Список публикаций работников ФГБОУ ВО Иркутского государственного университета (химический факультет)

1. Kizhnyaev, V. N. Synthesis of energetic triazole- and tetrazole-containing oligomers and polymers / V. N. Kizhnyaev, T. V. Golobokova, F. A. Pokatilov, L. I. Vereshchagin, Y. I. Estrin // Chem. Heterocycl. Compd. – 2017. – V. 53(6-7) – P. 648 – 697.
2. Golobokova, T. V. Synthesis of *N*-(oxiran-2-ylmethyl)-5-phenyltetrazole and its reactions with nitrogen nucleophiles. T. V. Golobokova, L. I. Vereshchagin, G. V. Ratovskii, A. G. Proidakov, V. N. Kizhnyaev // Russ. J. Org. Chem. – 2016. – V. 52(7). – P. 1039 – 1042.
3. Голобокова, Т. В. Синтез *N*-(оксиран-2-илметил)триазолов и тетразолов / Т. В. Голобокова, А. Г. Пройдаков, Л. И. Верещагин, В. Н. Кижняев // ЖОрХ. – 2015. – Т. 51. – № 9. – С. 1333 – 1337.
4. Golobokova, T. V. Epichlorohydrin as a Precursor of Functionally Substituted 1,2,3-Triazoles and Tetrazoles / T. V. Golobokova, A. G. Proidakov, L. I.Vereshchagin, V. N. Kizhnyaev // Russ. J. Org. Chem. – 2019. – V. 55, № 2. – P. 186 – 192.
5. Verkhoturova, S. I. Bis[2-(4-pyridyl)ethyl](2-cyanoethyl)phosphine Oxide: Synthesis and Reactions with 1,4-Dihalobutanes / S. I. Verkhoturova, V. L. Mikhailenko, S. N. Arbuzova, O. F. Vyatchina, and V. N. Kizhnyaev // Russ. J. Gen. Chem. – 2019. – V. 89, № 2. – P. 236 – 241.
6. Mikhailenko, V. L. Synthesis and Properties of a New Family of Phosphorus- and Nitrogen-Containing Ionenes / V. L. Mikhailenko, V. N. Kizhnyaev, S. I. Verkhoturova, K. A. Apartsin, N. K. Gusarova, E. G. Grigor'ev, B. A. Trofimov // Dokl. Chem. – 2015. – V. 465, № 2. – P. 286 – 290.
7. Orel, V. B. Transition-Metal-Free C-Vinylation of Ketones with Acetylenes: A Quantum-Chemical Rationalization of Similarities and Differences in Catalysis by Superbases MOH/DMSO and t-BuOM/DMSO (M = Na, K) // V. B. Orel, N. M. Vitkovskaya, V. B. Kobychev, and B. A. Trofimov // J. Org. Chem. – 2018 – V.83, № 7. – P. 3719 – 3726.
8. Vitkovskaya, N. M. Synthesis of divinyl sulfide via addition of hydrogen sulfide anion to acetylene in alkaline metal hydroxide/DMSO superbasic system: A quantum-chemical insight / N. M. Vitkovskaya, V. B. Kobychev, A. D. Skitnevskaya, V. B. Orel, A. S. Bobkov, A. A. Zubarev, and B. A. Trofimov // Tetrahedron Lett. – 2017. – Vol. 58, № 1 – P. 92 – 96.
9. Vitkovskaya, N. M. Nucleophilic Addition of Ketones To Acetylenes and Allenes: A Quantum-Chemical Insight / N. M. Vitkovskaya, V. B. Kobychev, A. S. Bobkov, V. B. Orel, E. Y. Schmidt, B. A. Trofimov // J. Org. Chem. – 2017. – V. 82, № 23. – P. 12467 – 12476.
10. Trofimov, B. A. Reaction of imidazole derivatives with trifluoromethylated arylacetylenes / B. A. Trofimov, L. V. Andriyankova, L. P. Nikitina, K. V. Belyaeva, A. G. Mal'kina, A. V. Afonin, I. A. Ushakov, V. B. Kobychev, V. M. Muzalevskiy, V. G. Nenajdenko // J. Fluor. Chem. – 2016. – V. 188. – P. 157 – 163.

11. Vitkovskaya, N. M. Two classes of heterocycles-6,8-dioxabicyclo[3.2.1]octanes and cyclopentenols from the same reagents: A quantum-chemical comparison of mechanism / N. M. Vitkovskaya, V. B. Orel, V. B. Kobychev, E. Y. Schmidt, B. A. Trofimov // Mendeleev Comm. – 2019. – V. 29, № 6. – P. 622 – 624.
12. Vitkovskaya, N. M. Base-Promoted Formation of an Annelated Pyrrolo-1,4-oxazine Ensemble from 1*H*-pyrrol-2-ylmethanol and Propargyl Chloride: A Theoretical and Experimental Study / N. M. Vitkovskaya, A. S. Bobkov, S. V. Kuznetsova, V. S. Shcherbakova, A. V. Ivanov // ChemPlusChem. – 2020. – V. 85. – P. 88 – 100.
13. Kizhnyaev, V. N. Conetworks on the base of polystyrene with poly(methyl methacrylate) paired polymers / V. N. Kizhnyaev, F. A. Pokatilov, A. I. Shabalin, R. G. Zhitov // E-Polymers. – 2019. – V. 19, № 1. – P. 421 – 429.
14. Kizhnyaev, V. N. Network Paired Polymers Based on Poly(acrylic acid) / V. N. Kizhnyaev, F. A. Pokatilov, D. V. Vil'yanen, V. I. Gross, O. A. Edel'shtein // Polym. Sci. Ser. B. – 2018. – V. 60, № 1. – P. 99 – 106.
15. Kizhnyaev, V. N. Influence of the structure of oxirane-containing compounds on curing of poly-*N*-methyl-5-vinyltetrazole / V. N. Kizhnyaev, F. A. Pokatilov, T. N. Baginova, R. G. Zhitov, A. G. Proidakov // Russ. J. Appl. Chem. – 2016. – V. 89, № 7. – P. 1137 – 1144.