

Section

CHEMISTRY OF MOLECULAR SYSTEMS

1. *A.Yu. Arlovich, Y.N. Yurkshtovich, A.A. Aleinikava, A.V. Blokhin, M.B. Charapennikau.* **Thermodynamic properties of some furan derivatives in different aggregate states.** Belarusian State University, Minsk, Belarus.

https://drive.google.com/file/d/1hHyWlcRI_8yORa6KOkwe6qBXnT4d_g6W/view?usp=sharing

2. *B.E. Babamuratov, X.X. Turaev, A.T. Djalilov, H.S. Beknazarov.* **Synthesis of cellulose carbamate and its properties.** Termez State University; Tashkent Research Institute of Chemical Technology. Tashkent, Uzbekistan.

<https://drive.google.com/file/d/1MD68C-avuj52pKWpAOruZUqXkgt6KlvX/view?usp=sharing>

3. *A.V. Blokhin, Y.N. Yurkshtovich, A.V. Zuraev, C.M. Verbilo.* **Thermodynamic Parameters of Poly—Vinyltetrazole and its Cu(II)- and Ag(I)-containing Derivatives.** Chemical Faculty, Belarusian State University, Minsk, Republic of Belarus; Research Institute for Physical Chemical Problems of the Belarusian State University, Minsk, Republic of Belarus.

https://drive.google.com/file/d/1_81t_SOqRYkjDxCiB84tNEo0gwQJ8myP/view?usp=sharing

4. *V.A. Budevich, A.A. Kudlasevich, A.V. Zuraev, O.A. Ivashkevich.* **Functionalization of mesoionic(1,3-di-tert-butyl- tetrazolium-5-yl)amide with benzyl chloride.** Research Institute for Physical Chemical Problems of the Belarusian State University, Minsk, Republic of Belarus; Chemical Faculty, Belarusian State University, Minsk, Republic of Belarus.

5. *D. Gafurova, D. Shakhidova, M. Mukhamediev, M. Mirakbarov, D. Bekchanov, V. Soldatov, E. Kosandrovich.* **Ion-exchange polymer complexing materials based on polyacrylonitrile.** National University of Uzbekistan, Tashkent, Uzbekistan; National Research University Higher School of Economics, St. Petersburg, Russia; Institute of Physical and Organic Chemistry, NAS of Belarus, Minsk, Belarus.

6. *Y.V. Grigoriev, E.Y. Grigoriev, O.A. Ivashkevich.* **Selective synthesis of 1-R-5-phenyltetrazoles.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.

7. *Y.V. Grigoriev, O.A. Ivashkevich.* **Methylation of 5-phenyltetrazole with dimethyl carbonate.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.

8. *M.M. Degtyarik, S.V. Voitekhovich, A.S. Lyakhov, L.S. Ivashkevich, O.A. Ivashkevich.* **Direct synthesis and crystal structure of metal(II) thiocyanate complexes with 1-alkyl-1,2,4-triazoles.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.

9. *K.I. Dubatouka, E.V. Koroleva, R.A. Oparenka, T.T. Quoc.* **Liposomal murrayafoline a modified with chitosan-folic acid conjugate.** Institute of Chemistry of New Materials NASB, Minsk, Belarus; Belarusian State Technological University, Minsk, Belarus; Institute of Natural Products Chemistry, Vietnam Academy of Science and Technology, Hanoi, Vietnam.

<https://drive.google.com/file/d/1ViH5NhGIPq9JcLzU51PSUk4eEQyPunb/view?usp=sharing>

10. *O. Dzeikala, M. Prochoń.* **Creating new agrotexile with nourishing properties.** Lodz University of Technology, Łódź, Poland.

11. *T. Henarava, S. Leshev.* **Concentration of PAHs from exhaust gases.** A.V. Luikov Heat and Mass Transfer Institute of NAS of Belarus, Minsk, Belarus; Belarusian State University, Minsk, Belarus.

<https://drive.google.com/file/d/1JXLC3XAsP8Hk8FLIfVHGmESvhNpVgZPi/view?usp=sharing>

12. *I.S. Ivanova, A.S. Popov.* **Correlation of different bioindicators in the analysis of the toxic effects of various aluminum salts.** N-WSMU named after I.I. Mechnikov, St.Petersburg, Russia.

<https://drive.google.com/file/d/1PCOXM5AnMGY-Q2rJl4kwEAU9vs2wUr8I/view?usp=sharing>

13. *V.V. Kavalenka, N.P. Erchak.* **Hydroxyalates of γ -aminopropylsilanes as potential growth regulators of plants.** Brest State A.S. Pushkin University, Brest, Belarus.

