Список основных публикаций С. А. Митченко по смежным оппонируемой диссертации Терещенко Андрея Александровича «Мониторинг роста и активности катализаторов на основе наночастиц благородных металлов с помощью спектральных методов» тематикам в рецензируемых изданиях за последние 5 лет:

1. Savostyanov A. P., Yakovenko R. E., Narochniy G. B., Nepomnyashchikh E. V., Mitchenko S. A. Bifunctional Co/SiO2-Fe-ZSM-5-Al2O3 catalysts for synthesis of hydrocarbons of engine fractions // ChemChemTech. – 2019. – Т. 62, № 8. – С. 139-146.
2. Krasnyakova T. V., Nikitenko D. V., Khazipov O. V., Mitchenko S. A. Catalytic Hydromethoxylation of Acetylene over Pre-Activated K2PdCl4 // Kinetics and Catalysis. – 2020. – Т. 61, № 6. – С. 879-885.
3. Krasnyakova T. V., Nikitenko D. V., Mitchenko S. A. Mechanisms of the Catalytic Hydrochlorination of Acetylene: Active Sites, Isotope Effects, and Stereoselectivity // Kinetics and Catalysis. – 2020. – Т. 61, № 1. – С. 58-79.
4. Krasnyakova T. V., Yurchilo S. A., Morenko V. V., Nosolev I. K., Glazunova E. V., Khasbulatov S. V., Verbenko I. A., Mitchenko S. A. Effect of Mechanochemical Pretreatment on the Photocatalytic Activity of Bismuth Ferrite // Kinetics and Catalysis. – 2020. – Т. 61, № 3. – С. 384-389.
5. Savost’yanov A. P., Eliseev O. L., Yakovenko R. E., Narochniy G. B., Maslakov K. I., Zubkov I., Soromotin V. N., Kozakov A. T., Nicolskii A. V., Mitchenko S. A. Deactivation of Co-Al2O3/SiO2 Fischer–Trospch Synthesis Catalyst in Industrially Relevant Conditions // Catalysis Letters. – 2020. – Т. 150, № 7. – С. 1932-1941.
6. Ulyankina A., Mitchenko S., Smirnova N. Selective photocatalytic oxidation of 5-HMF in water over electrochemically synthesized TiO2 nanoparticles // Processes. – 2020. – Т. 8, № 647.
7. Yakovenko R. E., Savost'yanov A. P., Narochniy G. B., Soromotin V. N., Zubkov I. N., Papeta O. P., Svetogorov R. D., Mitchenko S. A. Preliminary evaluation of a commercially viable Co-based hybrid catalyst system in Fischer-Tropsch synthesis

combined with hydroprocessing // Catalysis Science and Technology. – 2020. – T. 10, № 22. – C. 7613-7629.
8. Soromotin V. N., Yakovenko R. E., Medvedev A. V., Mitchenko S. A. Reasons for the Rapid Deactivation of a Cobalt Catalyst in the High-Efficiency Fischer–Tropsch Synthesis of C19+ Hydrocarbons // Kinetics and Catalysis. – 2021. – T. 62, № 6. – C. 845-852.
9. Yakovenko R. E., Zubkov I. N., Savost'yanov A. P., Soromotin V. N., Krasnyakova T. V., Papeta O. P., Mitchenko S. A. Hybrid Catalyst for the Selective Synthesis of Fuel Range Hydrocarbons by the Fischer–Tropsch Method // Kinetics and Catalysis. – 2021. – T. 62, № 1. – C. 172-180.
10. Krasnyakova T. V., Nikitenko D. V., Morenko V. V., Mitchenko S. A. Catalysis by Platinum(II) Iodo Complexes of C(sp2)–C(sp2) Electrophile Coupling // Kinetics and Catalysis. – 2022. – T. 63, № 3. – C. 270-278.
11. Soromotin V. N., Yakovenko R. E., Krasnyakova T. V., Svetogorov R. D., Mitchenko S. A. Effect of Tail Gas Recirculation Mode on the Activity and Selectivity of the Co/SiO2 Catalyst for Fischer–Tropsch Synthesis // Kinetics and Catalysis. – 2022. – T. 63, № 6. – C. 765-772.
12. Zubkov I. N., Soromotin V. N., Savost'yanov A. P., Mitchenko S. A., Yakovenko R. E. Production of Alcohols and Olefins from CO and H2 on a Cobalt Catalyst at High Pressures and in the Gas Circulation Mode // Kinetics and Catalysis. – 2022. – T. 63, № 2. – C. 218-225.
13. Yakovenko R. E., Bakun V. G., Sulima S. I., Narochniy G. B., Mitchenko S. A., Zubkov I. N., Savost'yanov A. P. Cobalt Supported and Polyfunctional Hybrid Catalysts for Selective Fischer-Tropsch Synthesis: A Review // Catalysis in Industry. - 2023. Vol. 15, No. 1. Pp. 6-20.
14. Krasnyakova T. V., Nikitenko D. N., Kobets K. D., Krasniakova I. O., Gogil'hin A. S., Bugaev A. L., Mitchenko S. A. Stereoselectivity of Acetylene Hydrochlorination over Supported PdCl2/C Catalysts // Kinetics and Catalysis. - 2023. Vol. 64, No. 3. PP. 294-302.

15. Yakovenko R. E., Krasnyakova T. V., Saliev A. N., Shilov M. A., Volik A. V., Savost'yanov A. P., Mitchenko S. A. Ammonia Decomposition over Cobalt-Based Silica-Supported Fischer-Tropsch Synthesis Catalysts // Kinetics and Catalysis. - 2023. Vol. 64, No. 2. PP. 180-190.