

**Список научных трудов Ульянкиной А.А. по теме диссертации за последние 5 лет**

1. **Ulyankina A.**, Tsarenko A., Molodtsova T., Yatsenko A., Gorshenkov M., Kaichev V., Kuriganova A., Smirnova N. Tungsten oxide nanopowders: pulse alternating current electrosynthesis, structure optimization and performance in a flow photocatalytic fuel cell // Journal of Materials Science. – 2023. – V. 58. № 27. – P.11187–11197.
2. Муслимов А.Э., Царенко А.Д., Лавриков А.С., **Ульянкина А.А.**, Каневский В.М. Влияние морфологических и структурных параметров тетраподов зно на их активность в реакции фотокаталитической деградации ципрофлоксацина // Письма в Журнал технической физики. – 2023. – Т. 49. – № 16. – С. 8-12.
3. Molodtsova T., Gorshenkov M., Kubrin S., Saraev A., **Ulyankina A.**, Smirnova N. One-step access to bifunctional  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>/δ-FeOOH electrocatalyst for oxygen reduction reaction and acetaminophen sensing // Journal of the Taiwan Institute of Chemical Engineers. – 2022. – Т. 140. – С. 104569.
4. Tsarenko A., Yatsenko A., **Ulyankina A.**, Gorshenkov M., Zhigunov D., Butova V., Kaichev V. Electrochemical synthesis-dependent photoelectrochemical properties of tungsten oxide powders // ChemEngineering. – 2022. – V. 6. – № 2.
5. Klushin V.A., Kashparova V.P., Chizhikova A.A., Andreeva V.E., Chernysheva D.V., **Ulyankina A.A.**, Smirnova N.V., Kravchenko O.A., Kutsevalova O.Y., Ananikov V.P. New bio-based furanic materials effectively absorb metals from water and exert antimicrobial activity // Chemistry. – 2021. – V. 27. – № 10. – P. 3382-3396
6. **Ulyankina A.**, Molodtsova T., Smirnova N., Gorshenkov M., Leontyev I., Zhigunov D., Konstantinova E., Lastovina T., Tolasz J., Henych J., Licciardello N., Cuniberti G. Photocatalytic degradation of ciprofloxacin in water at nano-zno prepared by pulse alternating current electrochemical synthesis // Journal of Water Process Engineering. – 2021. – V. 40. – P. 101809.
7. Kuriganova A.B., **Ulyankina A.A.**, Smirnova N.V., Leontyev I.N. Electrochemical dispersion technique for the preparation of Sn-doped pt particles and their use as electrocatalysts // Mendeleev Communications. – 2020. – V. 30. – № 5. – P. 663-665.
8. **Ulyankina A.**, Mitchenko S., Smirnova N. Selective photocatalytic oxidation of 5-HMF in water over electrochemically synthesized TiO<sub>2</sub> nanoparticles // Processes. – 2020. – V.8. – № 647. – P. 647.
9. **Ulyankina A.A.**, Kuriganova A.B., Smirnova N.V. Photocatalytic properties of SnO<sub>2</sub> –SnO nanocomposite prepared via pulse alternating current synthesis // Mendeleev Communications. – 2019. – V. 29. – № 2. – P. 215-217.
10. **Ulyankina A.**, Smirnova N.V., Avramenko M., Kusnetsov D., Firestein K., Zhigunov D. Electrochemical synthesis of TiO<sub>2</sub> under pulse alternating current: effect of thermal treatment on the photocatalytic activity // ChemistrySelect. – 2019. – V. 4. – № 6. – P. 2001-2007.