

Supporting Information

Refining the mechanism of CO₂ and H₂ activation over gold-ceria catalysts by IR modulation excitation spectroscopy

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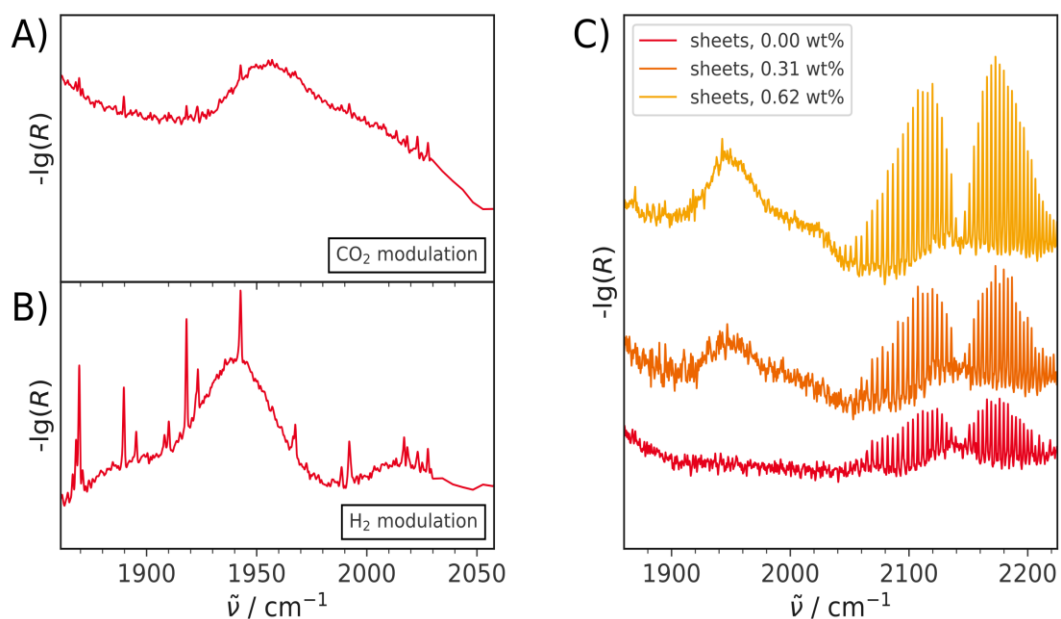


Figure S1: DRIFT spectra during RWGSR over Au/CeO₂. **A)** Detail from Fig. 2, showing the PSD spectrum at 330 ° during CO₂ modulation after gas-phase removal. **B)** Detail from Fig. 3, showing the PSD spectrum at 300 ° during H₂ modulation after gas-phase removal. **C)** Conventional DRIFT spectra, recorded 6 min after adding CO₂ to a constant flow of H₂ (taken from ref. 7). For comparison, spectra of bare CeO₂ and for higher gold loading (0.62 wt%) are shown.