

Supplementary Information

On the role of gold nanoparticles in the selective photooxidation of 2-propanol over Au/TiO₂

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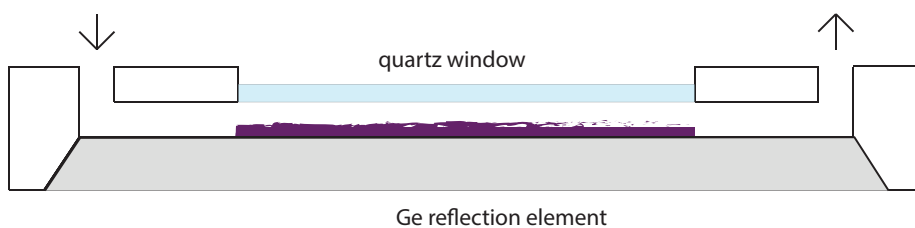


Figure S1 Flow scheme of the ATR-cell including the Ge reflection element, gas in- and outlet and the catalyst coating.

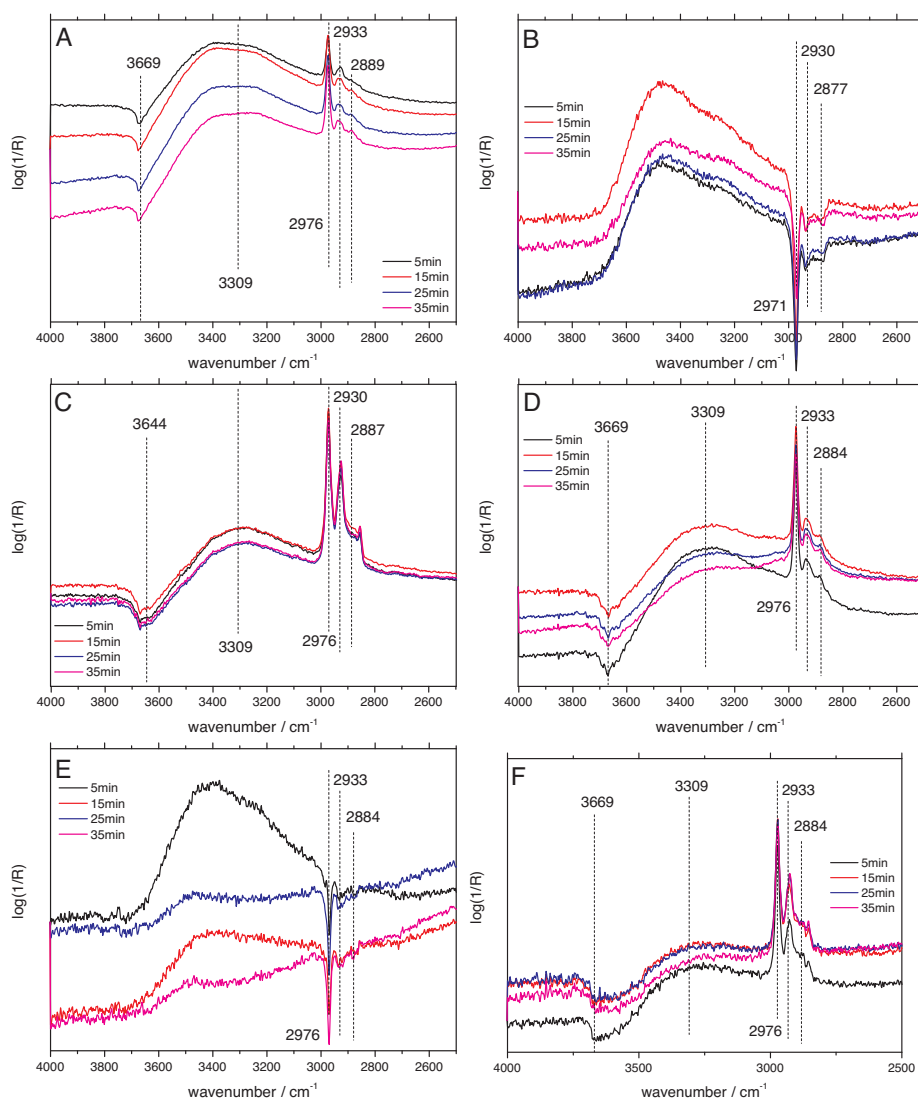


Figure S2 ATR-IR spectra of of the gas-phase photocatalytic dehydrogenation of 2-propanol over (A) uncovered Au/TiO₂, (B) 2-propanol-saturated Au/TiO₂, (C) uncovered Au/TiO₂ under Ar atmosphere, (D) uncovered TiO₂ (P25), (E) 2-propanol-saturated TiO₂ (P25), (F) uncovered TiO₂ (P25) under Ar atmosphere

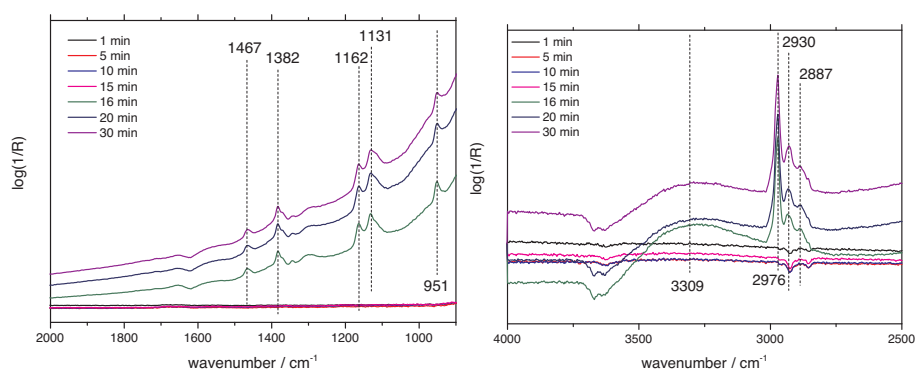


Figure S3 Experimental results for irradiation of TiO_2 (P25) with 2-propanol adsorption after 15 min.