<https://drive.google.com/file/d/1XV4u4UU6BxMkHJnZU-HUVN-Yb8gi8vQf/view?usp=sharing>

14. *A.I. Kovtun, A.G. Mysyura.* **Influence of DMSO addition on swelling of chitosan lactate films.** Institute of Applied Problems of Physics and Biophysics, Ukrainian National Academy of Sciences, Kyiv, Ukraine.
15. *E.T. Krutko, L.B. Yakimtsova.* **Modified epoxy coatings with aminoimide-containing oligomers.** Belarusian State Technological University, Belarusian State University, Minsk, Belarus.
16. *V.I. Kulikouskaya, K.S. Hileuskaya, A.N. Kraskouski, A.V. Zhura, S.I. Tratsyak, V.I. Agabekov.* **Fabrication of polysaccharide-based multilayer films with antibacterial properties.** Institute of Chemistry of New Materials of National Academy of Sciences of Belarus, Belarus; Belarusian State Medical University, Belarus.
17. *T.T. Lakhvich, M.I. Borava, A.T. Lakhvich.* **Structure activity relationship studies on KasA: aldonamides' affinity to receptor in context of TB drug design.** Belarusian state medical university, Minsk, Belarus.
<https://drive.google.com/file/d/1Uimj7ouxedYIijayKulwHQHvNwqdJezX/view?usp=sharing>
18. *T. Lakhvich, S. Haluts, H. Turavets.* **Influence of functionality and stereochemistry on the solubility of mono- and heterofunctional oxo-compound.** Belarusian state medical university, Minsk, Belarus.
19. *Y.P. Lamekina, E.A. Ulashchik, T.P. Akhlamionok, V.V. Normantovich, O.L. Sharko, V.V. Shmanai.* **Nanoporous support for automated synthesis of cyclooctyne oligonucleotides and further solid-phase copper-free modification.** Institute of Physical Organic Chemistry, NAS of Belarus, Minsk, Belarus.
<https://drive.google.com/file/d/1VgQrSb4rShUeug4A8qaIcl-nfutff99a/view?usp=sharing>
20. *N.V. Lishai, T.A. Savitskaya, N.G. Tsyhankova, D.D. Hrynshpan.* **Raman spectroscopy of activated carbons of various origins.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus; Belarusian State University, Minsk, Belarus.
<https://drive.google.com/file/d/1Au7XgvuLcoep4BqD9HJprguM-PKJCf8/view?usp=sharing>
21. *N.A. Makarevich.* **Thermodynamics of polymer solutions in the entropy-fractal approach.** Military Academy of the Republic of Belarus, Minsk, Belarus.
22. *E.B. Markova, T.F. Sheshko, A.S. Savchenko.* **MOF-199 as a storage matrix for diphenylamine.** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia.
23. *O.A. Milach, E.I. Ramanishka, N.G. Soroka, I.L. Yurkova.* **Pro/antioxidant effect of non- and proteinogenic amino acids on Cu²⁺(Fe²⁺)-mediated fragmentation of phosphatidylglycerol.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus; Belarusian State University, Minsk, Belarus.
https://drive.google.com/file/d/1Xi0siZLxc_HMosz5uDKZnL1MBKUqaj71/view?usp=sharing
24. *G.V. Medyak, V.I. Grachek, S.M. Feshchenko, O.I. Isakovich, A.A. Shunkevich.* **Optimization of sorption properties of cation exchanger FIBAN K-6.** Institute of Physical and Organic Chemistry, NAS of Belarus, Minsk, Belarus.
25. *V.V. Nikalaichuk, V.I. Kulikouskaya, K.S. Hileuskaya, A.N. Kraskouski, V.E. Agabekov.* **Preparation of complexes based on chitosan-Ag nanocomposite and cephalosporin antibiotics.** Institute of Chemistry of New Materials NAS of Belarus, Minsk, Belarus.
https://drive.google.com/file/d/1BPPby03_uXdp1qSiyOGTjVPU-A3sLSOL/view?usp=sharing
26. *V. Paientko, A. Matkovsky, L. Babenko, K. Romanenko, O. Yesypchuk, O. Oranska, E. Skwarek, O. Bakaieva, L. Golovkova, A.G. Grebenyuk.* **Creation of systems of controlled release of biologically active substances for cosmetic.** Chuiko Institute of Surface Chemistry, NAS of Ukraine, Kyiv, Ukraine; N.G. Kholodny Institute of Botany, NAS of Ukraine, Kyiv, Ukraine; Naturel Medical Aesthetic, Chernivtsi, Ukraine; Maria Curie-Skłodowska University, Lublin, Poland; National Pirogov Memorial Medical University, Vinnitsya, Ukraine.

