

Список публикаций д.х.н. **Трусовой М. Е.**

1. Trusova M. E., Rodriguez-Zubiri M., Kutonova K. V., Jung N., Bräse S., Felpin F. X. Postnikov P. S. Ultra-fast Suzuki and Heck reactions for the synthesis of styrenes and stilbenes using arenediazonium salts as super-electrophiles // *Organic Chemistry Frontiers* – 2018. – V. 5. – P. 41-45.
2. Guselnikova O., Postnikov P., Elashnikov R., Trusova M., Kalachyova Y., Libansky M., Berek J., Kolska Z., Švorčík V., Lyutakov O. Surface modification of Au and Ag plasmonic thin films via diazonium chemistry: Evaluation of structure and properties // *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. – 2017. – V. 516. – P. 274-285.
3. Surgutskaya N. S., Trusova M. E., Slepchenko G. B., Minin A. S., Pershina A. G., Uimin M. A., Yermakov A. E., Postnikov P. S. Iron-core/carbon-shell nanoparticles with intrinsic peroxidase activity: new platform for mimetic glucose detection // *Anal. Methods*. – 2017. – V. 9. – P. 2433-2439.
4. Di Martino A., Guselnikova O. A., Trusova M. E., Postnikov P. S. Sedlarik V. Organic-inorganic hybrid nanoparticles controlled delivery system for anticancer drugs // *International Journal of Pharmaceutics*. – 2017. – V. 526. – P. 380-390.
5. Morozova M. A., Yusubov M. S., Kratochvil B., Eigner V., Bondarev A. A., Yoshimura A., Saito A., Zhdankin V. V., Trusova M. E., Postnikov P. S. Regioselective Zn(OAc)<sub>2</sub>-catalyzed azide-alkyne cycloaddition in water: The green click-chemistry // *Organic Chemistry Frontiers*. – 2017. – V. 4. – P. 978-985.
6. Cortés-Borda D., Kutonova K. V., Jamet C., Trusova, M. E., Zammattio F., Truchet C., Rodriguez-Zubiri M., Felpin, F. X. Optimizing the Heck-Matsuda reaction in flow with a constraint-adapted direct search algorithm // *Organic Process Research and Development*. – 2016. – V. 20. – P.1979-1987.
7. Petunin P. V., Valiev R. R., Kalinin R. G., Trusova M. E., Zhdankin V. V., Postnikov P. S. General and simple method for the synthesis of 3-nitroformazan using arenediazonium tosylates // *Current Organic Synthesis*. – 2016. – V. 13. – P. 623-628.
8. Valiev R. R., Drozdova A. K., Petunin P. V., Postnikov P. S., Trusova M. E., Cherepanov V. N. Complex study of electronic states and spectra of 3-nitroformazans // *Russian Physics Journal*. – 2016. – V. 59. – P. 197-203.
9. Kutonova K. V., Trusova M. E., Stankevich A. V., Postnikov P. S., Filimonov V. D. Matsuda–Heck reaction with arenediazonium tosylates in water // *Beilstein J. Org. Chem*. – 2015. – V. 11. – P. 358–362.
10. Surgutskaya N. S., Postnikov P. S., Pershina A. G., Galanov A. I., Trusova M. E., Sazonov A. E. The Fe-core/carbon-shell ultrafine nanopowders as platform for biomolecules grafting // *Advanced Materials Research*. – 2014. – V. 1040. – P. 194-198.

11. Guselnikova O. A., Kutonova K. V., Trusova M. E., Postnikov P. S., Filimonov V. D. First examples of arenediazonium 4 dodecylbenzenesulfonates: synthesis and characterization // Russian Chemical Bulletin. – 2014. – V. 63 – P. 289- 290.
12. Morozova M. A., Trusova M. E., Kutonova K. V., Filimonov V. D. New effective environmental friendly method for the hydrodediazonation of arenediazonium tosylates using Fe-core/carbon-shell nanoparticles // Advanced Materials Research. – 2014. – V. 1040. – P. 263-267.
13. Surgutskaya N. S., Postnikov P. S., Pershina A. G., Galanov A. I., Trusova M. E., Sazonov A. E. The Fe-core/carbon-shell ultrafine nanopowders as platform for biomolecules grafting // Advanced Materials Research. – 2014. – V. 1040. – P. 194-198.
14. Nguyen T. -H., Trusova M. E. The synthesis of iodbenzimidazoles and iodbenzoxazoles via iodination of arenediazonium tosylates // Advanced Materials Research. – 2014. – V. 1040. – P. 423-428.
15. Kutonova K., Postnikov P.S., Filimonov V.D., Parello J. A simple and effective synthesis of aryl azides via arenediazonium tosylates // Synthesis. – 2013. – V. 45. – P. 2706-2710.