The hydrogenation of the nitrobenzene derivatives on the nanocomposite matrix

© Heinrich N. Altshuler,* Alexey A. Gorlov, and Galina Yu. Shkurenko†
Institute of Coal-Chemistry and Material Science. Siberian Branch of Russian Academy of Sciences. Sovetsky St., 18, Kemerovo, 650000, Russian Federation.
Phone: +7 (384-2) 36-80-22. E-mail: altshulerh@gmail.com

*Supervising author; †Corresponding author

Keywords: nanocomposite matrix, nitrobenzene derivatives, hydrogenation.

Abstract
The catalytic reduction processes of nitrobenzene derivatives occurring in the nanoreactors based on cross-linked polymers containing nanoparticles of palladium have been studied. Kinetic characteristics of precursors of anesthetic drugs hydrogenation were calculated.