## Сведения о ведущей организации

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**Список основных публикаций сотрудников ведущей организации по теме диссертации в рецензируемых научных изданиях за последние 5 лет:**

1. Bityukov O.V., Serdyuchenko P.Y., Kirillov A.S., Nikishin G.I., Vil V.A., Terent'ev A.O Advances in radical peroxidation with hydroperoxides // Beilstein Journal of Organic Chemistry. — 2024. — V. 20, № 1. — P. 2959–3006.

2. Bityukov O.V., Skokova K.V., Vil' V.A., Nikishin G.I., Terent'ev A.O. Electrochemical generation of peroxy radicals and subsequent peroxidation of 1, 3-dicarbonyls in an undivided cell // Organic Letters. — 2024. — V. 26, № 1. — P. 166–171.

3. Lopat'eva E.R., Kutykov A.D., Krylov I.B., Terent'ev A.O. 5,8-Di-tert-butyl-2-hydroxy-1 H-benzo [de] isoquinoline-1, 3 (2 H)-dione—A New Lipophilic N-oxyl Radical Precursor // Molbank. — 2023. — V. 2023, № 1. — M1543: 1–8.

4. Lopat'eva E.R., Krylov I.B., Paveliev S.A., Emtsov D.A., Kostyagina V.A., Korlyukov A.A., Terent'ev A.O. Free radicals in the queue: selective successive addition of azide and N-oxyl radicals to alkenes // The Journal of Organic Chemistry. — 2023. —V. 88, № 18. — P. 13225–13235.

5. Fomenkov D.I., Budekhin R.A., Vil' V.A., Terent'ev A.O. The ozone and hydroperoxide teamwork: synthesis of unsymmetrical geminal bisperoxides from alkenes // Organic Letters. — 2023. — V. 25, №. 25. — P. 4672–4676.

6. Lopat'eva E.R., Krylov I.B., Segida O.O., Merkulova V.M., Ilovaisky A.I., Terent'ev A.O. Heterogeneous photocatalysis as a potent tool for organic synthesis: cross-dehydrogenative C–C coupling of N-heterocycles with ethers employing $TiO_2$/N-hydroxyphthalimide system under visible light // Molecules. — 2023. — V. 28, № 3. — 934:1–27.

7. Budnikov A.S., Krylov I.B., Kuzmin I.V., Segida O.O., Lastovko A.V., Shevchenko M.I., Nikishin G.I., Terent'ev A.O. Diacetyliminoxyl as a selective radical reagent for organic synthesis: dehydrogenation and dehydrogenative C–O coupling reactions // Organic Chemistry Frontiers. — 2023. — V. 10, № 2. — P. 388–398.

8. Yaremenko I.A., Radulov P.S., Belyakova Y.Y., Fomenkov D.I., Vil' V.A., Kuznetsova M.A., Demidova V.N., Glinushkin A.P., Terent'ev A.O. Cyclic organic peroxides as new fungicides against phytopathogenic fungi // Agrochemicals. — 2023. — V. 2, № 3. — P. 355–366.

9. Krylov I.B., Paveliev S.A., Budnikov A.S., Segida O.O., Merkulova V.M., Vil V.A., Nikishin G.I., Terent'ev A.O. Hidden reactivity of barbituric and meldrum's acids: atom-efficient free-radical C–O coupling with N-hydroxy compounds // Synthesis. — 2022. — V. 54, № 2. — P. 506–516.

10. Lopat'eva E.R., Krylov I.B., Lapshin D.A., Terent'ev A.O. Redox-active molecules as organocatalysts for selective oxidative transformations – an

unperceived organocatalysis field // Beilstein Journal of Organic Chemistry. — 2022. — V. 18, № 1. — P. 1672–1695.

11. Yaremenko I.A., Radulov P.S., Belyakova Y.Y., Fomenkov D.I., Tsogoeva S.B., Terent'ev A.O. Lewis acids and heteropoly acids in the synthesis of organic peroxides // Pharmaceuticals. — 2022. — V. 15, № 4. — 472: 1–63.

12. Yaremenko I.A., Belyakova Y.Y., Radulov P.S., Novikov R.A., Medvedev M.G., Krivoshchapov N.V., Korlyukov A.A., Alabugin I.V., Terent'ev A.O. Marriage of peroxides and nitrogen heterocycles: selective three-component assembly, peroxide-preserving rearrangement, and stereoelectronic source of unusual stability of bridged azaozonides // Journal of the American Chemical Society. — 2021. — V. 143, № 17. — P. 6634– 6648.

13. Alabugin I.V., Kuhn L., Medvedev M.G., Krivoshchapov N.V., Vil V.A., Yaremenko I.A., Mehaffy P., Yarie M., Zolfigol M. A. Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone // Chemical Society Reviews. — 2021. — V. 50, № 18. — P. 10253–10345.

14. Vil V.A. Gorlov E.S., Yu B., Terent'ev A.O. Oxidative α-acyloxylation of acetals with cyclic diacyl peroxides // Organic Chemistry Frontiers. — 2021. — V. 8, № 12. — P. 3091–3101.

15. Битюков О.В., Виль В.А., Терентьев А.О. Синтез ациклических геминальных бисперокисидов // Журнал органической химии. — 2021. — Т. 57, № 6. — С. 757–787.

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