Electronic Supplementary Material (ESI) for RSC Advances.

Supporting information

Direct Cu^{2+} ion-exchanged into as-synthesized SAPO-34 and its catalytic application in the selective catalytic reduction of NO with NH_3

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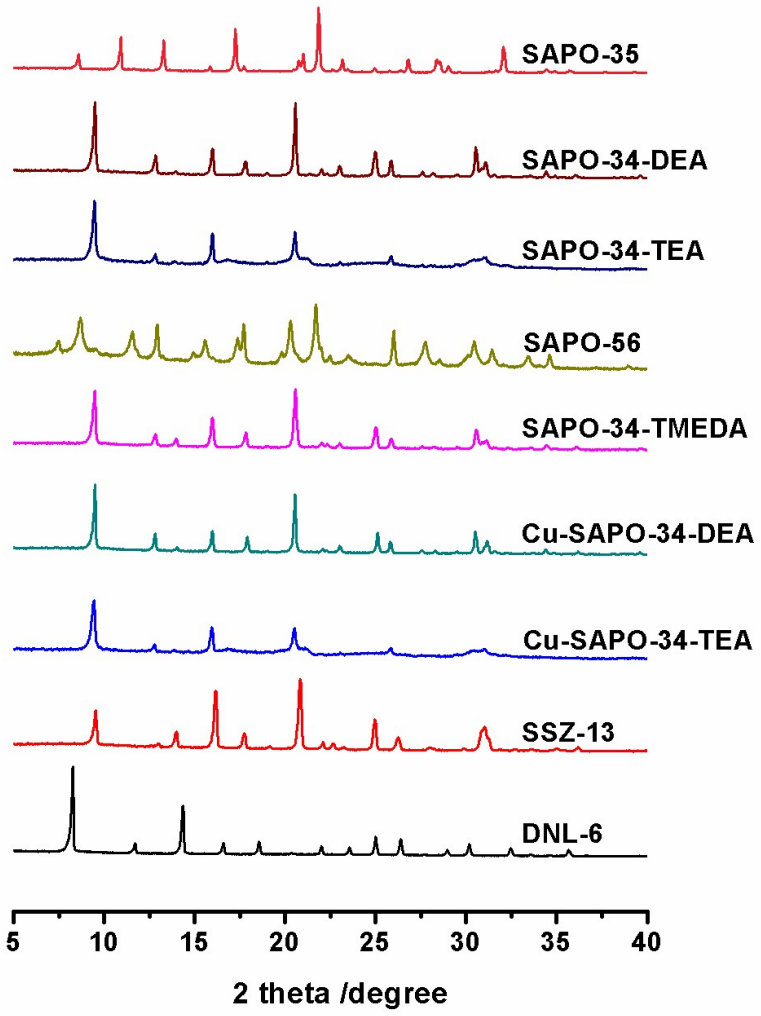

Fig. S1 XRD patterns of the as-synthesized precursors and the Cu ion-exchanged samples. Cu-SAPO-34-DEA and Cu-SAPO-34-TEA are the samples Cu-DEA-D5 and Cu-TEA-D2 in Table 1 respectively.

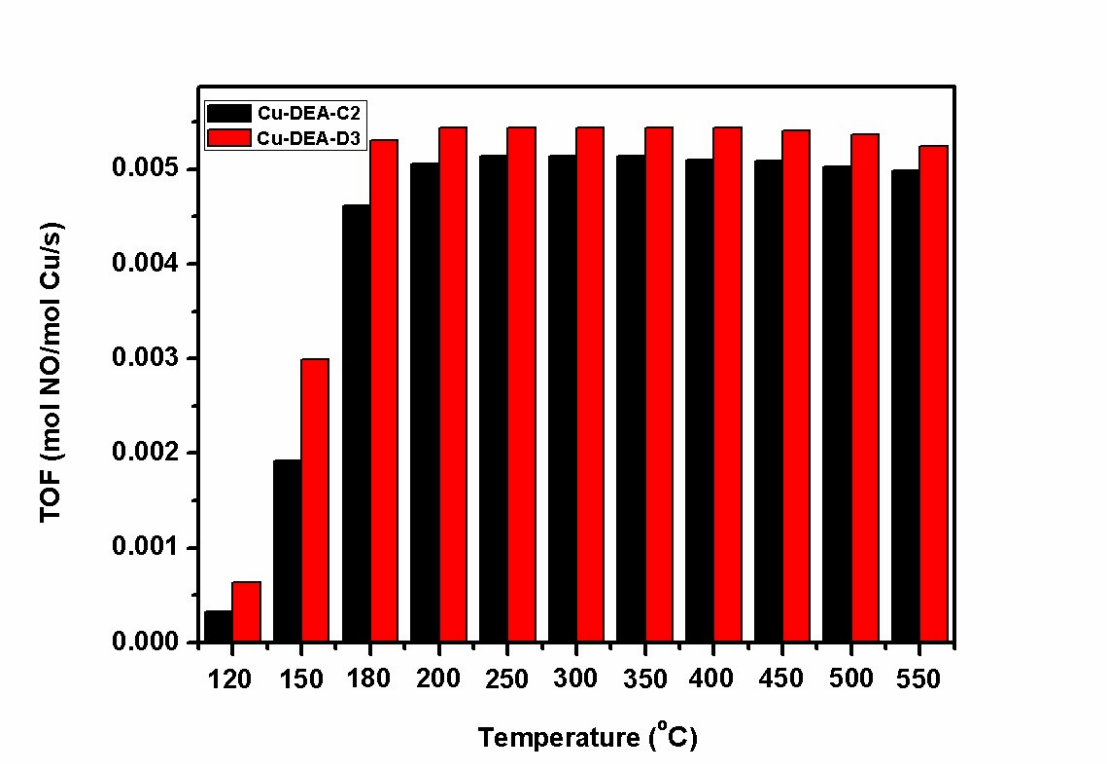

Fig. S2 The TOF ($mol_{NO}/mol_{Cu}/s$) of the catalysts calculated from the standard NH_3-SCR reaction with the feed gas of 500 ppm NH_3, 500 ppm NO, 5% O_2, and 5% H_2O with N_2 as the balance. The volume hourly space velocity was 180,000 h^{-1}.