27. V. Paienko, A. Matkovsky, L. Babenko, K. Romanenko, O. Yesypchuk, O. Oranska, E. Skwarek, O. Bakaieva, L. Golovkova, A.G. Grebenyuk. **Development of targeted cosmetic products based on clay / diatomite / vegetable raw composite materials.** Chuiko Institute of Surface Chemistry, NAS of Ukraine, Kyiv, Ukraine; N.G. Kholodny Institute of Botany, NAS of Ukraine, Kyiv, Ukraine; Naturel Medical Aesthetic, Chernivtsi, Ukraine; Maria Curie-Skłodowska University, Lublin, Poland; National Pirogov Memorial Medical University, Vinnitsya, Ukraine.

28. A.B. Sachanka, A.V. Yanzevich, Y.V. Dichenko. **Design and structure analysis of fusion proteins of bovine DNA exotransferase and E. coli SSB protein.** Institute of Bioorganic Chemistry, NAS of Belarus, Minsk, Belarus.
<https://drive.google.com/file/d/1z0h2J1PLhNHd9cUH9YmewOagwA8VhKot/view?usp=sharing>

29. A.A. Sharamet, K.S. Livanovich, T.G. Shutava. **Adsorption of serum proteins on LbL films based on chitosan graft copolymers with polyvinyl alcohol and dextran sulfate.** Institute of Chemistry of New Materials, NAS of Belarus, Minsk, Belarus.
https://drive.google.com/file/d/1E2C2T9fCpGtYtIXZDhB52Djn-PNVn_DJ/view?usp=sharing

30. M.B. Shuliakouskaya, Y.V. Hryniuk. **The process of obtaining polyacrylamide-based polymers via frontal polymerization in continuous mode.** Belarusian State University, Minsk, Belarus.

31. M.A. Simonova, M.I. Nepomnyashaya, V.V. Leshan, M.D. Zelentsov, D.M. Kamorin, O.A. Kazantsev. **Conformation and thermo-responsive properties of polymethacrylate molecular brushes with oligo(ethylene glycol)-block-oligo(propylene glycol) side chains and homopolymer.** Institute of Macromolecular Compounds of the Russian Academy of Sciences, St. Petersburg, Russia; Higher School of Technology and Energy, Saint Petersburg, Russia; Nizhny Novgorod State Technical University n.a. R.E. Alekseev, Nizhny Novgorod, Russia; Department of Organic Chemistry, Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod, Russia.

32. S.N. Sokolov, A.S. Ladyko, A.V. Baranovsky. **NMR studies of steroids with heterocyclic rings in the side chain and their reductive derivatives.** Institute of Bioorganic Chemistry, NAS of Belarus, Minsk, Belarus.
https://drive.google.com/file/d/16UfR5G9b2Vu1O7HgfomR2smGnO_-STVM/view?usp=sharing

33. E.N. Stepurko, A.V. Blokhin, Y.N. Yurkshtovich, A.V. Zuraev, C.M. Verbilo, M.B. Charapennikau. **Thermodynamic properties of 1-benzyl-4-phenyl-1H-1,2,3-triazole.** Belarusian State University, Institute of Physical and Chemical Problems Minsk, Belarusian State University, Minsk, Belarus.
<https://drive.google.com/file/d/1oINEZPy2u9oMvnfVVSyWE3oOTYBGs4Qp/view?usp=sharing>

34. Y.N. Yurkshtovich, A.V. Blokhin, E.N. Stepurko. **Thermodynamic parameters of temozolomide.** Department of Physical Chemistry, Belarusian State University, Minsk, Belarus.
<https://drive.google.com/file/d/1ZpLLBmYKxTTnKrUr86TbsbuldSQ9JonN/view?usp=sharing>

35. T.L. Yurkshtovich, Y.I. Pristromova, N.V. Holub, R.I. Kosterova. **Synthesis, structure and properties of polyaldehyde dextran.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.
https://drive.google.com/file/d/1kGom0H4k-dXf_GFrNprqfBkgYAWTFY9w/view?usp=sharing

36. A.V. Zuraev, D.O. Bobko, C.M. Verbilo, V.A. Budevich, O.A. Ivashkevich. **«Click»-synthesis of 1-benzyl-4-phenyl-1H-1,2,3-triazole facilitated by copper(II) complex of 1-tert-butyl-(benzoylamino)-1H-tetrazole.** Belarusian State University; Research Institute for Physical Chemical Problems of Belarusian State University, Minsk, Belarus.