

Избранные публикации официального оппонента

доктора химических наук,

ИВЧЕНКО Павла Васильевича

по тематике защищаемой диссертации

1. Racemo-selective formation of ansa-zirconocene in the reaction of dimethylbis (5-phenyl-5, 6-dihydroindeno [2, 1-b] indol-6-yl) silane dilithium salt with $ZrCl_4$: X-ray and DFT argumentation for stereocontrol/ I.E. Nifant'ev, A.A. Vinogradov, M.E. Minyaev, K.A. Lyssenko, **P.V. Ivchenko** //Mendeleev Communications. – 2019. – V. 29. – №. 3. – P. 266-268.
2. The structural diversity of heterocycle-fused potassium cyclopentadienides/ I.E. Nifant'ev, A.A. Vinogradov, M.E. Minyaev, P.D. Komarov, K.A. Lyssenko, K.P. Birin, V.P. Dyadchenko, **P.V. Ivchenko** //RSC advances. – 2019. – V. 9. – №. 50. – P. 29195-29204.
3. Nifant'ev, I. E., **Ivchenko, P. V.** Synthesis of Heteroarene-Fused Cyclopentadienes and Related Compounds Suitable for Metallocene Preparation/ I.E. Nifant'ev, **P.V. Ivchenko** //Advanced Synthesis & Catalysis. – 2020. – V. 362. – №. 18. – P. 3727-3767.
4. Nifant'ev I. E., **Ivchenko P. V.**, Vinogradov A. A. Heterocycle-fused cyclopentadienyl metal complexes: Heterocene synthesis, structure and catalytic applications/ I.E. Nifant'ev, **P.V. Ivchenko**, A.A. Vinogradov //Coordination Chemistry Reviews. – 2021. – V. 426. – P. 213515.
5. Zirconocene dichlorides as catalysts in alkene carbo-and cyclometalation by $AlEt_3$: Intermediate structures and dynamics/ L.V. Parfenova, P.V. Kovyazin, O.V. Mukhamadeeva, **P.V. Ivchenko**, [et al.] //Dalton Transactions. – 2021. – V. 50. – №. 43. – P. 15802-15820.
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7. Catalytic properties of zirconocene-based systems in 1-hexene oligomerization and structure of metal hydride reaction centers/ L.V. Parfenova, P.V. Kovyazin, A.K. Bikmeeva, E.R. Palatov, **P.V. Ivchenko**, [et al.] //Molecules. – 2023. – V. 28. – №. 6. – P. 2420.
8. Nifant'ev I. E., Salakhov I. I., **Ivchenko P. V.** Transition Metal-(μ -Cl)-Aluminum Bonding in α -Olefin and Diene Chemistry/ I.E. Nifant'ev, I. I. Salakhov, **P.V. Ivchenko** //Molecules. – 2022. – V. 27. – №. 21. – P. 7164.
9. Half-sandwich molybdenum complexes: molecular structure and catalyst precursors for olefin epoxidation with tert-butyl hydroperoxide/ M.E. Minyaev, A.A. Vinogradov, A.V. Churakov, B. Kimmich, I.E. Nifant'ev, S.M. Nagy, **P.V. Ivchenko** //Mendeleev Communications. – 2018. – V. 28. – №. 5. – P. 508-510.
10. Rational design of ansa-heterocenes with a long SiOSi bridge as a catalysts for selective dimerization of oct-1-ene/ A. V Kiselev, I. E Nifant'ev, A. A Vinogradov, A. A Vinogradov, V. V Bagrov, A. V Afanaseva, M. E Minyaev, **P. V Ivchenko** //Applied Catalysis A: General. – 2024. – V. 680. – P. 119756.