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Supplementary materials

Facile synthesis of CuSO₄/TiO₂ catalysts with superior activity and SO₂ tolerance for NH₃-

SCR: Physicochemical property and reaction mechanism

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Figure S1. Influence of SO₂ + H₂O on NO_x conversion of CuO/TiO₂ at 350 °C. Reaction conditions: GHSV = 60 000 h⁻¹, [NO] = [NH₃] = 700 ppm, [O₂] = 4.0 vol%, [SO₂] = 1500 ppm, $[H_2O] = 5.0 \text{ vol}\%$.



Figure S2. NO_x conversion of CuO/TiO₂ before and after sulfur tolerance experiment. Reaction conditions: GHSV = 60 000 h⁻¹, [NO] = [NH₃] = 700 ppm, [O₂] = 4.0 vol%.



Figure S3. The release of SO₂ during NH₃-TPD for 10Cu-S/Ti.