Supplementary Information

Sustainable production of acrolein: catalytic performance of hydrated tantalum oxides for gas-phase dehydration of glycerol[†]

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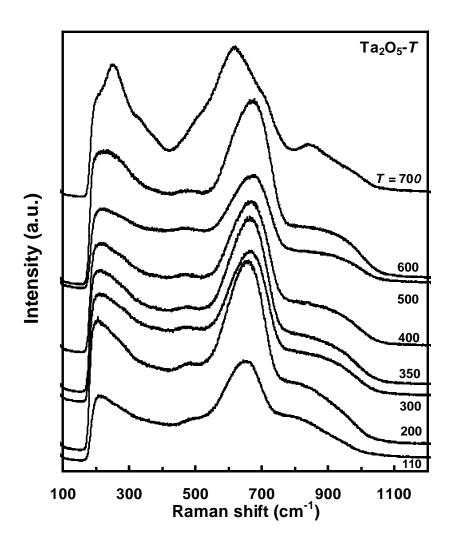


Figure S1 UV-Raman spectra of Ta_2O_5 -T samples of T = 110, 200, 300, 350, 400, 500, 600 and 700 °C.

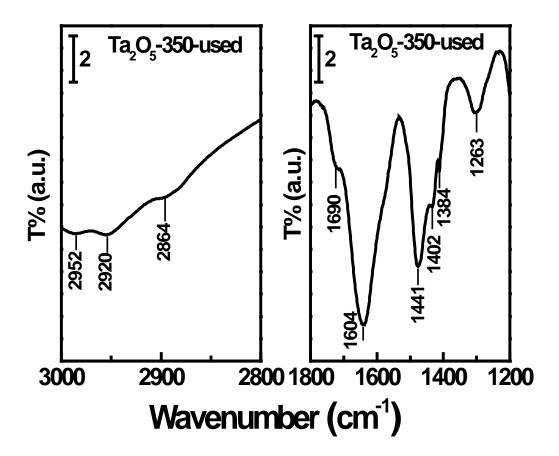


Figure S2 IR spectra of the used Ta_2O_5 -350 catalyst, obtained by unloading the catalyst after it had served the reaction for 10 h at 315 °C and $GHSV_{GL}$ = 400 h⁻¹.