

Supporting Materials

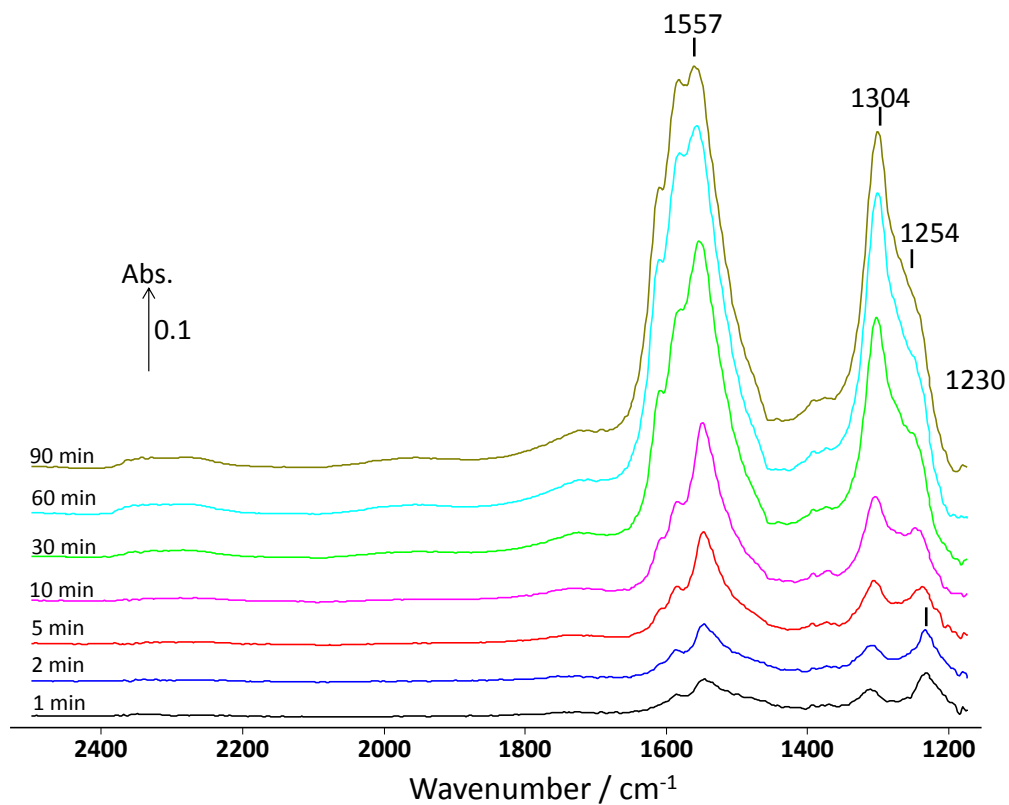


Figure S1 Changes in the surface species obtained from the DRIFTS-MS system as a function of time on stream over the course of 90 min under NO+O₂ over 1% Pt/Al₂O₃ at 250 °C. Feed conditions: 500 ppm NO, 500 ppm C₃H₆, 5% O₂, Kr (when added) and Ar balance.

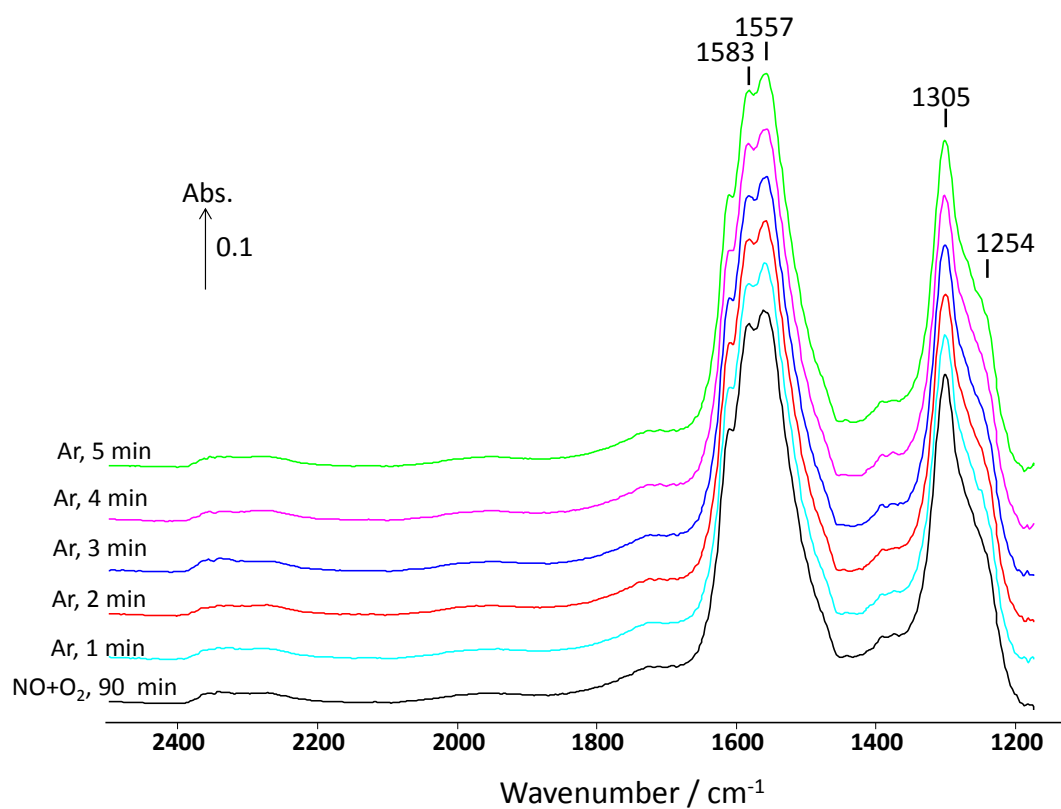


Figure S2 Changes in the surface species obtained from the DRIFTS-MS system: nitrates ($1308, 1256 \text{ cm}^{-1}$) as a function of time on stream over the course of 5 min under Ar flow over 1% Pt/Al₂O₃ at 250 °C. Feed conditions: 500 ppm NO, 500 ppm C₃H₆, 5% O₂, Kr (when added) and Ar balance.