construction of fluorheterocycles* // Scientific Advances in Chemistry: Heterocycles, Catalysis and Polymers as Driving Forges: 7<sup>th</sup> International ISTC sas Seminar. Ekaterinburg. 2004. P. 10-117.

## 2005 г.

1. Chupakhin O.N., Charushin V.N.  *$S_N^H$  Reactions: Aspects of creation of new environmentally acceptable technologies* (Обзор) // Green Chemistry in Russia. 2005. P. 19-28. ISBN: 88-88214-17-8.
2. Chupakhin O. N., Itsikson N. A., Morzherin Yu. Yu., Charushin V. N. *Anion Receptors* (Обзор) // Heterocycles. 2005. V. 66. P. 689-709.
3. Ициксон Н.А., Зырянов Г.В., Чупахин О.Н., Матерн А.И. *Гетеродимитонные рецепторы* (Обзор) // Успехи химии. 2005. Т. 74, № 8. С. 820-829.

4. Егоров И.Н., Зырянов Г.В., Русинов В.Л., Чупахин О.Н. *Ассиметрическая индукция в реакциях нуклеофильного присоединения в ряду ароматических азинов* (Обзор) // Успехи химии. 2005. Т. 74, № 12. С. 1176-1192.
5. Kozhevnikov V. N., Kozhevnikov D. N., Shabunina O. V., Rusinov V. L., Chupakhin O. N. *An efficient route to 5,5''-diaryl-2,2':6',2''-terpyridines through 2,6-bis(1,2,4-triazin-3-yl)pyridine* // Tetrahedron Lett. 2005. V. 46. P. 1521–1523.
6. Kozhevnikov V. N., Kozhevnikov D. N., Shabunina O. V., Rusinov V. L., Chupakhin O. N. *An efficient route to 5-(hetero)aryl-2,4'- and 2,2'-bipyridines through readily available 3-pyridyl-1,2,4-triazines* // Tetrahedron Lett. 2005. V. 46. P. 1791–1793.
7. Saloutina L.V., Zapevalov A.Ya., Saloutin V.I., Kodess M.I., Kirichenko V.E., Pervova M.G., Chupakhin O.N. *Synthesis of 2,3-bis(perfluoroalkyl)guinoxalines and 2,3-bis(perfluoroalkyl)-1,4-benzoxazines from oxides of internal perfluoreolefins* // J. Fluor. Chem. 2005. V.126, P. 976 -983.
8. Khudina O.G., Shchegol'kov E.V., Burgart Ya.V., Kodess M.I., Kazheva O.N., Chekhlov A.N., Shilov G.V., Dyachenko O.A., Saloutin V.I., Chupakhin O.N. *Synthesis and the reactions of trifluoromethylated 1,2,3-triketones 2-(het)arylhydrazones and 4,7-dihydroazolo[5,1-c]triazines* // J. Fluor. Chem. 2005. V. 126, No. 6. P. 1230-1238.
9. Chupakhin O. N., Itsikson N. A., Bashirov S. Sh., Beresnev D. G., Rusinov G. L. *Direct C-C Coupling of meso-Octamethylcalix[4]pyrrole with 6-Nitro-azolopyrimidines* // Heterocycles. 2005. V. 67. P. 543-548.
10. Duati Coppo M., Kozhevnikov V. N., Hofstraat J. W., De Cola L. *White-light emission from an assembly comprising luminescent iridium and europium complexes* // Angewandte Chemie. Int. Ed. 2005. V. 44. P. 1806-1810.
11. Kozhevnikov V.N., Kozhevnikov D.N., Shabunina O.V., Rusinov V.L., Chupakhin O.N., Zabel M., König B. *Synthesis, structure and luminescence of ruthenium complexes with 6-cyano-2,2'-bipyridine* // Mendeleev Commun. 2005. V.15. P. 6–8.
12. Kozhevnikov V.N., Shabunina O.V., Sharifullina A.R., Rusinov V.L., Chupakhin O.N., König B. *Aminomethyl bi- and terpyridines as luminescent probes for Zn<sup>2+</sup> ions* // Mendeleev Commun. 2005. V. 15. P. 8–9.
13. Kozhevnikov D.N., Kataeva N. N., Rusinov V. L., Chupakhin O. N., Aleksandrov G. G. *Transformations of 1,2,4-triazine 4-oxides to pyridazines and triazolo[4,3-b]pyridazines by the action of substituted acetonitriles* // Mendeleev Commun. 2005. V. 15. P. 31–33.
14. Charushin V.N., Kotovskaya S.K., Romanova S.A., Chupakhin O.N., Tomilov Yu.V., Nefedov O.M.. *4,5-Difluoro-1,2,-dehydrobenzne: generation and cycloaddition reactions* // Mendeleev Commun. 2005. V.15. P. 45-46.
15. Fokin A.S., Burgart Ya.V., Saloutin V.I, Chupakhin O.N. *Unexpected formation of pyridazine-5,6-dione derivatives in the reactions of 3-arylhydrazone-2,4-*

*dioxo-4-pentafluorophenylbutanoates with hydrazines* // *Mendeleev Commun.*. 2005. V. 15, No. 6. P. 252-253.

