

Summary of

**„Copper and nickel catalysts
reduction of nitrogen oxides and methane
reforming“**

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The results of studies on physico-chemical properties of CuO and NiO and metallic Ni deposited on ceria. The objective of the work was to find efficient catalysts for the reduction of nitrogen oxides with ammonia (NH₃-SCR) and methane reforming with carbon dioxide (DRM).

Catalytic reduction of nitrogen oxides with ammonia on catalysts containing the active phase CuO and NiO. The catalysts were prepared by impregnation with a loading of 2, 4 and 10 wt. % of CuO and NiO. Reforming of methane with carbon dioxide on catalysts containing 2 and 10 wt. % of metallic Ni, deposited on the support.

The catalyst samples were analyzed