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1. K. V. Potapov, R. A. Novikov, M. A. Novikov, P. N. Solyev, Y. V. Tomilov, S. N. Kochetkov, A. A. Makarov, V. A. Mitkevich. Synthesis of the Indole-Based Inhibitors of Bacterial Cystathionine  $\gamma$ -Lyase NL1-NL3 // *Molecules*. – 2023 – № 28. – P. 3568.
2. T. O. Ershova, A. A. Anisimov, M. N. Temnikov, M. A. Novikov, M. I. Buzin, G. G. Nikiforova, Y. S. Dyuzhikova, I. E. Ushakov, Olga I. Shchegolikhina, A. M. Muzafarov, O. M. Nefedov. A Versatile Equilibrium Method for the Synthesis of High-Strength, Ladder-like Polyphenylsilsesquioxanes with Finely Tunable Molecular Parameters // *Polymers*. – 2021 – Vol. 13 – № 24. – P. 4452.
3. M. A. Novikov, O. M. Nefedov. (2-Fluoroallyl)boronates: new reagents for diastereoselective 2-fluoroallylboration of aldehydes / M.A. Novikov, O.M. Nefedov // *Organic & Biomolecular Chemistry*. – 2018. – Vol. 16. – № 27. – P. 4963-4967.
4. A. Y. Bobrova, M. A. Novikov, Y. V Tomilov. (2-Fluoroallyl)pyridinium tetrafluoroborates: novel fluorinated electrophiles for Pd-catalyzed allylic substitution / A.Y. Bobrova, M.A. Novikov, Y. V Tomilov // *Organic & Biomolecular Chemistry*. – 2021. – Vol. 19. – № 21. – P. 4678-4684.
5. A. Y. Bobrova, M. A. Novikov, I. A. Mezentsev, Y. V Tomilov. (2Fluoroallyl)palladium complexes as intermediates in Pd-catalyzed TsujiTrost 2-fluoroallylations: Synthesis and reactivity // *Journal of Fluorine Chemistry*. – 2020. – Vol. 236. – P. 109553.

6. M. A. Novikov, A. Y. Bobrova, I. A. Mezentsev, M. G. Medvedev, Y. V Tomilov. (2-Fluoroallyl)boration of Ketones with (2-Fluoroallyl)boronates // The Journal of Organic Chemistry. – 2020. – Vol. 85. – № 10. – P. 62956308.
7. A. A. Andrianova, Y. D. Maslova, M. A. Novikov, S. E. Semenov, O. M. Nefedov. (NHC)AgCl catalyzed bromofluorocyclopropanation of alkenes with  $\text{CFBr}_2\text{CO}_2\text{Na}$  // Journal of Fluorine Chemistry. – 2018. – Vol. 209. – P. 49-55.
8. M. A. Novikov, Y. A. Ibatov, N. V Volchkov, M. B. Lipkind, S. E. Semenov, O. M. Nefedov. Copper-catalyzed ligand free ring-opening amination of gem-fluorohalocyclopropanes – An efficient route toward 2fluoroallylamines // Journal of Fluorine Chemistry. – 2017. – Vol. 194. – P. 58-72.
9. M. A. Novikov, N. V Volchkov, M. B. Lipkind, O. M. Nefedov. Copper(I)catalyzed solvolysis of gem-chlorofluoro- and gembromofluorocyclopropanes. Preparation of 2-fluoroallylic ethers, esters and alcohols // Journal of Fluorine Chemistry. – 2015. – Vol. 180. – P. 131-143.
10. N. V. Volchkov, M. B. Lipkind, M. A. Novikov, O. M. Nefedov. Aluminum oxide-induced gas-phase ring-opening in methyl substituted gemdifluorocyclopropanes, leading to 2-fluorobuta-1,3-dienes and vinylacetylenes // Russian Chemical Bulletin. – 2015. – Vol. 64. – P. 658663.
11. N. V. Volchkov, M. B. Lipkind, M. A. Novikov, O. M. Nefedov. Gas-phase pyrolysis of 1-chloro-1-fluoro-2-methylcyclopropanes in the presence of  $\text{SiO}_2$  or  $\text{Al}_2\text{O}_3$  with the formation of 2-chloro- or 2- fluorobuta-1,3-dienes // Russian Chemical Bulletin. – 2014. – Vol. 63. – P. 2250-2254.
12. A. Lishchynskiy, M. A. Novikov, E. Martin, E. C. Escudero-Adán, P. Novák, V. V Grushin. Trifluoromethylation of Aryl and Heteroaryl Halides with Fluoroform-Derived  $\text{CuCF}_3$ : Scope, Limitations, and Mechanistic Features // The Journal of Organic Chemistry. – 2013. – Vol. 78. – № 22. – P. 11126-11146.

13. V.I. Bakhmutov, F. Bozoglian, K. Gómez, G. González, V. V. Grushin, S. A. Macgregor, E. Martin, F. M. Miloserdov, M. A. Novikov, J. A. Panetier, L. V. Romashov. CF<sub>3</sub>-Ph Reductive Elimination from [(Xantphos)Pd(CF<sub>3</sub>)(Ph)] // *Organometallics*. – 2012. – Vol. 31. – № 4. – P. 1315-1328.
14. A. Zanardi, M. A. Novikov, E. Martin, J. Benet-Buchholz, V. V. Grushin. Direct Cupration of Fluoroform // *Journal of the American Chemical Society*. – 2011. – Vol. 133. – № 51. – P. 20901-20913.