

Supporting Information

Mechanism of photooxidation of alcohol over Nb₂O₅

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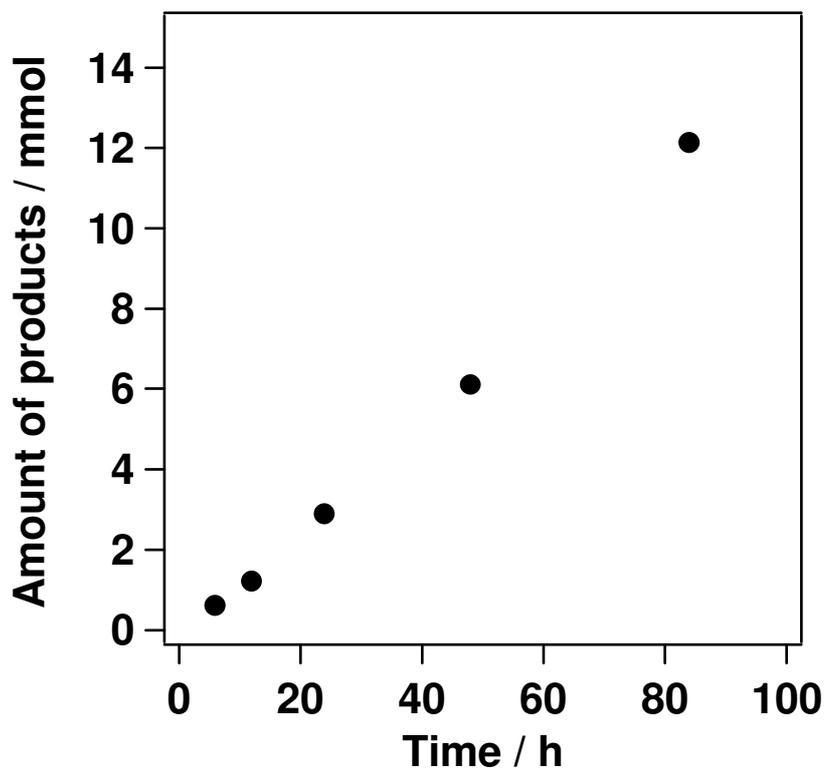


Figure S1. Time course of the photooxidation of 1-pentanol over the Nb_2O_5 catalyst

Amount of products = 1-pentanol + pentanoic acid

Reaction conditions were as follows: alcohol (10 mL), Nb_2O_5 (100 mg), 323 K, under 1 atm of O_2 , O_2 flow rate ($2 \text{ cm}^3 \text{ min}^{-1}$): conversion and selectivity were determined by gas chromatography with an internal standard.