Избранные публикации официального оппонента
доктора химических наук, профессора РАН
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по тематике защищаемой диссертации

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2. A Predictably Selective Palladium-Catalyzed Aliphatic C–H Oxygenation/ D.P. Lubov, M.V. Shashkov, A.A. Nefedov, **K.P. Bryliakov** //Organic Letters. – 2023. – V. 25. – №. 9. – P. 1359-1363.
3. Palladium catalyzed C (sp3)–H trifluoroethoxylation/ D.P. Lubov, K.S. Ivanov, A.A. Nefedov, E.P. Talsi, **K.P. Bryliakov** //Journal of Catalysis. – 2024. – V. 435. – P. 115563.
4. Asymmetric Epoxidation vs syn-Hydroxy-Acyloxylation of Olefins in the Presence of Sterically Demanding Nonheme Manganese Complexes/ V.A. Sherstyuk, R.V. Ottenbacher, E.P. Talsi, **K.P. Bryliakov** //ACS Catalysis. – 2023. – V. 14. – №. 1. – P. 498-507.
5. Palladium aminopyridine complexes catalyzed selective benzylic C–H oxidations with peracetic acid/ D.P. Lubov, O.Y. Lyakin, D.G. Samsonenko, T.V. Rybalova, E.P. Talsi, **K.P. Bryliakov** //Dalton Transactions. – 2020. – V. 49. – №. 32. – P. 11150-11156.
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8. **Bryliakov, K. P.** Catalytic asymmetric oxygenations with the environmentally benign oxidants H2O2 and O2/ **K.P. Bryliakov** //Chemical reviews. – 2017. – V. 117. – №. 17. – P. 11406-11459.
9. Direct evaluation of the reactivity of nonheme iron (V)–oxo intermediates toward arenes/ O.Y. Lyakin, A.M. Zima, N.V. Tkachenko, **K.P. Bryliakov**, E.P. Talsi //ACS Catalysis. – 2018. – V. 8. – №. 6. – P. 5255-5260.
10. On the nature of the active intermediates in iron-catalyzed oxidation of cycloalkanes with hydrogen peroxide and peracids/ A.M. Zima, O.Y. Lyakin, **K.P. Bryliakov,** E.P. Talsi //Molecular Catalysis. – 2018. – V. 455. – P. 6-13.