

**Список основных публикаций официального оппонента по теме  
диссертации за последние 5 лет**

1. Menshikov V., Paperzh K., Toporkov N., **Belenov S.** Synthesis, composition, structure, and electrochemical behavior of platinum–ruthenium catalysts. *Inorganics* – 2023. V.11. Is. 1, P. 28.
2. **Belenov S.**, Pavlets A., Paperzh K., Mauer D., Menshikov V., Alekseenko A., Guterman, V. The PtM/C (M= Co, Ni, Cu, Ru) electrocatalysts: Their synthesis, structure, activity in the oxygen reduction and methanol oxidation reactions, and durability. *Catalysts* - 2023, V.13. Is. 2., P. 243.
3. **Belenov S.**, Alekseenko A., Pavlets A., Nevelskaya A., Danilenko M. Architecture evolution of different nanoparticles types: relationship between the structure and functional properties of catalysts for PEMFC // *Catalysts*. – 2022. – V. 12, № 6. – Article number 638. – DOI 10.3390/catal12060638
4. Menshikov V., Paperzh K., Bayan Yu., Beskopylny Ye., Nikulin A., Pankov I., **Belenov S.** The development of high-performance platinum-ruthenium catalysts for the methanol oxidation reaction: gram-scale synthesis, composition, morphology, and functional characteristics // *Catalysts*. – 2022. – V. 12, № 10. – Article number 1257. – DOI 10.3390/catal12101257.
5. Menshchikov V., **Belenov S.**, Novomlinsky I., Nikulin A., Guterman V. Multi-component platinum-containing electrocatalysts in the reactions of oxygen reduction and methanol oxidation // *Russian Journal of Electrochemistry*. – 2021. – V. 57, № 6. – P. 587-597. – DOI 10.1134/S1023193521060070
6. Pavlets A., Alekseenko A., Menshchikov V., **Belenov S.**, Volochaev V., Pankov I., Safronenko O., Guterman V. Influence of electrochemical pretreatment conditions of PtCu/C alloy electrocatalyst on its activity // *Nanomaterials*. – 2021. – V. 11, № 6. – Article number 1499.
7. Menshikov V., Novomlinsky I., **Belenov S.**, Alekseenko A., Safronenko O., Guterman V. Methanol, ethanol, and formic acid oxidation on new platinum-containing catalysts // *Catalysts*. – 2021. – V. 11, № 2. – Article number 158.
8. Mauer D., **Belenov S.**, Skibina L., Guterman V. Composite Pt/(SnO<sub>2</sub>/C) and PtSnNi/C Catalysts for oxygen reduction and alcohol electrooxidation reactions // *Russian Journal of Electrochemistry*. – 2021. – V. 57, № 8. – P. 898-910.
9. Men'shchikov V., Guterman V., **Belenov S.**, Spiridonova O., Rezvan D. De-alloyed PtCu/C catalysts of methanol electrooxidation // *Russian Journal of Electrochemistry*. – 2020. – V. 56, № 10. – P. 850-858.
10. **Belenov S.**, Men'shchikov V., Nikulin A., Novikovskii N. PtCu/C materials doped with different amounts of gold as the catalysts of oxygen electroreduction and methanol electrooxidation // *Russian Journal of Electrochemistry*. – 2020. – V. 56, № 8. – P. 660-668