Supporting Information

Applicability of V_2O_5-WO_3/TiO_2 Catalysts for the SCR Denitrification of Alumina Calcining Flue Gas

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Contents

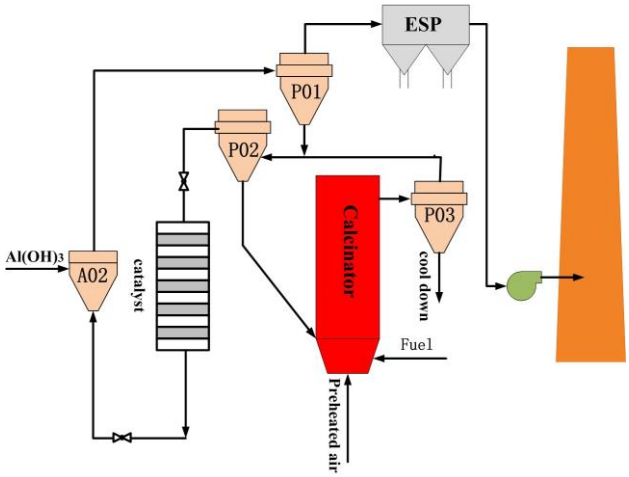

Figure S1. Alumina calcining process flow chart: P01 (preheating cyclone P01), P02 (preheating cyclone P02), P03 (preheating cyclone P03), and ESP (electrostatic precipitator).

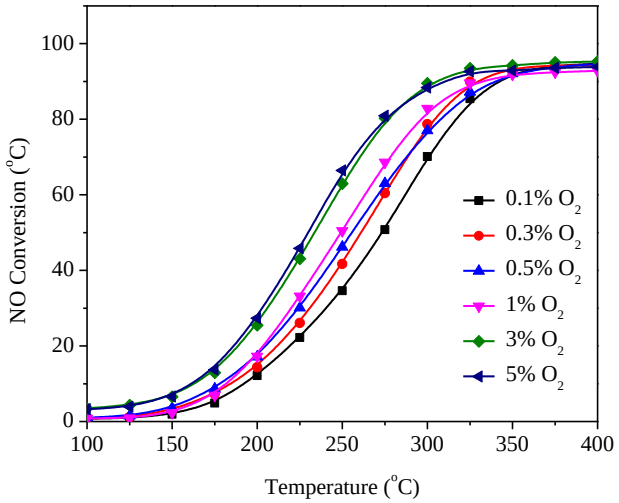

Figure 2. Effect of oxygen content on the activity of 1 V/Ti catalyst between 100–400 ℃. Reaction conditions: $[NH_3] = [NO] = 400$ ppm, O_2, balance N_2, total flow rate 400 mL/min, catalyst 0.8 g, GHSV = 30,000 h^{-1}.

Table S1. Surface areas of various catalysts.

Sample	S_{BET} (m^2/g)
Fresh (1 V-5 W/Ti)	69.3
0.2Al doped	69.1
0.5Al doped	68.2
1Al doped	67.5
2Al doped	66.6
1Ca doped	66.4
1Na doped	65.1
1K doped	63.5