16. Kiskin M.A., Sidorov A.A., Fomina I.G., Rusinov G.L., Ishmetova R.I., Aleksandrov G.G., Shvedenkov Yu.G., Dobrokhotova Zh.V., Novotortsev V.M., Chupakhin O.N., Eremenko I.L., Moiseev I.I. *New manganese (II) 2D-polymer with deprotonated hydroxyltetrazine bridges* // *Inorg.Chem.Comm.*, 2005. V. 8. P. 524-528.
17. Nosova E.V., Mochul'skaya N.N., Kotovskaya S.K., Lipunova G.N., Charushin V.N. Fluorinated benzazoles and benzazines // *Heteroatom Chemistry*, 2005.
18. Korotaev V.Yu., Sosnovskikh V.Ya., Kutyashev I.B., Kodess M.I. *Synthesis of 2,3,4-trisubstituted chromans via nucleophilic addition of N-, C-, and S-nucleophiles to 3-nitro-2-trihalomethyl-2H-chromenes. Stereochemical and conformational preferences* // *Lett. Org. Chem.* 2005. V. 2, No. 7. P. 616-620.
19. Ol'shevskaya V.A., Ayuob R., Brechko Zh.G., Petrovskii P.V., Kononova E.G., Levit G.L., Krasnov V.P., Charushin V.N., Chupakhin O.N., Kalinin V.N. *Synthesis of Carborane Analogues of  $\gamma$ -Aminobutanoic Acid* // *J. Organometal. Chem.* 2005. V. 690, No. 11. P. 2761-2765.
20. Kodess M.I., Ezhikova M.A., Levit G.L., Krasnov V.P. Charushin V.N. *NMR determination of enantiomeric composition of 1-substituted 3-amino-1,2-dicarba-closo-dodecaboranes using Eu(hfc)<sub>3</sub>* // *J. Organomet. Chem.* 2005. V. 690, No. 11. P. 2766-2768.
21. Levit G.L., Demin A.M., Kodess M.I., Ezhikova M.A., Sadretdinova L.Sh., Ol'shevskaya V.A., Kalinin V.N., Krasnov V.P., Charushin V.N. *Acidic hydrolysis of 1-methyl- and 1-phenyl-3-amino-1,2-dicarba-closo-dodecaborane amides* // *J. Organomet. Chem.* 2005. V. 690, No. 11. P. 2783-2786.
22. Skorik Yu.A., C.A.R.Gomes,..., Yatluk Yu.G. *Complexation Models of N-(2-Garboxyethyl)chitosans with Copper(II) Ions* // *Biomacromolecules*. 2005. No. 6. P. 189-195.
23. Bushkova O.V., Andreev O.L., Batalov N.N., Shkerin S.N., Kuznetsov M.V., Koryakova O.V., Tyutyunnik A.P., Song E.H., Chung H.J. *Chemical interactions in the cathode half-element of lithium ion batteries. Part I. Thermodynamic simulation* // *J. Power Sources*. 2005.
24. Khandazhinskaya A.L., Deev S.L., Ulomsky E.N., Rusinov V.L., Chupakhin O.N. *A new Group of Nucleoside Mimics: Chemical Synthesis and Antiviral properties* // *Collection Symposium Series*. 2005. V.7. P. 409-411.
25. Pestov A.V., Peresypkina E.V., Virovets A.V., Podberezkaya N.V., Yatluk Y.G., Skorik Y.A. *Bis[N-(2-Hydroxyethyl)- $\beta$ -alaninato]copper (II)* // *Acta Cryst.* 2005. V. 61. P. 510-512.
26. Saloutin V.I., Burgart Ya.V., Chupakhin O.N. *Fluorine-containing 2(3)-oxo esters, 2,4-dioxo esters and their analogs as precursors for construction of fluoroheterocycles* // *Scientific Advances in Chemistry: Heterocycles, Catalysis and Polymers as Driving Forces: Plenary lectures 7<sup>th</sup> ISTC Seminar*. Russia, 2005. P. 107-117.

27. Skorik Yu.A., C.A.R. Gomes, Yatluk Yu.G. *Complexation and biological properties of N-(2-carboxyethyl)chitosans* // *Advances in Chitin Science*. Poznan: Institute of Plant Protection. 2005. V. 8. P. 79 – 84.
28. Balachov I., Yatluk Yu.G., Sevastianov V.V. *Low cost softc manufacturing process in Book: Ceramic Engineering an Science Proceedings. Proceedings of the 29<sup>th</sup> International Conference on Adfanced Ceramic and Composites in Solid Oxide Fuel Cells*, 2005. V. 26. P. 41-47.
29. Kononenko V.I., Churova I.A., Shvchenko V.G., Chupakhin O.N., Petrov L.A., Seleznev A.S. *New metal catalysts in Fisher-Tropsh reactions and CO conversion* // *The Proceedings for the 36<sup>th</sup> ISTC Japan Workshop on Catalysis in Russia/CIS*. Japan: Japan Science and Technology Agency (JST). 2005. P.58-66.
30. Krasnikova O.N., Andreikov E.I.. *Thermooxidation of petroleum and coal tar pitch blends*. Conference Carbon 2005. Korea, 2005.
31. Osintseva E.V. Yatluk Yu.G. *Optimisation and expansion of application area of N-arvi-3-aminopropionic acids complexes with copper(II) in Chemical Analysis* // *Fourth Israeli-Russian bi-national Workshop «The Optimisation of Composition, Structure and Properties of Metals, Oxides, Composites, nano- and amorphous Materials»*. Jerusalem – Tel-Aviv., 2005. P. 207-211.

