

## SUPPLEMENTARY INFORMATION

### Gold nanoparticles promote the catalytic activity of ceria for the transalkylation of propylene carbonate to dimethyl carbonate

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Fig. S1. Transmission electron micrograph and particle size distribution of 0.44wt% Au/CeO<sub>2</sub>.

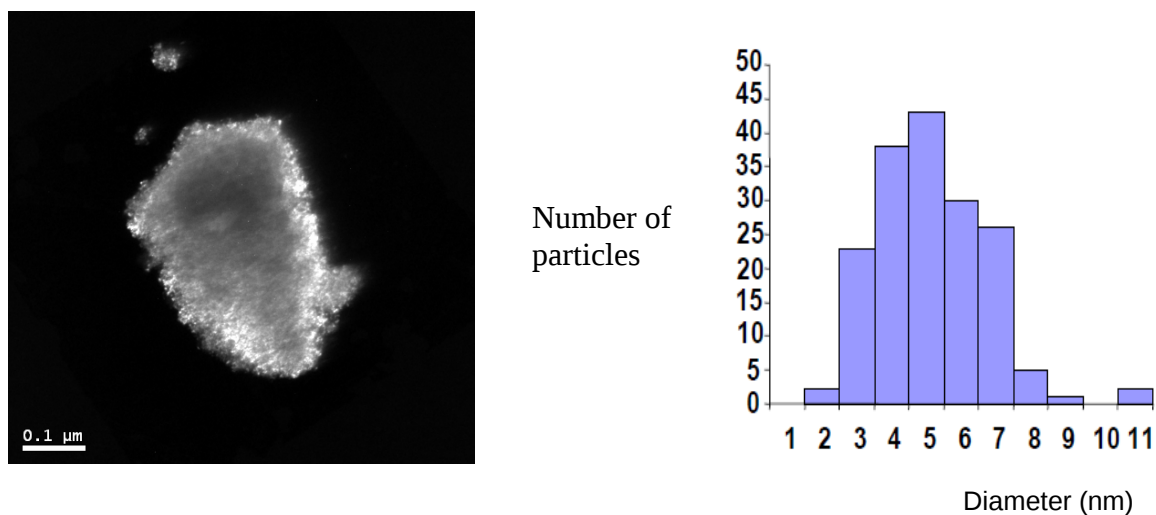


Fig. S2. FTIR spectra of nanocrystalline CeO<sub>2</sub> before (a) and after (b) DMC adsorption at room temperature.

