



Figure S1. CO₂ and CO evolution in TPD experiments carried out with the carbon materials used as support

Details of the parameters used in GC analysis are:

Oven temperature : 313 K
Injector temperature : 423 K
Detector temperature: 523 K
Heating program: 313 K, 2 min, and then heating at 75 K/min up to 423 K, 7 min.
Air flow: 450 mL/min, H₂ flow: 150 mL/min
Column flow: 1.3 mL/min
Injected volume: 1 μL
Retention time:
-cyclohexane -- 3.0 min
-cyclohexene -- 3.1 min
- decane – 5.9 min