## 2006 г.

1. Nosova E.V., Mochul'skaya N.N., Kotovskaya S.K., Lipunova G.N., Chrushin V.N. *Fluorinated Benzazoles and Bezazines* (Обзор) // *Heteroatom Chem.* 2006. V. 17. N 6. P. 579 – 594.
2. Burgart Ya.V., Saloutin V.I., Chupakhin O.N. *Fluorine-Containing 2-Functionalized 1,3-Dicarbonyl Compounds for Heterocyclic Synthesis* (Обзор) // *Heterocycles*. 2006. V. 69. P. 593-620.
3. Shchepin V.V., Silaychev P.S., Rakitin A.R., Kodess M.I. *Synthesis of 8-R-9c-alkyl-1-aryl-2-benzyl-1-hydroxy-1,2,9b,9c-tetrahydro-5-oxa-2-azacyclopenta[2,3]cyclopropa[1,2-a]-naphthalene-3,4-diones and reaction thereof with acetic anhydride* // *Tetrahedron Lett.* 2006. V. 47. N 4. P. 557-560.
4. Kozhevnikov D.N., Kozhevnikov V.N., Prokhorov A.M., Ustinova M.M., Rusinov V.L., Chupakhin O.N. *Consecutive nucleophilic substitution and aza Diels–Alder reaction—an efficient strategy to functionalized 2,2'-bipyridines* // *Tetrahedron Lett.* 2006. V. 47. N 4. P. 869–872.
5. Deryabina T.G., Belskaya N.P., Kodess M.I., Dehaen W., Toppet S., Bakulev V.A. *[3+2]- Versus [4+2]-cycloaddition reactions of 3-methylsulfanyl-2-arylazo-3-(pyrrolidin-1-yl)acrylonitriles with N-substituted maleimides involving pyrrolidine-derived azomethine ylide* // *Tetrahedron Lett.* 2006. V. 47. N 11. P. 1853-1855.
6. Kataev V.E., Strobykina I.Yu., Militsina O.I., Korochkina M.G., Fedorova O.V., Ovchinnikova I.G., Valova M.S., Rusinov G.L. *Isosteviol and some of its derivatives as receptors and carriers of amino acid picrates* // *Tetrahedron Lett.* 2006. V. 47. N 13. P. 2137-2139.

7. Kozhevnikov D.N., Shabunina O.V., Kopchuk D.S., Slepukhin P.A., Kozhevnikov V.N. *5-Aryl-2,2'-bipyridines as tunable fluorophores* // *Tetrahedron Lett.* 2006. V. 47. N 13. P. 7025–7029.
8. Egorov I.N., Zyrynov G.V., Ulomsky E.N., Rusinov V.L., Chupakhin O.H. *Asymmetric induction in the reactions of 3-aryl-1,2,4-triaxin-5(4H)-ones with C-nucleophiles* // *Tetrahedron Lett.* 2006. V. 47. N 13. P. 7485–7487.
9. Chupakhin O.N., Utепова I.A., Kovalev I.S., Rusinov V.L., Starikova Z.A. *Direct transition metal free C-C Coupling of Ferrocenyllithium and Azaheterocycles via Methodology of Nucleophilic Substitution of Hydrogen. Synthesis of 1-Azinylferrocenes and 1,1'-Diazinylferrocenes* // *Eur. J. Org. Chem.* 2006. N 12, P. 857–862.
10. Sosnovskikh V.Ya., Korotaev V.Yu., Chizhov D.L., Kutyashev I.B., Yachevskii D.S., Kazheva O.N., Dyachenko O.A., Charushin V.N. *Reaction of Polyhaloalkyl-Substituted Chromones, Pyrones, and Furanones with Salicylaldehydes as a Direct Route to Fused 2H-Chromenes* // *J. Org. Chem.* 2006. V. 71. P. 4538–4543.
11. Beresnev D.G., Itsikson N.A., Chupakhin O.N., Charushin V.N., Kodess M.I., Butakov A.I., Rusinov G.L., Morzherin Y.Y., Konovalov A.I., Antipin I.S. *One-step heterylation at upper rim of calyx[4]arene with 1,2,4-triazin-5(2H)-ones* // *J. Org. Chem.* 2006. V. 71. P. 8272–8275.
12. Makarycheva-Mikhailova F.V., Gushchin P.V., Kopylovich V.N., Ganebnykh I.N., Charushin V.N., Haukka M., Pombeiro A.J.L., Kukushkin V.YU. *Ni (II)-Mediated nitrosation of oximes bearing an α-CH<sub>2</sub> group* // *Inorg. Chem. Commun.* 2006. N 9. P. 869–871.
13. Ponomareva A.Yu., Beresnev D.G., Itsikson N.A., Chupakhin O.N., Rusinov G.L. *Synthesis of [2,3-b]thieno-and furoguinoxalines by the S<sub>N</sub><sup>H</sup> and S<sub>N</sub><sup>ipso</sup> reactions of 2-substituted guinoxalines with acetophenones* // *Mendeleev Commun.* 2006. V. 16. N 1. P. 16–18.
14. Rusinov G.L., Slepukhin P.A., Charushin V.N., Dyachenko O.A., Kazheva O.N., Chekhlov A.N., Verbitsky E.V., Kodess M.I., Chupakhin O.N. *Chemistry of O- and C-adducts derived from 1,4-diazinium salts: use of tetrahydropyrazines in the synthesis of condensed systems* // *Mendeleev Commun.* 2006. V. 16. N 1. P. 26–29.
15. Chupakhin O.N., Beresnev D.G., Itsikson N.A. *One-step hetarylation of steroids: regioselective synthesis of new estrone derivatives* // *Mendeleev Commun.* 2006. V. 16. N 2. P. 95–96.
16. Pryadeina M.V., Burgart Y.V., Khudina O.G., Saloutin V.I., Chupakhin O.N. *New reactions of fluorinated 2,4-dioxoesters with aromatic aldehydes* // *Mendeleev Commun.* 2006. V. 16. N 3. P. 188–189.
17. Chizhov D.L., Röschenhalar G.-V. *Reaction of trifluoromethylated β-alkoxyenones with tris(trimethylsilyl) phosphite: a temperature influence on regioselectivity* // *J. Fluor. Chem.* 2006. N 127. P. 235–239.

