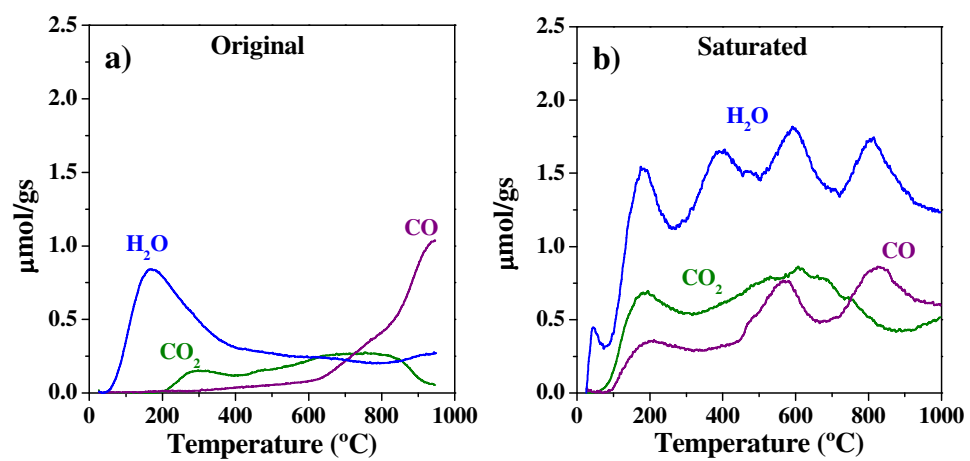
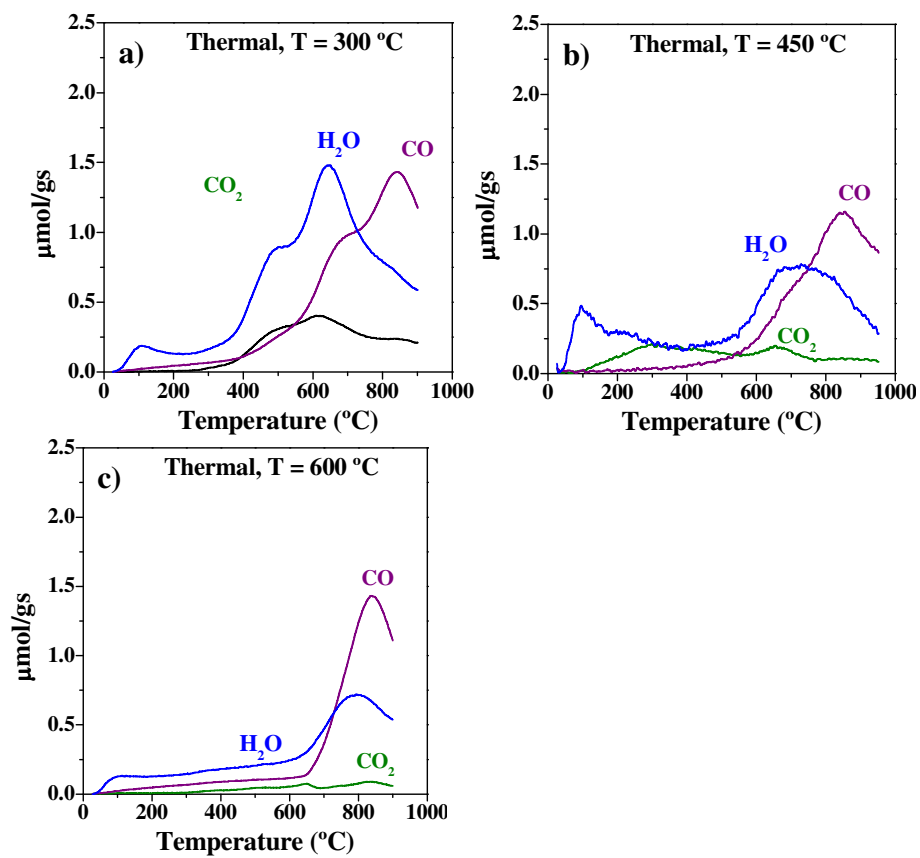


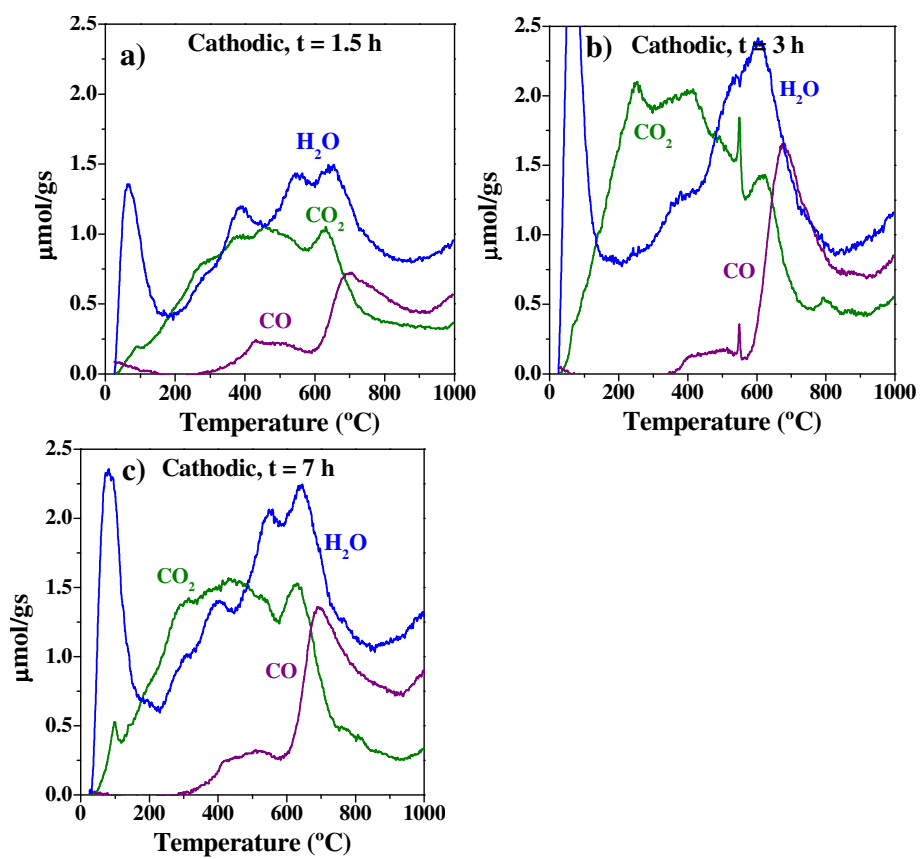
Supporting Information Available



**Figure S1.** TPDs of H<sub>2</sub>O, CO and CO<sub>2</sub> from a) original and b) phenol-saturated AC samples.



**Figure S2.** TPDs of  $\text{H}_2\text{O}$ ,  $\text{CO}$  and  $\text{CO}_2$  from AC samples thermally-regenerated at different temperatures.



**Figure S3.** TPDs of H<sub>2</sub>O, CO and CO<sub>2</sub> from AC samples cathodically-regenerated for different times, at 0.2 A in 0.5 M NaOH solution.

