Supporting Information of

Coupling Photocatalytic CO_2 Reduction with Benzyl Alcohol Oxidation to Produce Benzyl Acetate over Cu_2O/Cu

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Fig. S1 TGA curves of Cu_2O/Cu and Cu_2O.

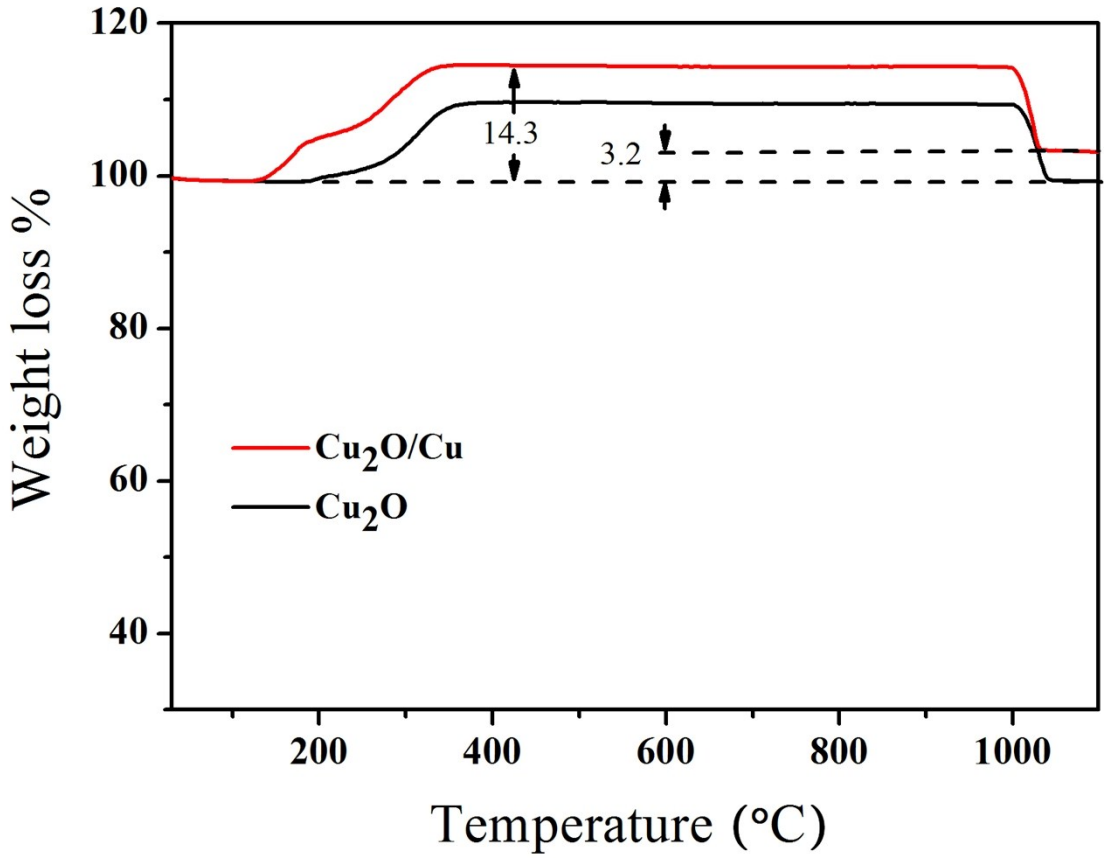

Fig. S2 SEM image of Cu_2O.

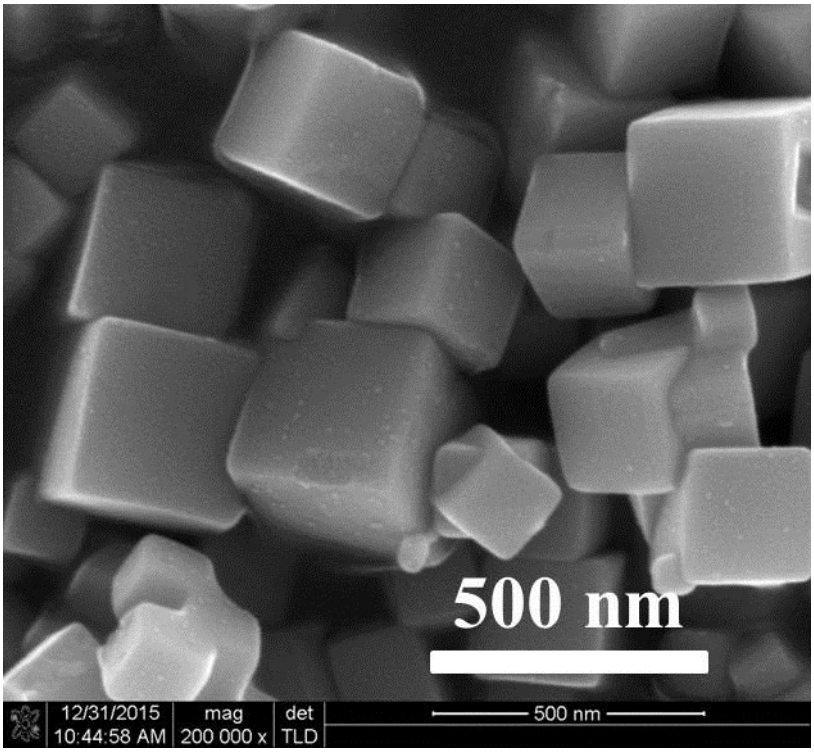

Fig. S3 N_2 adsorption-desorption isotherms of Cu_2O and Cu_2O/Cu.