18. Sevenard D.V., Kazakova O., Chizhov D.L., Röschenthaler G.-V. *Synthesis of 1,1,1,7,7,7-hexafluoroheptane-2,4,6-trione, the simplest fluorinated 1,3,5-triketone* // *J. Fluor. Chem.* 2006. N 127. P. 983–986.
19. Khudina O.G., Schegol'kov E.V., Burgart Ya.V., Saloutin V.I., Kodess M.I., Chupakhin O.N. *Recyclization of 7-fluoroalkyl-4,7-dihydroazolo[5,1-c][1,2,4]triazines into 5-(pyrazolinylhydrazono)azoles in the reactions with hydrazides and thiosemicarbazides* // *Heterocycles*. 2006. V. 68, N 12.
20. Shcherbakov K.V., Burgart Ya.V., Saloutin V.I., Chupakhin O.N. *Transformations of 4-Hydroxy-5,6,7,8-tetrafluorocoumarin Derivatives with Monoamines* // *Heterocycles*. 2006. V. 69.
21. Rusinov G.L., Ishmetova R.I., Ganebnykh I.N., Chupakhin O.N. *Hetaryl displacement in 3,6-disubstituted 1,2,4,5-tetrazines with anhydro bases of N-methylquinaldiniums* // *Heterocycles Commun.* 2006. V. 12. N 2. P. 99-102.
22. Prokhorov A. M., Kozhevnikov D. N., Rusinov V. L., Chupakhin O. N., Glukhov I. V., Antipin M. Yu., Kazheva O. N., Chekhlov A. N., Dyachenko O. A. *Carborane-Functionalized Polyaza Aromatic Ligands: Synthesis, Crystal Structure, and a Copper(II) Complex* // *Organometallics*, 2006. N 25. P. 2972–2977.
23. Nikitin E.D., Popov A.P., Yatluk Yu.G. *Critical Pressures and Temperatures of n-Diaminoalkanes (C<sub>2</sub> to C<sub>12</sub>)* // *J. Chem. Eng. Data*. 2006. V. 51. P. 609-611.
24. Nikitin E.D., Popov A.P., Yatluk Yu.G. *Critical Temperatures and Pressures of 12 Phthalates Using the Pulse-Heating Method* // *J. Chem. Eng. Data*. 2006. V. 51. P. 1326-1330.
25. Nikitin E.D., Popov A.P., Yatluk Yu.G. *Critical-Point Measurements for Phenyletanoic to 7-Phenylethanoic Acids* // *J. Chem. Eng. Data*. 2006. V. 51. P. 1335-1338.
26. Bushkova O.V., Andreev O.L., Batalov N.N., Shkerin S.N., Kuznetsov M.V., Koryakova O.V., Tyutyunnik A.P., Song E.H., Chung H.J. *Chemical interactions in the cathode half-cell of lithium-ion batteries. Part I. Thermodynamic simulation* // *J. Power Sources*. 2006. V. 157. P. 477-482.

**2007 г.**

1. Пестов А.В., Ятлук Ю.Г. *Карбоксилкированные производные хитина и хитозана*. (Монография). Екатеринбург: Изд-во УрО РАН, 2007. 102 с. ISBN 5-7691-1773-7.
2. Водянкина О.В., Курина Л.Н., Петров Л.А., Князев А.С. *Глиоксаль*. (Монография). М.: Академия, 2007. 248 с. ISBN 978-87444-268-2.
3. *Актуальные проблемы органического синтеза и анализа* (Монография) // Екатеринбург: УрО РАН. 2007. 157 с. ISBN 5-7691-1841-5.
4. Носова Э.В., Липунова Г.Н., Чарушин В.Н. *Фторсодержащие производные конденсированных хинолинов и родственных систем: синтез и*

**биологическая активность.** (Обзор) // Избранные методы синтеза и модификации гетероциклов. Хинолины: химия и биологическая активность / Под ред. Карцева В.Г. М.: Издано Международным благотворительным фондом «Научное Партнерство», МБФНП (International Charitable Scientific Partnership Foundation, ICSPF). 2007. Т 6. С. 195-234.

