

Supporting Information

Mild activation of CeO₂-supported gold nanoclusters and insight into the catalytic behavior in CO oxidation

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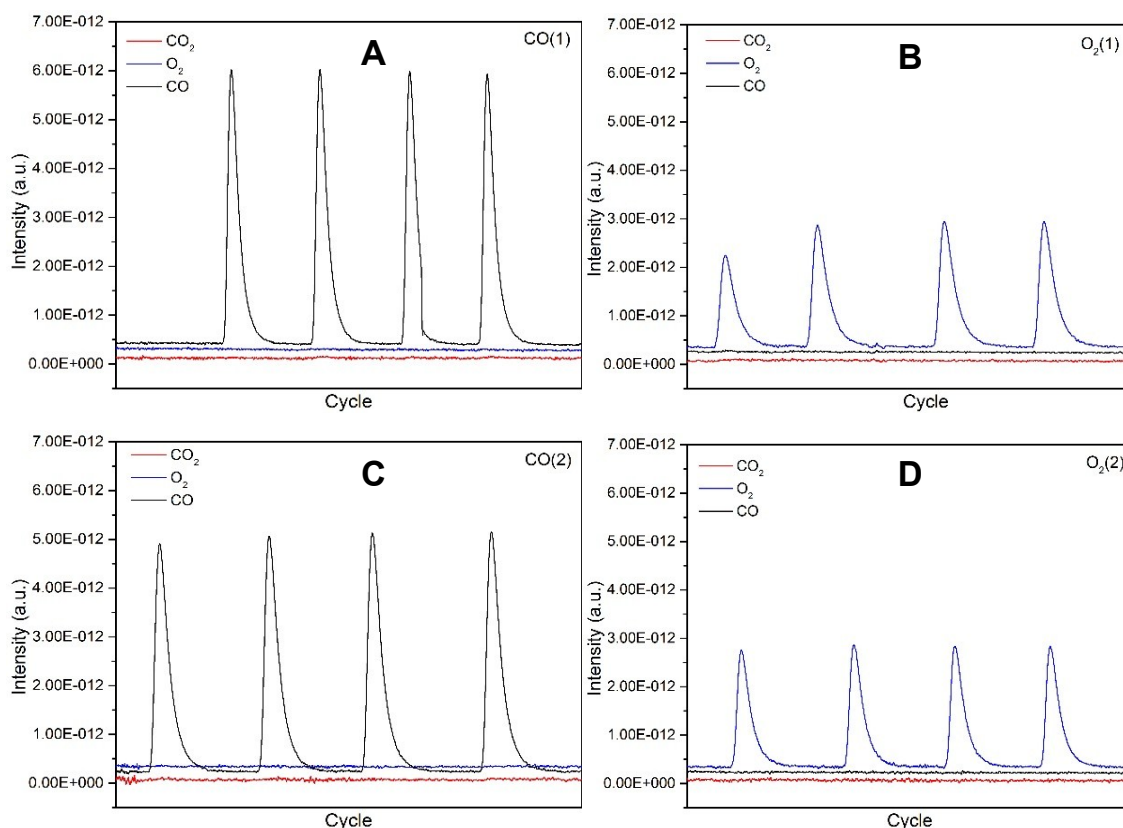


Figure S1. MS signals of CO, O₂ and CO₂ during the pulse experiments at room temperature over the activated Au₁₄₄(SR)₆₀/CeO₂ catalysts, (A) CO was pulsed into the reactor but no CO₂ was detected, (B) A sequence of O₂ (O₂(1)) were pulsed into the reactor after CO(1), no CO₂ signal was observed, (C) The second sequence of CO pulses, (D) The subsequent sequence of O₂ pulses. (Black: CO, blue: O₂, red: CO₂).

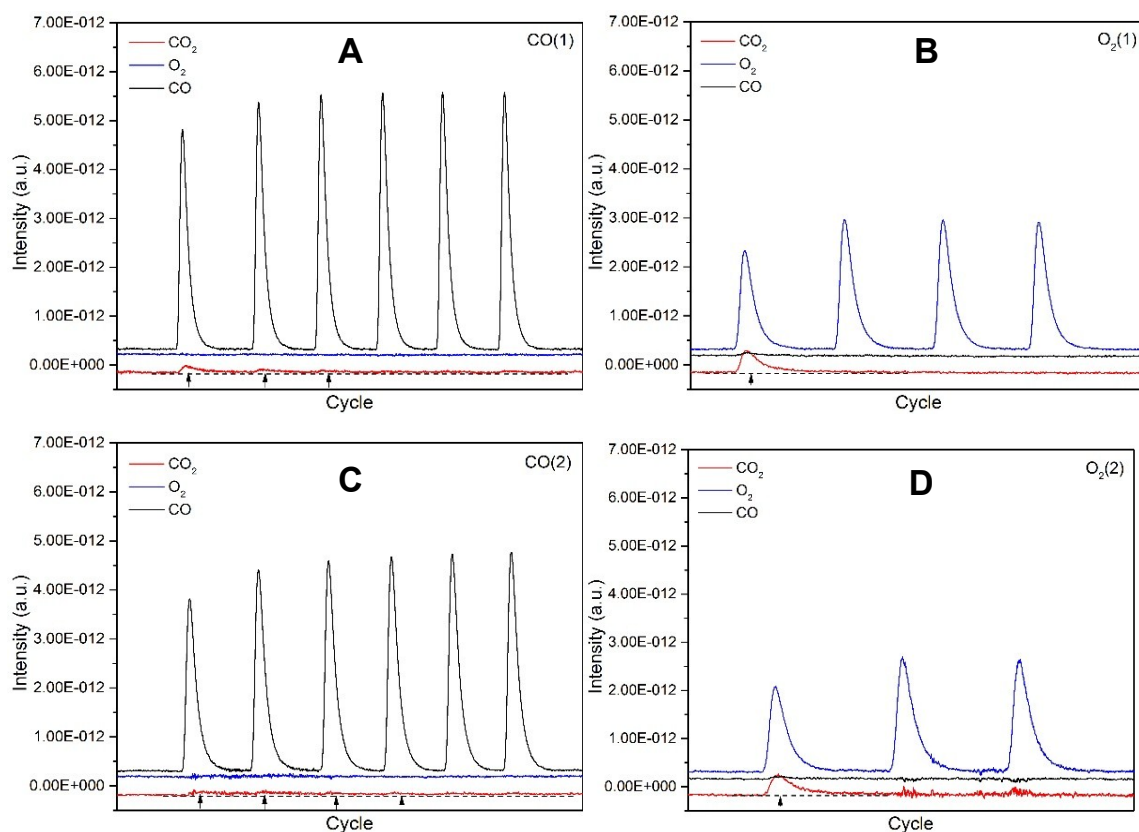


Figure S2. MS signals of CO, O₂ and CO₂ during the pulse experiments at 80 °C over the activated Au₁₄₄(SR)₆₀/CeO₂ catalysts. (A) CO was pulsed into the reactor, with CO₂ detected, (B) A sequence of O₂ (O₂(1)) were pulsed into the reactor after CO(1), with CO₂ observed, (C) The second sequence of CO pulses, (D) The subsequent sequence of O₂ pulses. (Black: CO, blue: O₂, red: CO₂).