

Supplementary Materials

The Influence of Residual Sodium on the Catalytic Oxidation of Propane and Toluene over Co_3O_4 Catalysts

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Received: 16 July 2020; Accepted: 30 July 2020; Published: date

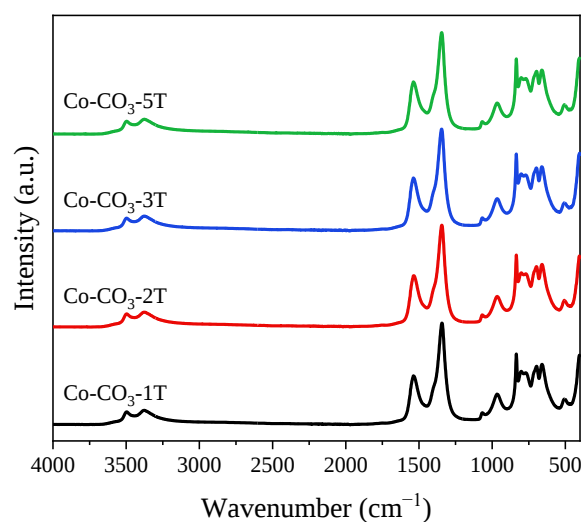


Figure S1. FT-IR spectra of the catalyst precursors.

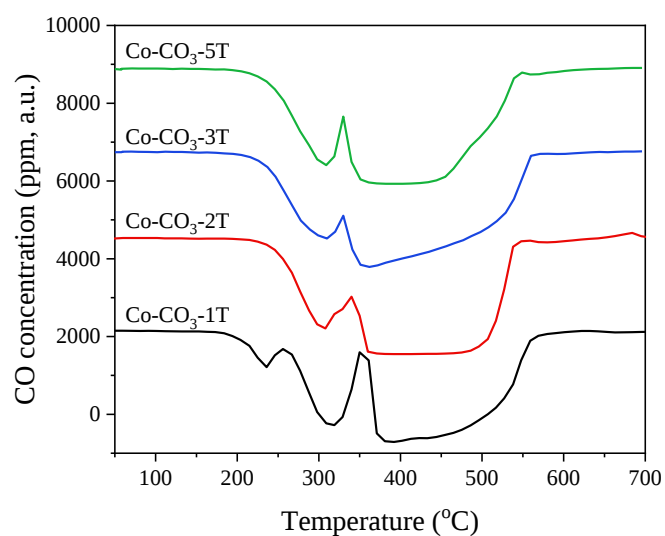


Figure S2. Evolution of CO concentration during the CO-TPR test of the catalysts.

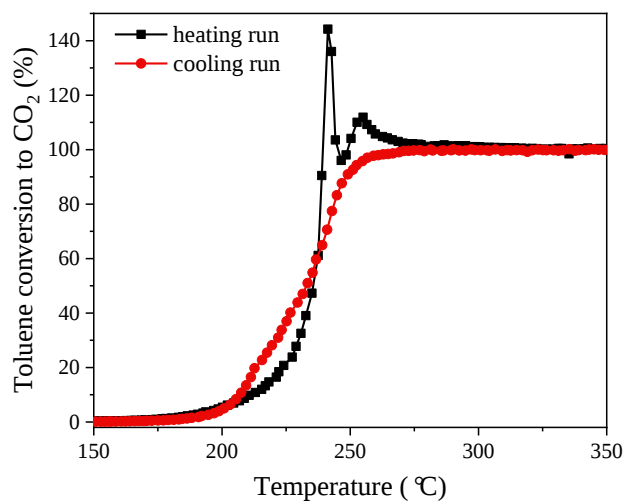


Figure S3. Toluene conversion to CO₂ as a function of temperature over catalyst Co-CO₃-2T in a heating-cooling cycle.

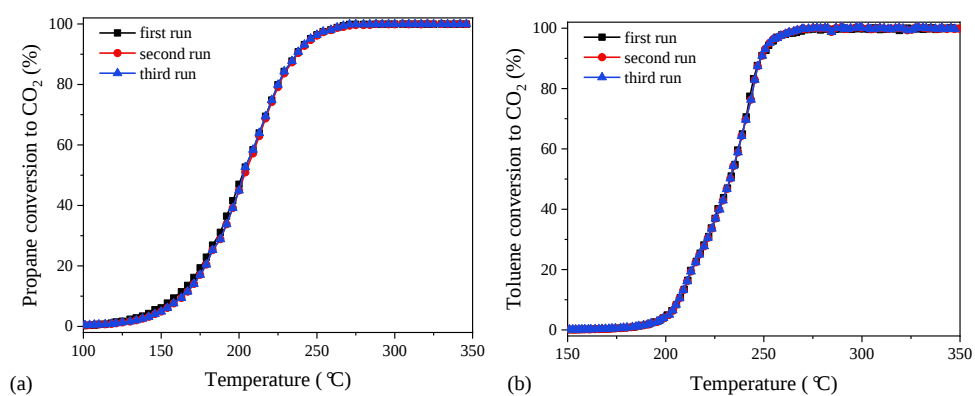


Figure S4. Three-cycle activity curves over (a) $\text{Co-CO}_3\text{-3T}$ for propane oxidation and (b) $\text{Co-CO}_3\text{-2T}$ for toluene oxidation.