5. Rusinov G.L., Gorbunov E.B., Charushin V.N., Chupakhin O.N. *An unusual aromatization of dihydropyrimidines facilitated by reduction of the nitro group* // *Tetrahedron Lett.* 2007. V. 48. P. 5873-5876.
6. Sosnovskikh V.Ya., Irgashev R.A., Khalymbadzha I.A., Slepukhin P.A. *Stereoselective hetero-Diels-Alder reaction of 3-(trifluoroacetyl)chromones with cyclic enol ethers. Synthesis of 3-aryl-2-(trifluoromethyl)pyridines with  $\omega$ -hydroxyalkyl groups* // *Tetrahedron Lett.* 2007. V. 48. P. 6297-6300.
7. N.P. Belskaia, T.G. Deryabina, A.V. Koksharov, M.I. Kodess, W. Dehaen, A.T. Lebedev, V.A. Bakulev. *A novel approach to fused 1,2,4-triazines by intramolecular cyclization of 1,2-diaza-1,3-butadienes bearing allyl(propargyl)sulfanyl and cyclic tert-amino groups* // *Tetrahedron Lett.* 2007. V. 48. P. 9128-9131.
8. Sevenard D.V., Kazakova O., Lork E., Dülcks T., Chizhov D.L., Röschenhaller G.-V. *The structure of 4-phenyl-2,6-bis(trifluoroacetyl)cyclohexanone and its dilithium salt in the crystal state, solution and gas phase* // *J. Mol. Struct.* 2007. V. 846. P. 87-96.
9. Layeva A.A., Nosova E.V., Lipunova G.N., Trashakhova T.V., Charushin V.N. *A new approach to fluorinated 4(3H)-quinazolinones* // *J. Fluor. Chem.* 2007. V. 128. P. 748-754.
10. Boltachova N.S., Fedorova O.V., Ovchinnikova I.G., Kazheva O.N., Chekhlov A.N., Dyachenko O.A., Rusinov G.L., Filyakova V.I., Charushin V.N. *Fluorinated lithium 1,3-diketonates as reagents to modify podands and crown-ethers* // *J. Fluor. Chem.* 2007. V. 128. P. 762-768. FLUOR 6901.
11. Saloutina L.V., Zapevalov A.Ya., Saloutin V.I., Slepukhin P.A., Kodess M.I., Kirichenko V.E., Pervova M.G., Chupakhin O.N. *A route to fluorocontaining N,S-heterocycles via octafluoro-2,3-epoxybutane* // *J. Fluor. Chem.* 2007. V. 128. P. 769-778.
12. Shchegol'kov E.V., Burgart Ya.V., Saloutin V.I. *The transformations of fluoroalkyl-containing 2-arylhydrazono-1,3-dicarbonyl compounds with methylamine* // *J. Fluor. Chem.* 2007. V. 128. P. 779-788.
13. Korotaev V.Yu., Kutyashev I.B., Sosnovskikh V.Ya., Kodess M.I. *Stereoselective synthesis of N-unsubstituted pyrazolidines from 3-nitro-2-trichloromethyl-2H-chromenes and hydrazine hydrate* // *Mendeleev Commun.* 2007. V. 17, N 1. P. 52-53.
14. Charushin V.N., Chupakhin O.N. *Nucleophilic aromatic substitution of hydrogen and related reactions* // *Mendeleev Commun.* 2007. V. 17, N 8. P. 249-254.
15. Sevenard D.V., Kazakova O., Chizhov D.L., Yachevskii D.S., Lork E., Poveleit J., Charushin V.N., Röschenhaller G.-V. *Halogenation of Fluorinated 1,3,5-Triketones* // *Helvetica Chimica Acta*. 2007. V. 90. P. 369-384.

16. Nikkin E.D., Popov A.P., Yatluk Yu.G. *Critical Point Measurements for w-Alkyl Benzoates (C<sub>8</sub> to C<sub>13</sub>)* // *J. Chem. Eng. Data.* 2007. V. 52. P. 1336-1339.
17. Krasnov V.P., Vigorov A.Yu., Nizova I.A., Matveeva T.V., Grishakov A.N., Bazhov I.V., Tumashov A.A., Ezhikova M.A., Kodess M.I. *Synthesis of 4-Amino Derivatives of 5-Oxoproline* // *Eur. J. Org. Chem.* 2007. Iss. 25. P. 4257-4266.
18. Levit G.L., Krasnov V.P., Gruzdev D.A., Demin A.M., Bazhov I.V., Sadretdinova L.Sh., Olshevskaya V.A., Kalinin V.N., Cheong Ch. S., Chupakhin O.N., Charushin V.N. *Synthesis of N-[(3-amino-1,2-dicarba-closo-dodekaboran-1-YV)-acetyl] derivatives of α-amino acid* // *Carborane Amino Acid* / 2007. V. 72. N 12. P. 1697-1706.

