

**Список наиболее значимых работ д.х.н. Холдеевой О.А. за последние 5 лет**

1. O.V. Zalomaeva, N.V. Maksimchuk, G.M. Maksimov, O.A. Kholdeeva "Thioether Oxidation with H<sub>2</sub>O<sub>2</sub> Catalyzed by Nb-Substituted Polyoxotungstates: Mechanistic Insights" // Eur. J. Inorg. Chem. 2019, V. 2019, 3-4, P. 410-416.
2. N.V. Maksimchuk, G.M. Maksimov, V.Yu. Evtushok, I.D. Ivanchikova, Y.A. Chesalov, R.I. Maksimovskaya, O.A. Kholdeeva, A. Solé-Daura, J.M. Poblet, J.J. Carbó "Relevance of Protons in Heterolytic Activation of H<sub>2</sub>O<sub>2</sub> over Nb(V): Insights from Model Studies on Nb-Substituted Polyoxometalates" // ACS Catal. 2018, V. 8(10), P. 9722–9737.
3. V.Yu. Evtushok, A.N. Suboch, O.Yu. Podyacheva, O.A. Stonkus, V.I. Zaikovskii, Y.A. Chesalov, L.S. Kibis, O.A. Kholdeeva "Highly Efficient Catalysts Based on Divanadium-Substituted Polyoxometalate and N-Doped Carbon Nanotubes for Selective Oxidation of Alkylphenols" // ACS Catal. 2018, V. 8(2), P. 1297–1307.
4. O.A. Kholdeeva, I.D. Ivanchikova, N.V. Maksimchuk, I.Y. Skobelev "H<sub>2</sub>O<sub>2</sub>-based selective epoxidations: Nb-silicates versus Ti-silicates" // Catal Today, DOI: 10.1016/j.cattod.2018.04.002
5. I.D. Ivanchikova, I.Y. Skobelev, N.V. Maksimchuk, E.A. Paukshtis, M.V. Shashkov, O.A. Kholdeeva "Toward understanding the unusual reactivity of mesoporous niobium silicates in epoxidation of C=C bonds with hydrogen peroxide" // J. Catal. 2017, V. 356, P. 85-99.
6. I.Y. Skobelev, V.Yu. Evtushok, O.A. Kholdeeva, N.V. Maksimchuk, R.I. Maksimovskaya, J.M. Ricart, J.M. Poblet, J.J. Carbó "Understanding the Regioselectivity of Aromatic Hydroxylation over Divanadium-Substituted  $\gamma$ -Keggin Polyoxotungstate" // ACS Catal. 2017, V. 7(12), P. 8514–8523.
7. P. Jiménez-Lozano, I.Y. Skobelev, O.A. Kholdeeva, J.M. Poblet, J.J. Carbó "Alkene Epoxidation Catalyzed by Ti-Containing Polyoxometalates: Unprecedented  $\beta$ -Oxygen Transfer Mechanism" // Inorg. Chem., 2016, V. 55(12), P. 6080–6084.
8. N.V. Maksimchuk, I.D. Ivanchikova, A.B. Ayupov, O.A. Kholdeeva "One-step solvent-free synthesis of cyclic carbonates by oxidative carboxylation of styrenes over a recyclable Ti-containing catalyst" // Appl. Catal. B: Environmental, 2016, V. 181, P. 363-370.
9. I.D. Ivanchikova, N.V. Maksimchuk, I.Y. Skobelev, V.V. Kaichev, O.A. Kholdeeva "Mesoporous niobium-silicates prepared by evaporation-induced self-assembly as catalysts for selective oxidations with aqueous H<sub>2</sub>O<sub>2</sub>" // J. Catal. 2015, V. 332, P. 138-148.
10. I.Y. Skobelev, O.V. Zalomaeva, O.A. Kholdeeva, J.M. Poblet, J.J. Carbó "Mechanism of Thioether Oxidation over Di- and Tetrameric Ti Centres: Kinetic and DFT Studies Based on Model Ti-Containing Polyoxometalates" // Chem. Eur. J. 2015, V. 21, P. 14496-14506.

В.н.с., рук. гр. Гетерогенных катализаторов  
селективного жидкофазного окисления  
Института катализа СО РАН,  
д.х.н.

  
Холдеева Оксана Анатольевна

Подпись Холдеевой Оксаны Анатольевны заверяю  
Учёный секретарь ИК СО РАН, д.х.н.

  
Козлов Д.В.

