

Iron effect on SbV/CeO₂-TiO₂ catalyst for NH₃-SCR reaction

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FeSbV/CeO₂-TiO₂ catalyst was prepared by wet impregnation and deposition precipitation methods for the removal of NO_x by NH₃. The effects of iron were examined by the number of active sites and reduction properties of catalyst via NH₃-Temperature Programmed Desorption (NH₃-TPD), H₂-Temperature Programmed Reduction (H₂-TPR) and BET surface area. The catalytic activities on NO_x conversions were studied. The catalyst showed the high NO_x conversion at wide range temperature.