### **2008 г.**

1. V. N. Charushin, V.L. Rusinov, O.N. Chupakhin. *1,2,4 – Triazines and their Benzo Derivatives.* (Монография) // *Comprehensive Heterocyclic Chemistry III*, AR Katritzky, CA Ramsden, EFV Scriven and RJK Taylor, Eds.; Elsevier: Oxford. 2008. V. 9. P. 95 – 196.
2. О.Н. Чупахин, Н.А. Ициксон. *S<sub>N</sub><sup>H</sup> – реакции в синтезе макроциклов.* (Обзор) // Химия в интересах устойчивого развития. 2008. Т. 16. С. 119-131.
3. А. А. Лаева, Э. В. Носова, Г. Н. Липунова, В. Н. Чарушин. *Фторарены в синтезе бензоаннелированных азот содержащих гетероциклов.* (Обзор) // Изв. АН. Сер. хим. 2008. № 5. С. 931-966.
4. В.Л. Русинов, Е.Н. Уломский, О.Н. Чупахин, В.Н. Чарушин. *Азоло-[5.1-c]-1,2,4-триазины – новый класс противовирусных соединений.* (Обзор) // Изв. АН, Сер. хим. 2008. № 5.С. 967-995.
5. Н.А. Ициксон, Ю.Ю. Моржерин, А.И. Матерн, О.Н. Чупахин. *Анионные рецепторы* // Успехи химии. 2008. Т.77 (9). С. 803-816. (Обзор). (Russian Chemical Reviews. 2008. V. 77 (9), p. 751-764).
6. A. Utепова, O.N. Chupakhin, V.N. Charushin. *Azinylferrrocenes: synthesis and properties* (Обзор) // *Heterocycles.* 2008. Vol. 76, No. 1, p. 39-72. Review.
7. V.P. Krasnov, I.A.Nizova, A.Yu. Vigorov, T.V. Matveeva, G.L. Levit, P.A. Slepukhin, M.A. Ezhikova, M.I. Kodess. *Structure and Properties of 4-Amino Derivatives of 5-Oxoproline* // *Eur. J. Org. Chem.* 2008.No. 10. P. 1802-1810.
8. V.Ya. Sosnovskikh, R.A. Irgashev, M.I. Kodess. *One-pot three-component reaction of 3-(polyfluoroacyl)chromones with active methylene compounds and ammonium acetate: regioselective synthesis of novel R<sup>F</sup>-containing nicotinic acid derivatives* // *Tetrahedron.* 2008. V. 64. N 13. P. 2997-3004.
9. V.Yu. Korotaev, V.Ya. Sosnovskikh, I.B. Kutyashev, A.Yu. Barkov, E.G. Matochkina, M.I. Kodess. *A simple and convenient synthesis of 4-methyl-3-nitro-2-trihalomethyl-2H-chromenes from N-unsubstituted imines of 2-hydroxyacetophenones and trichloro(trifluoro)ethylidene nitromethanes* // *Tetrahedron.* 2008. V. 64. N 22. P. 5055-5060.
10. A.M. Prokhorov, P.A. Slepukhin, V.L. Rusinov, V.N. Kalinin, D.N. Kozhevnikov. *9-Allyl-1,7-dicarbaborane as dienophile in aza Diels-Alder*

*reactions of 1,2,4-triazines: synthesis of pyridines bearing the carborane cage // Tetrahedron Lett.* 2008. V. 49. P. 3785–3789.

11. V.N. Kozhevnikov, M.M. Ustinova, P.A. Slepukhin, A. Santoro, D.W. Bruce, D.N. Kozhevnikov. *From 1,2,4-triazines towards substituted pyridines and their cyclometallated Pt complexes // Tetrahedron Lett.* 2008. V. 49. P. 4096–4098.
12. A.M. Prokhorov, P.A. Slepukhin, D.N. Kozhevnikov. *CuCl<sub>2</sub> induced reactions of 6-ethynyl- and 6-cyano-5-aryl-2,2'-bipyridines with various N- and O-nucleophiles in comparison with the reactions of relative 1,2,4-triazines. J. Organometallic Chem.* 2008. V. 693. P. 1886–1894.
13. I.N. Egorov, B. König, V.L. Rusinov, O.N. Chupakhin. *Diastereoselective synthesis of 3-substituted asylamino-3,4-dihydro-1,2,4-triazinones // Mendeleev Commun.* 2008. N 18. P. 99-101.
14. E.D. Nikitin, A.P. Popov V.A. Simakina. *Vapor-Liquid Critical Properties of Some Tetraalkoxysilanes // Chem. Eng. Data.* 2008. V. 53. P. 1371–1374.
15. G.L. Levit, V.P. Krasnov, D.A. Gruzdev, A.M. Demin, I.V. Bazhov, L.Sh. Sadretdinova, V.A. Ol'shevskaya, V.N. Kalinin, Ch.S. Cheong, O.N. Chupakhin, V.N. Charushin. *Synthesis of N-[(3-Amino-1,2-dicarba-closo-dodecaboran-1-yl)-acetyl]derivatives of α-Amino Acids // Collection of Czechoslovak Chemical Communications.* 2007. V. 72 (12). P. 1697-1706.
16. V.E. Kataev, O.I. Militsina, I.Yu. Strobykina, AT. Gubaidullin, V.V. Zverev, O.N. Kataeva, O.V. Fedorova, M.S. Valova, G.L. Rusinov. *Diesters on the basis of 16-hydroxyisosteviol and dicarboxylic acids as carriers of Fe(III) picrates // J Incl. Phenom Macrocycl Chem.* 2008. V. 60. N 1-2. P. 51-58.
17. D.L. Chizhov, V.Ya. Sosnovskikh, M.V. Pryadeina, Ya.V. Burgart, V.I. Saloutin, V.N. Charushin. *The first synthesis of 4-unsubstituted 3-(trifluoroacetyl)coumarins by the Knoevenagel condensation of salicylaldehydes with ethyl trifluoroacetoacetate followed by chromene-coumarin recyclization // Synlett.* 2008. N. 2. P. 281-285.
18. D.V. Sevenard, O. Kazakova, R.-M. Schoth, E. Lork, D.L. Chizhov, J. Poveleit, G.-V. Rosenthaler. *Aromatization via a dibromination–double dehydrobromination sequence: a facile and convenient synthetic route to 2,6-bis(trifluoroacetyl)phenols // Synthesis.* 2008. N. 12. P. 1867-1878.
19. A.V. Pestov, Y.A. Skorik, G. Kogan, Y.G. Yatluk. *Alkylation of chitosan by β-halopropionic acids in the presence of various acceptors // J. of Applied Polymer Science.* 2008. V. 108. N. 1. P. 119-127.
20. O.V. Bushkova, I.P. Koryakova, Yu.A. Skorik, B.I. Lirova, A.V. Pestov, V.M. Zhukovsky. *Influence of metal coordination on conductivity behavior in poly(butadiene-acrylonitrile)-CoCl<sub>2</sub> system // Electrochimica Acta.* 2008. V.53. P. 5322-5333.
21. Pryadeina M.V., Burgart Ya.V., Saloutin V.I., Chupakhin O.N. *Ring-chain isomerism of 7-polyfluoroalkyl-7-hydroxy-4,7-dihydro[1,2,4]triazolo[1,4-a]pyrimidine-6-carboxylates // Mendeleev Commun.* 2008. V. 18. N 5. P. 276-277.

