

**Список научных трудов Золотухиной Е.В. по теме диссертации за последние 5 лет**

1. Gerasimova, E.V., Kleinikova, S.A., Talagaeva, N.V., Levchenko, M.G., **Zolotukhina, E.V.** New insight on the study of electrocatalytic oxidation of methanol on some Pt group metals: Important methodological aspects // *International Journal of Hydrogen Energy*, 2023
2. Kleinikova S.A., Levchenko M.G., Yalmaev A.B., Talagaeva N.V., Dremova N.N., Gerasimova E.V., **Zolotukhina E.V.** Some features of alcohols electrooxidation process on Pd, Rh and PdRh catalysts // *Electrochimica Acta* . – 2022. – V.409. – P. 139998.
3. Dmitrieva M.V., Pavlov V.A., Afanas'yeva P.S., **Zolotukhina E.V.** O-2-5. development of a technology for obtaining a new bioelectrocatalyst based on *saccharomyces cerevisiae*: the effect of glucose addition during cultivation on the dehydrogenase activity of «crude» extracts // В книге: *Fundamental Problems of Solid State Ionics*. 2022. – P. 340.
4. Kleinikova S.A., Levchenko M.G., Yalmaev A.B., Talagaeva N.V., Dremova N.N., Gerasimova E.V., **Zolotukhina E.V.** Some features of alcohols electrooxidation process on Pd, Rh and PdRh catalysts / *Electrochimica Acta*. –2022. –V. 409. – P. 139998.
5. Apushkinskaya N., **Zolotukhina E.V.**, Butyrskaya E.V., Silina Y.E. In situ modulation of enzyme activity via heterogeneous catalysis utilizing solid electroplated cofactors // *Computational and Structural Biotechnology Journal*. – 2022. – V. 20. –P. 3824-3832.
6. Kleinikova S.A., Gor'kov K.V., Gerasimova E.V., Dremova N.N., **Zolotukhina E.V.** Selective electrooxidation of acetaldehyde in aqueous ethanol alkaline solutions on silver-containing electrodes // *Electrochimica Acta*. – 2021. – V.377. – P. 138076.
7. Kulakovskaya S.I., Kulikov A.V., Zyubina T.S., Zyubin A.S., Konev D.V., Ryabenko A.G., **Zolotukhina E.V.**, Sviridova L.N., Stenina E.V. Role of non-covalent interactions at the oxidation of 2,5-di-Me-pyrazine-di-N-oxide at glassy carbon, single-walled and multi-walled carbon nanotube paper electrodes// *Carbon Trends*. – 2021. – V. 4.
8. Gor'kov K. V., Talagaeva N. V., Kleinikova S. A., Dremova N. N., Vorotyntsev M. A., **Zolotukhina E. V.** Palladium-polypyrrole composites as prospective catalysts for formaldehyde electrooxidation in alkaline solutions // *Electrochimica Acta*. – 2020. – V.345. – P. 136164.
9. Butyrskaya, E. V., Korkmaz, N., **Zolotukhina, E. V.**, Krasiukova, V., & Silina, Y. E. Mechanistic aspects of functional layer formation in hybrid one-step designed GO<sub>x</sub>/Nafion/Pd-NPs nanobiosensors./ *The Analyst*. 2021. – V.146. – P. 2172–2185.
10. Koch, M., Katsen-Globa, A., **Zolotukhina, E.V.**, Silina, Y.E. Testing of yeast cells damage using hydrogen peroxide spiking and Pd-NPs-based electrodes and impact of oxidoreductase presence on electrochemical read-out // *Biochemical Engineering Journal*. – 2023. – V. 195. – P. 108908.