

Избранные публикации официального оппонента

Сухорукова Алексея Юрьевича

доктора химических наук, профессора, заведующего лабораторией

Органических и металл-органических азот-кислородных систем
ИОХ им. Н.Д. Зелинского РАН

по тематике защищаемой диссертации

[1] Lesnikov V. K., Golovanov I. S., Nelyubina Y. V., Aksanova S. A., **Sukhorukov A. Y.** Crown-hydroxylamines are pH-dependent chelating N,O-ligands with a potential for aerobic oxidation catalysis // *Nature Comm.* – 2023. – Vol. 14. – P. 7673.

[2] Lukoyanov A. A., Tabolin A. A., Nelyubina Y. V., Aksanova S. A., **Sukhorukov A. Y.** Nitronate-aryne cycloaddition as a concise route to stereochemically complex fused benzisoxazolines and amino alcohols // *Org. Biomol. Chem.* – 2023. – Vol. 21. – P. 3871-3880.

[3] Pospelov E. V., Zhirov A. V., Kamidolla B., **Sukhorukov A. Y.** Reductive Denitrogenation of Six-membered Cyclic Nitronates to Densely Substituted Dihydrofurans with Raney® Nickel/AcOH System // *Adv. Synth. Catal.* – 2023. – Vol. 365 – P. 2850-2857.

[4] Malykhin R. S., Boyko Y. D., Nelyubina Y. V., Ioffe S. L., **Sukhorukov A. Y.** Interrupted Nef Reaction of Cyclic Nitronates: Diastereoselective Access to Densely Substituted α -Chloronitroso Compounds // *J. Org. Chem.* – 2022. – Vol. 87. – P. 16617-16631.

[5] Semakin A. N., Golovanov I. S., Nelyubina Y. V., **Sukhorukov A. Y.** 1,4,6,10-Tetraazaadamantanes (TAADs) with N-amino groups: synthesis and formation of boron chelates and host–guest complexes // *Beilstein J. Org. Chem.* – 2022. – Vol. 18. – P. 1424-1434.

[6] Pospelov E. V., Boyko Y. D., Ioffe S. L., **Sukhorukov A. Y.** Synthesis of Bis(β -Oximinoalkyl)malonates and Their Catalytic Reductive Cyclization to Piperidines // *Adv. Synth. Catal.*, – 2022. – Vol. 364. – P. 2557.

[7] Golovanov I. S., Leonov A. V., Lesnikov V. K., Pospelov E. V., Frolov K. V., Korlyukov A. A., Nelyubina Y. V., Novikov V. V., **Sukhorukov A. Y.** Iron(IV) complexes with tetraazaadamantane-based ligands: synthesis, structure, applications in dioxygen activation and labeling of biomolecules // *Dalton Transactions*. – 2022. Vol. 52. – P. 4284-4296.

[8] Golovanov I. S., Malykhin R. S., Lesnikov V. K., Nelyubina Y. V., Novikov V. V., Frolov K. V., Stadnichenko A. I., Tretyakov E. V., Ioffe S. L., **Sukhorukov A. Y.** Revealing the structure of transition metal complexes of formaldoxime // *Inorg. Chem.* – 2021. – Vol. 363. – P. 5523-5537.