22. V.Ya. Sosnovskikh, I.A. Khalymbadzha, R.A. Irgachev, P.A. Slepukhin. *Stereoselective hetero-Diels-Alder reaction of 3-(polyfluoroacyl)chromones with enol ethers. Novel synthesis of 2-R<sup>F</sup>-containing nicotinic acid derivatives* // *Tetrahedron*. 2008. V. 64. P. 10172-10180.
23. Sosnovskikh V.Ya., Moshkin V.S., Kodess M.I. *A reinvestigation of the reactions of 3-substituted chromones with hydroxylamine. Unexpected synthesis of 3-amino-4H-chromeno[3,4-d]-isoxazol-4-one and 3-(diaminomethylene)chroman-2,4-dione* // *Tetrahedron Lett.* 2008. V. 49. No 48, P. 6856-6859.
24. V.N. Kozhevnikov, O. V. Shabunina, D. S. Kopchuk, M. M. Ustinova, B. Koenig, D. N. Kozhevnikov, *Facile synthesis of 6-aryl-3-pyridyl-1,2,4-triazines as a key step towards highly fluorescent 5-substituted bipyridines and their Zn(II) and Ru(II) complexes* // *Tetrahedron*. 2008. 64, 8963–8973.

**2009 г.**

1. Kozhevnikov D.N., Kozhevnikov V.N. *Triazines, Tetrazines and Fused Ring Polyaza Systems (2007)* (Монография) // *Progress in Heterocyclic Chemistry*. 2009. Vol. 21. P. 415-434. (G. W. Gribble, J. A. Joule, Eds.; Elsevier: Oxford, Amsterdam) (ISBN: 978-0-08-096515-4).
2. Болтачёва Н.С., Филякова В.И., Хмара Е.Ф., Корякова О.В., Чарушин В.Н. *Синтез и строение фторалкилсодержащих 1,3-дикетонатов лития* (Обзор) // *Рос. хим. журн.* 2009. Т. LIII. № 1. С. 54-63.
3. Филякова В.И., Чижов Д.Л., Хмара Е.Ф., Чарушин В.Н. *Хелатные комплексы фторалкилсодержащих енаминооктонов* (Обзор) // *Рос. хим. журн.* 2009. Т. LIII. № 1. С. 64-73.
4. Липунова Г.Н., Носова Э.В., Чарушин В.Н. *Металлокомплексы фторхинолонкарбоновых кислот* (Обзор) // *Рос. хим. журн.* 2009. Т. LIII. № 1. С. 74-85.
5. Первова И.Г., Липунова Г.Н., Резинских З.Г., Липунов И.Н. *Строение координационных соединений переходных металлов с полидентатными формазанами* (Обзор) // *Рос. хим. журн.* 2009. Т. LIII. № 1. С. 94-99.
6. Липунов И.Н., Первова И.Г., Липунова Г.Н., Горбатенко Ю.А., Сигейкин Г.И., Барачевский В.А. *Формазанаты металлов как компоненты оптических сред, красители, катализаторы* (Обзор) // *Рос. хим. журн.* 2009. Т. LIII. № 1. С. 152-163.
7. Носова Э.В., Липунова Г.Н., Чарушин В.Н. *Фторсодержащие хиназолины, их окса- и тиааналоги: синтез и биологическая активность* (Обзор) // *Успехи химии.* 2009. Т. 78. № 5. С. 421-441.
8. Kozhevnikov D.N., Kozhevnikov V.N., Ustinova M.M., Santoro A., Bruce D.W., Koenig B., Czerwieniec R., Fischer T., Zabel M., Yersin H. *Synthesis of cyclometallated platinum complexes with substituted thienylpyridines and detailed characterization of their luminescence properties* // *Inorg. Chem.*. 2009. V. 48. P. 4179–4189.

