

Список трудов оппонента Тарабанько В.Е.

1. Tarabanko N., Golubkov V. A., Sychev V.V., **Tarabanko V.E.**, Taran O.P. Acceleration by double activation catalysis and its negation with rising temperature in hydrolysis of cellobiose with phthalic and hydrochloric acids // ChemPhysChem. – 2022. – Vol. 23. – No. 3. – Art. No. e202100804.
2. **Tarabanko V.E.**, Vigul D.O., Kaygorodov K.L., Chelbina Y.V., Mazurova E.V. Catalytic Oxidation of Flax Shives into Vanillin and Pulp // Catalysts. – 2022. – Vol. 12. – No. 9. – P. 1003.
3. **Tarabanko V.E.**, Vigul D.O., Kaygorodov K.L., Kosivtsov Y., Tarabanko, N., Chelbina Y.V. Influence of mass transfer and acid prehydrolysis on the process of flax shives catalytic oxidation into vanillin and pulp // Biomass Conversion and Biorefinery. – 2022. – P. 1-11.
4. Kuznetsov B.N., Sudakova I.G., Garyntseva N.V., **Tarabanko V.E.**, Yatsenkova O.V., Djakovitch L., Rataboul F. Processes of catalytic oxidation for the production of chemicals from softwood biomass // Catalysis Today. – 2021. – Vol. 375. – P. 132-144.
5. Vigul D.O., **Tarabanko V.E.**, Chelbina Yu.V., Levdansky V.A. Catalytic oxidation of Cedar Bark (*Pinus Sibirica*) with Oxygen to Vanillin and Pulp // Journal of Siberian Federal University. Chemistry. – 2021. – Vol. 14. – No. 4. – P. 457-463.
6. Kazachenko A.S., **Tarabanko V.E.**, Miroshnikova A.V., Sychev V.V., Skripnikov A.M., Malyar Y.N., Mikhlin Y.L., Baryshnikov S.V., Taran O.P. Reductive catalytic fractionation of flax shive over Ru/C catalysts // Catalysts. – 2020. – Vol. 11. – No. 1. – P. 42.
7. **Tarabanko V.E.** Catalytic Conversion of Lignins for Valuable Chemicals // Catalysts. – 2021. – Vol. 11. – No. 10. – P. 1254.
8. **Tarabanko V.E.**, Kaygorodov K.L., Tarabanko N., Chelbina Y.V., Kuznetsov B.N., Skiba E.A., Baybakova O.V., Djakovitch L. Processing pine wood into vanillin and glucose by sequential catalytic oxidation and enzymatic hydrolysis // Journal of wood chemistry and technology. – 2017. – Vol. 37. – No. 1. – P. 43-51.
9. **Tarabanko V.E.**, Kaygorodov K.L., Vigul D.O., Tarabanko N., Chelbina Y.V., Smirnova M.A. Influence of acid prehydrolysis on the process of wood oxidation into vanillin and pulp // Journal of Wood Chemistry and Technology. – 2020. – Vol. 40. – No. 6. – P. 421-433.
10. Kaygorodov K.L., **Tarabanko V.E.**, Chernyak M.Y., Chelbina Y.V., Tarabanko N., Smirnova M.A. Kinetics of low-temperature oxidation of enzymatic lignin from pine wood (*Pinus*

silvestris) in an aqueous alkaline medium // Russian Journal of Bioorganic Chemistry. – 2018. – Vol. 44. – P. 839-844.

11. **Tarabanko V.E.**, Tarabanko N. Catalytic oxidation of lignins into the aromatic aldehydes: general process trends and development prospects // International journal of molecular sciences. – 2017. – Vol. 18. – No. 11. – P. 2421.

12. **Tarabanko V.E.**, Pervishina E.P., Tarabanko N.V., Chernyak M.Yu., Kaygorodov K.L., Chelbina Yu.V., Boyarchuk D.V. Kinetics of fir wood oxidation by oxygen in aqueous alkaline media // Khimija Rastitel'nogo Syr'ja. – 2016. - No 4. – P. 57-63.

13. **Tarabanko V.E.**, Chernyak M.Y., Simakova I.L., Kaigorodov K.L., Bezborodov Y.N., Orlovskaya N.F. Antiknock properties of furfural derivatives // Russian Journal of Applied Chemistry. – 2015. – Vol. 88. – P. 1778-1782.

14. **Tarabanko V.E.**, Chelbina Y.V., Tarabanko N.V., Kudryashev A.V. Separation of vanillin and syringaldehyde produced from lignins // Separation Science and Technology. – 2013. – Vol. 48. – No. 1. – P. 127-132.