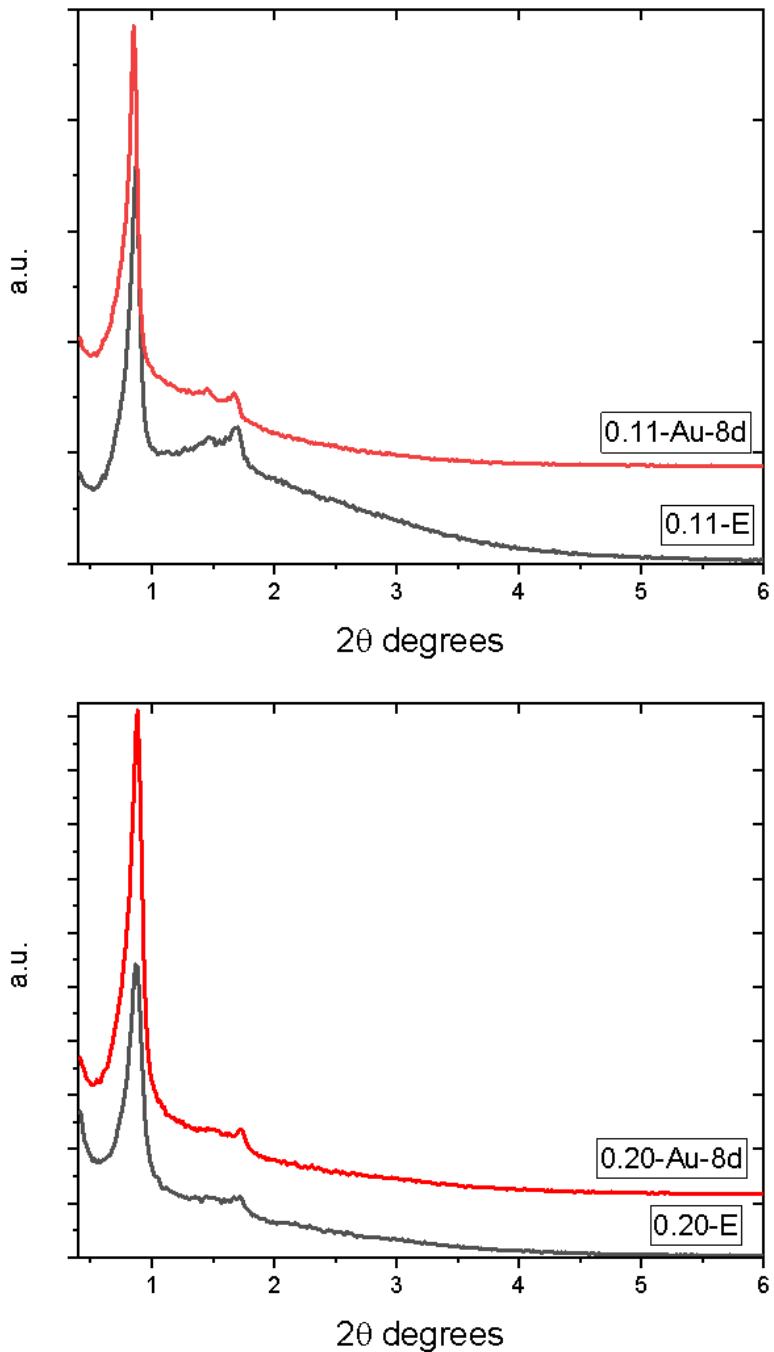
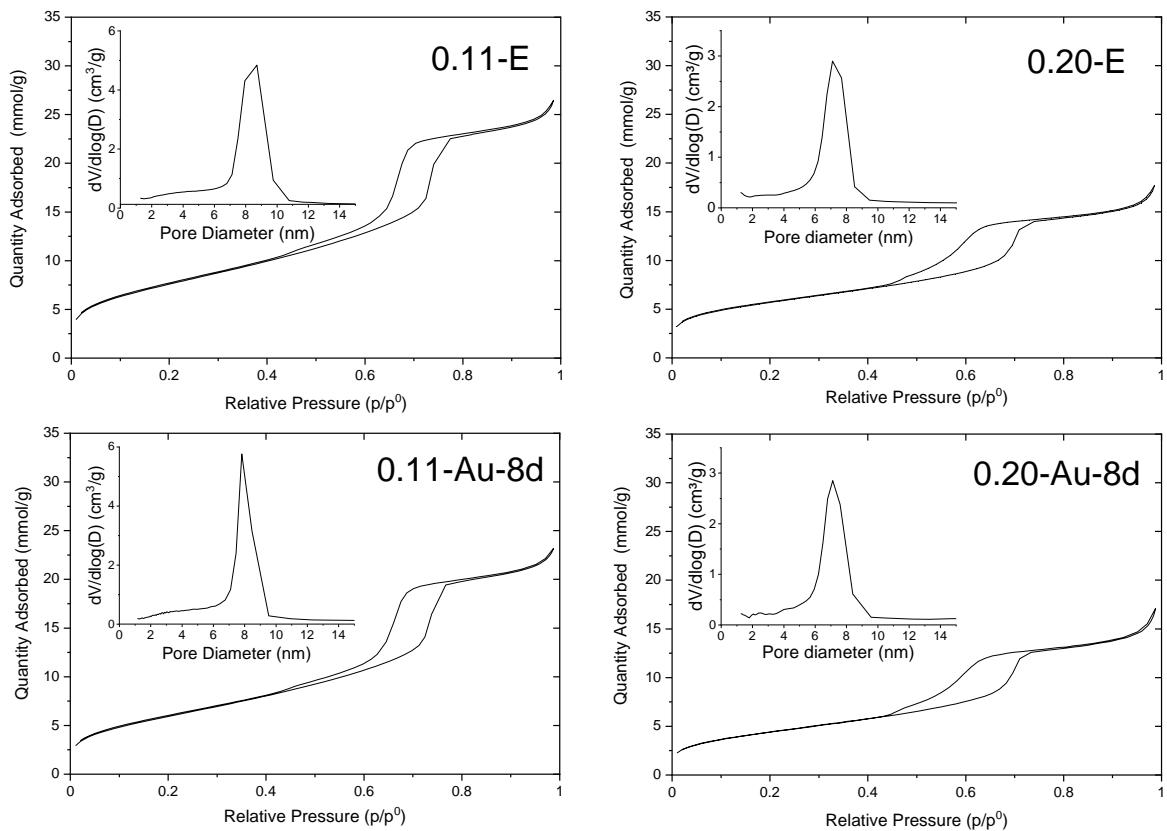