9. Shestakova T.S., Deev S.L., Ulomskii E.N., Rusinov V.L., Kodess M.I., Chupakhin O.N. *The synthesis of labeled azolo-1,2,4-triazines with <sup>15</sup>N isotope in the azolo and azine rings* // ARKIVOC. 2009. V. IV. P. 69-78.
10. Deev S.L., Shestakova T.S., Rusinov V.L., Chupakhin O.N., Shashkov A.S. *Non-natural nucleosides based on 1,2,4-triazolo[5,1-c][1,2,4]triazin-4(6H)-ones* // ARKIVOC. 2009. V. IV. P. 196-207.
11. Chupakhin O.N., Varaksin M.V., Utепова I.A., Rusinov V.L. *S<sub>N</sub><sup>H</sup> Reactions of ferrocenyllithium and azine N-oxides* // ARKIVOC. 2009. V. IV P. 208-220.
12. Sevenard D. V., Khomutov O. G., Boltachova N. S., Filyakova V. I., Vogel, V., Lork E., Sosnovskikh V. Ya., Iaroshenko V. O., Röschenthaler G.-V. *Metal and Boron Derivatives of Fluorinated Cyclic 1,3-Dicarbonyl Compounds* // Z. Naturforsch. 2009. V. 64b. P. 541 – 550.
13. Shcherbakov K.V., Burgart Ya.V., Saloutin V.I. *Transformations of 3-(1-aminoethylidene)-5,6,7,8-tetrafluorobenzopyran-2,4-dione with hydrazines* // Heterocycles. 2009. V. 78. N 2. P. 347-356.
14. Goryaeva M.V., Burgart Ya.V., Saloutin V.I., Sadchikova E.V., Ulomskii E.N. *Synthesis of fluoroalkylated dihydroazolo[1,5-a]pyrimidines and their ring-chain isomerism* // Heterocycles. 2009. V. 78. N 2. P. 435-447.
15. Rusinov G.L., Verbitskiy E.V., Slepukhin P.A., Zabelina O.N., Kodess, M.I., Ezhikova M.A, Charushin V.N., Chupakhin O.N. *Reactions of radicals generated from 1-ethyl-1,4-diazinium salts: addition to the C-C triple bond versus dimerization* // Heterocycles. 2009. V. 78. N 9. P. 2315-2324.
16. Belskaya N.P., Bakulev V.A., Deryabina T.G., Subbotina J.O., Kodess, M.I., Dehaen W., Toppet S., Robeyns K., Meervelt L. V. *3-Alkylsulfanyl-2-aryazo-3-(pyrrolidin-1-yl)-acrylonitriles as marked 1,3-depoles* // Tetrahedron. 2009. V. 65. P. 7662-7672.
17. Prokhorov A.M., Makosza M., Chupakhin O.N. *Direct introduction of acetylene moieties into azines by methodology* // Tetrahedron Lett. 2009. V. 50. P. 1444-1446.
18. Usachev B.I., Obydenov D.L., Kodess M.I., Sosnovskikh V.Ya. *Regioselective solvent-sensitive reactions of 6-(trifluoromethyl)comanic acid and its derivatives with phenylhydrazine* // Tetrahedron Lett. 2009. V. 50. P. 4446-4448.
19. Sosnovskikh V.Ya., Moshkin V.S., Kodess M.I. *Structural revision in the reactions of cyanochromones with primary aromatic amines. Improved synthesis of 2-amino-3-(aryliminomethyl)chromones* // Tetrahedron Lett. 2009. V. 50. P. 6515-6518.
20. Chupakhin O.N., Utепова I.A., Varaksin N.V., Tretyakov E.V., Romanenko G.V., Stass D.V., Ovcharenko V.I. *S<sub>N</sub><sup>H</sup> Approach in the Synthesis of Nitronyl Nitroxides* // J. Org. Chem. 2009. V. 74. P. 2870-2872.
21. Rusinov G.L., Verbitskiy E.V., Slepukhin P.A., Zabelina O.N., Ganenykh I.N., Kalinin V.N., Ol'shevskaya V.A., Charushin V.N. *A new approach to incorporate the carbonyl fragment into 2,5-diazabicyclo[2.2.2]oct-2-enes* // Mendeleev Commun. 2009. V. 19. P. 243-245.

22. Bazhin D.N., Gorbunova T.I., Zapevalov A.Ya., Saloutin V.I. *Synthesis of new perfluoroalkyl-containing polyethers* // *J. Fluor. Chem.* 2009. V. 130. N 4. P. 438-443.
23. Saloutina L.V., Zapevalov A.Ya., Saloutin V.I., Slepukhin P.A., Kodess M.I., Chupakhin O.N. *Synthesis of fluorine containing glycolurils and oxazolines from oxides of internal perfluoroolefins* // *J. Fluor. Chem.* 2009. V. 130. 853-860.
24. Belykh D.V., Tarabukin I.S., Gruzdev I.V., Kodess M.I., Kutchin A.V. *Aminomethylation of chlorophyll a derivatives using bis(N,N-dimethylamino)methane* // *J. Porphyrins and Phthalocyanines.* 2009. V. 9. P. 949-956.
25. Zubkov V.G., Leonidov I.I., Tyutyunnik A.P., Tarakina N.V., Surat L.L., Perelyaeva L.A., Baklanova I.V., Koryakova O.V. *Luminescence in  $\text{Ln}_2\text{CaGe}_4\text{O}_{12}$  under infrared laser excitation* // *J. Luminescence.* 2009. V. 129. P. 1625-1628.
26. Gavilan K. C., Pestov A. V., Garcia H. M., Yatluk Yu. G., Roussy J., Guibal E. *Mercury sorption on a thiocarbamoyl derivative of chitosan* // *J. Hazard. Mater.* 2009. V. 165. P. 415–426.
27. Bratskaya S.Yu., Golikov A. P., Pestov A. V., Voit A.V., Yatluk Yu.G., Avramenko V.A. *Heavy metals removal by flocculation/precipitation using N-(2-carboxyethyl) chitosans* // *Colloids. Surf. A.* 2009. V. 339. P. 140–144.