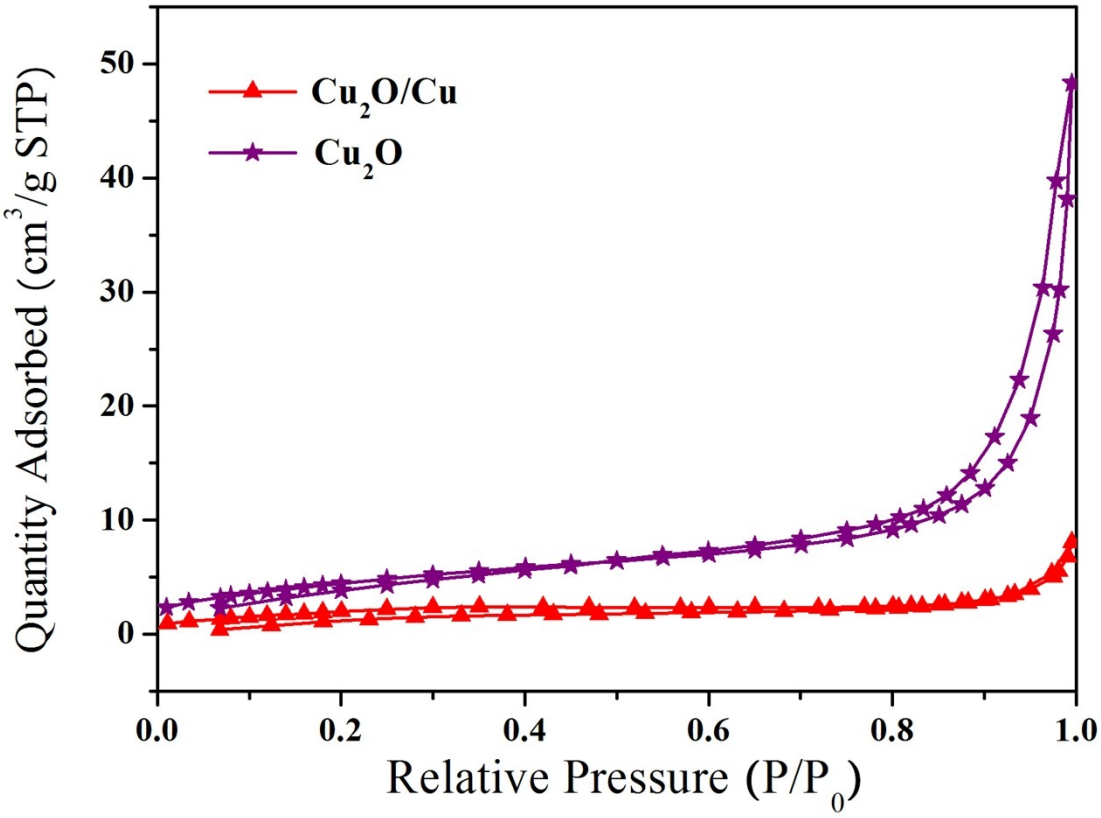

Fig. S4 (a) GC signals of liquid products and (b) MS signals for product with retention time of 8.5 mins.

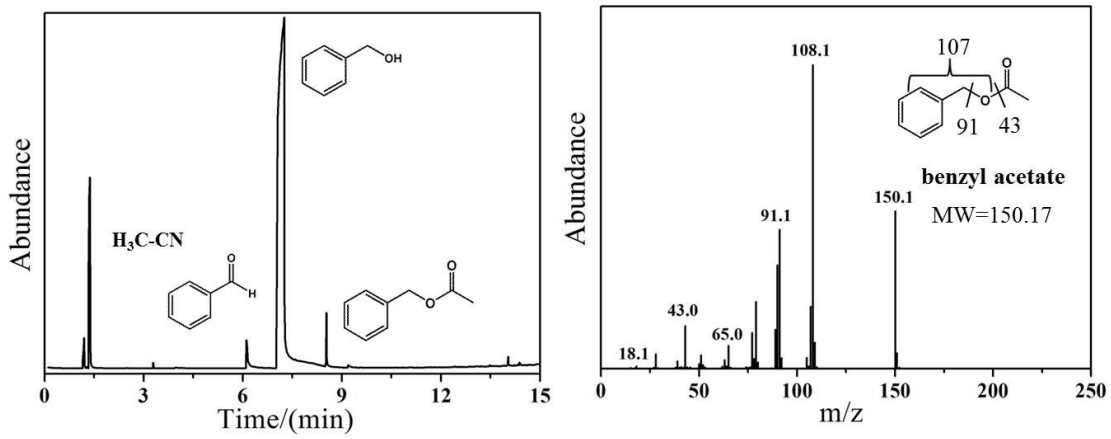

Fig. S5 In-situ IR spectra of Cu_2O/Cu under the atmosphere of different concentration of CO_2.