## Supplementary Materials

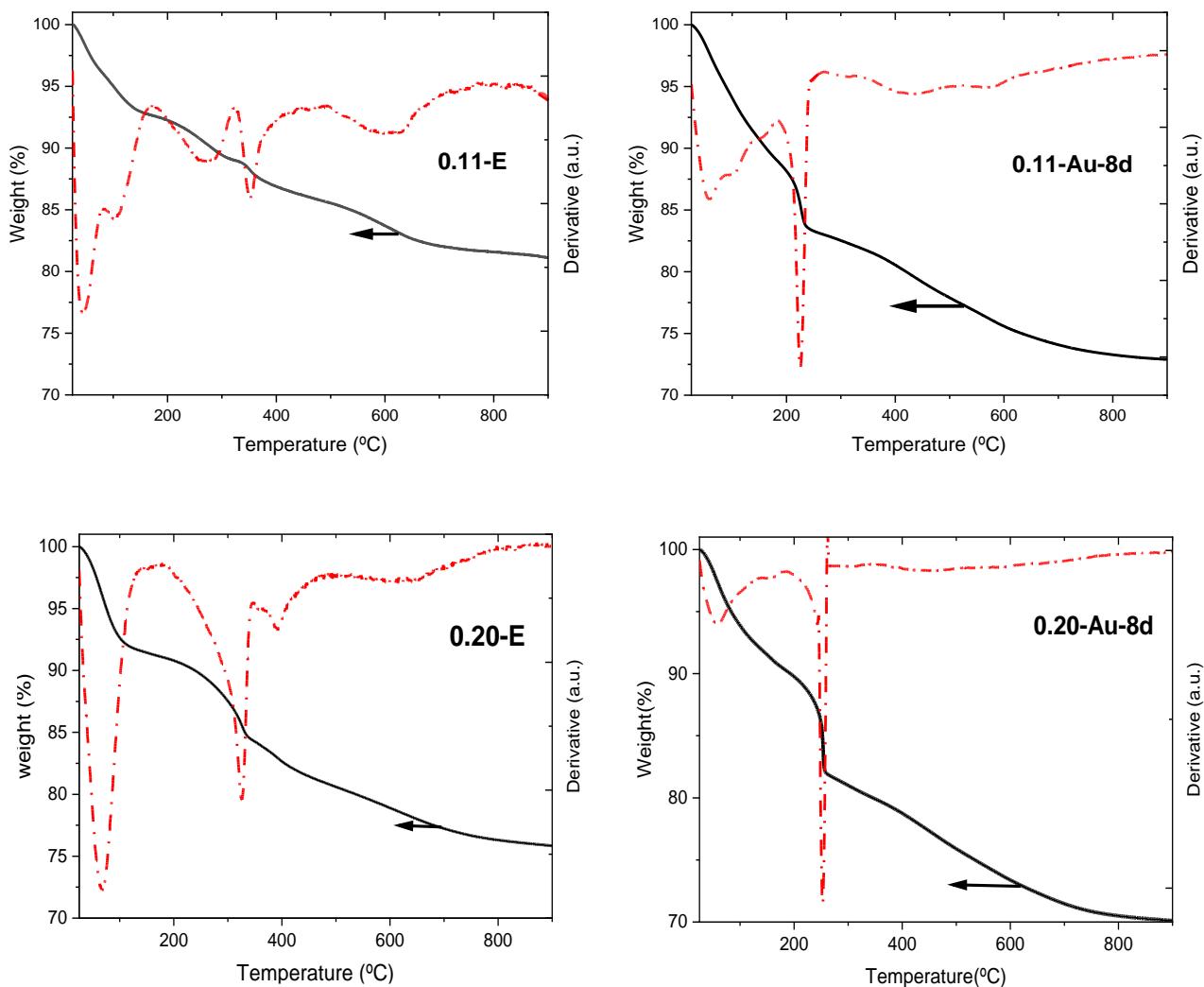
### S1. XRD patterns of representative samples



S2. N<sub>2</sub> adsorption/desorption isotherms of samples: 0.11-E and 0.20-E (top); 0.11-Au-8d and 0.20-Au-8d (bottom). Inset: pore size distribution.



S3. TG/DTG curves of samples: 0.11-E and 0.20-E (left); 0.11-Au-8d and 0.20-Au-8d catalysts (right).



S4. Evolution of the two liquid phase system at times of a) 0 days, b) 1 day and c) 8 days.

