

Projekta Izp-2020/2-0027 rezultāti

Atjaunojamo ogļūdeņražu iegūšana hidroapstrādē no alternatīvām izejvielām selektīvu cēlmetālu katalizatoru klātbūtnē

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Malina, I.; Malins, K.; Strods-Vavilovs, M. HYDROCARBON SYNTHESIS FROM FATTY ACID FEEDSTOCK AND STRUCTURE MODIFICATION OF SATURATED AND UNSATURATED CYCLIC COMPOUNDS VIA HYDROTREATMENT OVER RUTHENIUM CATALYST. - 21st International Multidisciplinary Scientific Geoconference: Energy and Clean Technologies, 2021; International Multidisciplinary Scientific Geoconference: Vol. 21, pp 57-64.
<https://doi.org/10.5593/sgem2021/4.1/s17.11>.
2. Malina, I.; Malins, K.; Strods-Vavilovs, M.; Uleiskis, V. Renewable Hydrocarbon Production via Rapeseed Oil Hydrotreatment over Palladium Catalysts. - 4th International Conference on Renewable Energy and Environment Engineering, 2021; IOP Publishing Ltd: Vol. 897.
<https://doi.org/10.1088/1755-1315/897/1/012012>.
3. Malins, K.; Malina, I. The effects of supported Pd, Pt, Re, Rh, Ru, Ir, Au, and Ni catalysts on renewable hydrocarbon production from alternative feedstock. - Biomass Bioenergy, 2023,
<https://doi.org/10.1016/j.biombioe.2023.106732>

Jauns produkts, jauna tehnoloģija

1. Māliņš, K. New methodology of highly active multi-function supported Ru5%/SiO₂-Al₂O₃ catalyst synthesis. New methodology of renewable hydrocarbon (RH) production from rapeseed oil (RO) over synthesized Ru5%/SiO₂-Al₂O₃ and commercial Re5%/SiO₂-Al₂O₃. - Rīgas Tehniskā universitāte, Lietišķās ķīmijas institūts, 2021.