

Study of bimetal doping on the SbVT for NH₃-SCR performance at low temperature

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The bi-transition metal doped Sb-V-T catalyst was carried out for the selective catalytic reduction(SCR) of NO_x by NH₃. The catalyst can be adjusted to reduce the simulate exhaust gas at wide temperature (150~500). The characteristics of the catalysts were thoroughly characterized by surface area, temperature programmed desorption (TPD) of NO, SO₂ and NH₃ and scanning electron microscope (SEM).