

Supporting Information

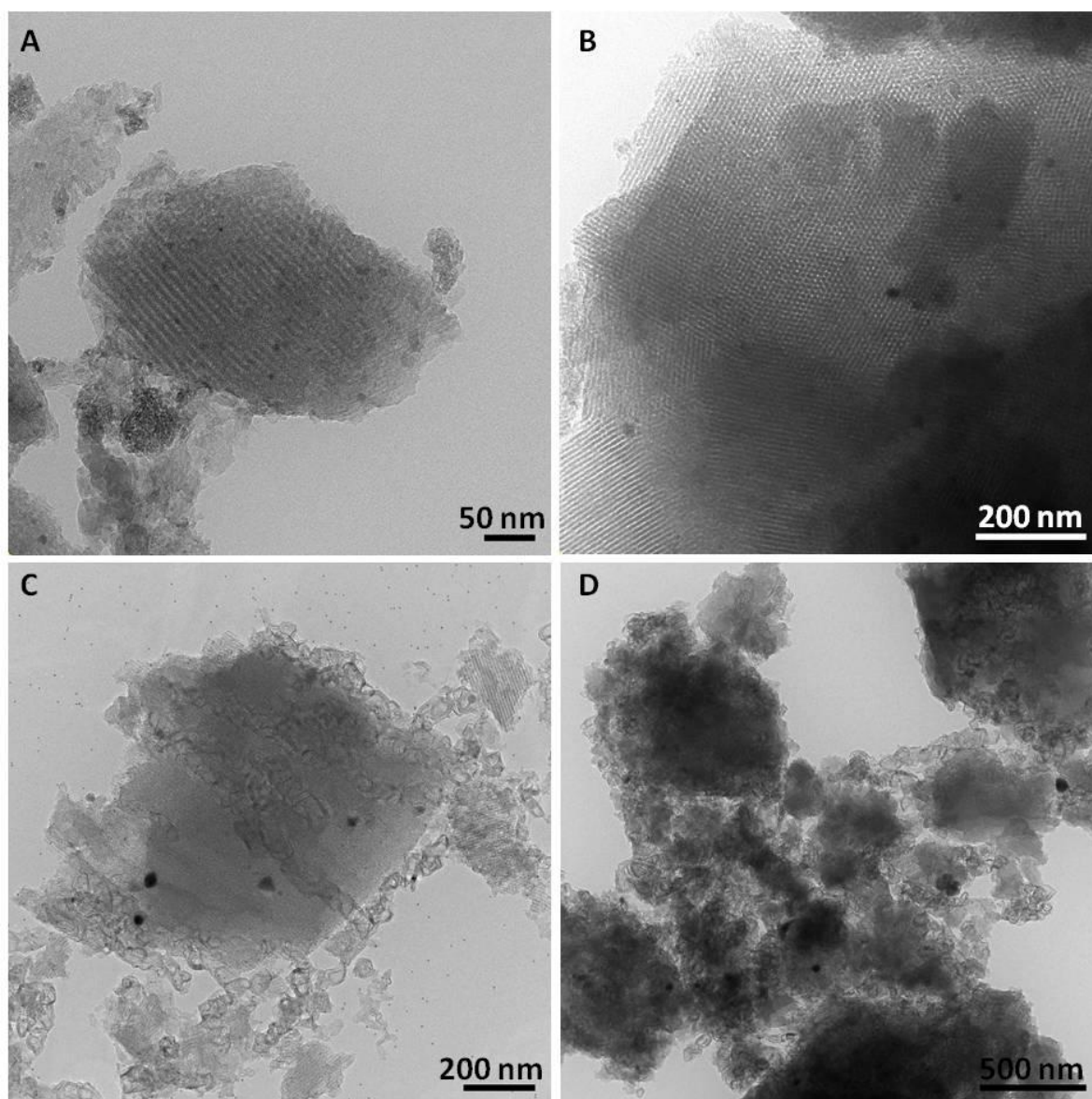


Figure S1. TEM images (A-D) of OMCs pyrolysed at 700, 800, 900 and 1000 °C.

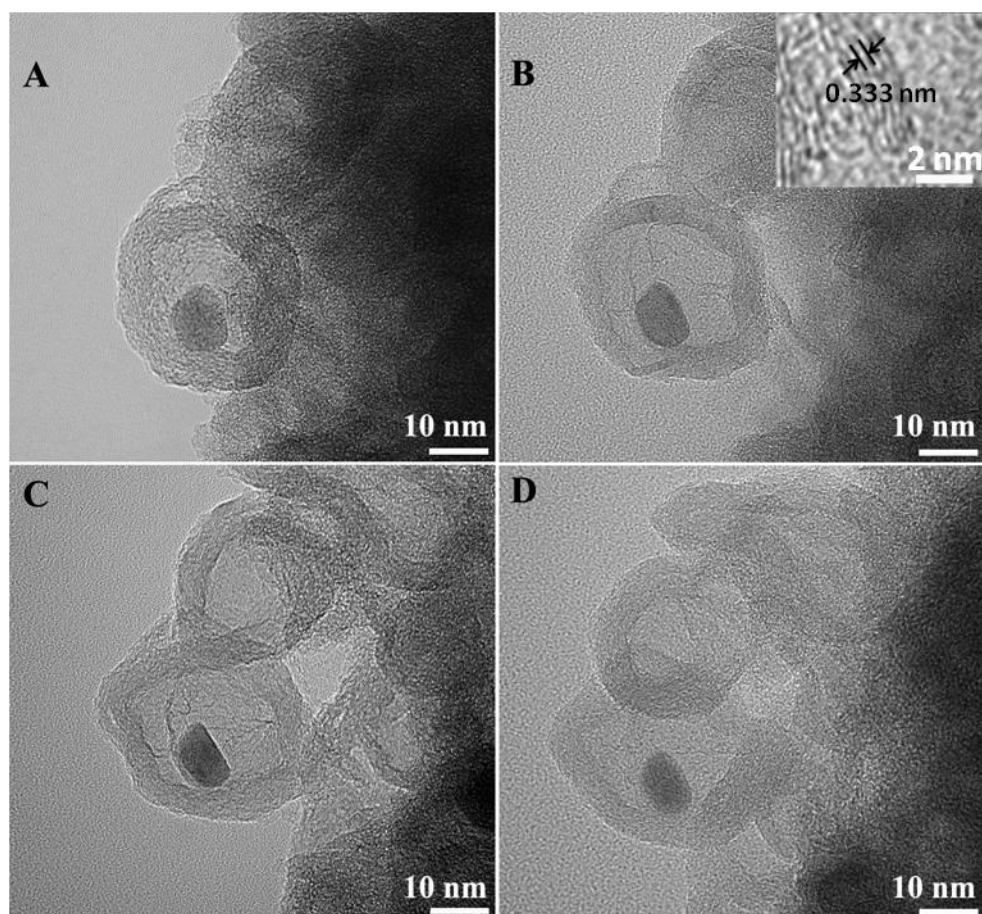


Figure S2. TEM images of a typical carbon nano-coil containing iron oxide in the carbon material treated at 900 °C taken in different tilting angles: -20° (A), 0° (B), +20° (C), and +40° (D). Inset of B is the high resolution TEM image which confirms the graphite structure with the d_{002} spacing of 0.333 nm, in accordance with the XRD results.

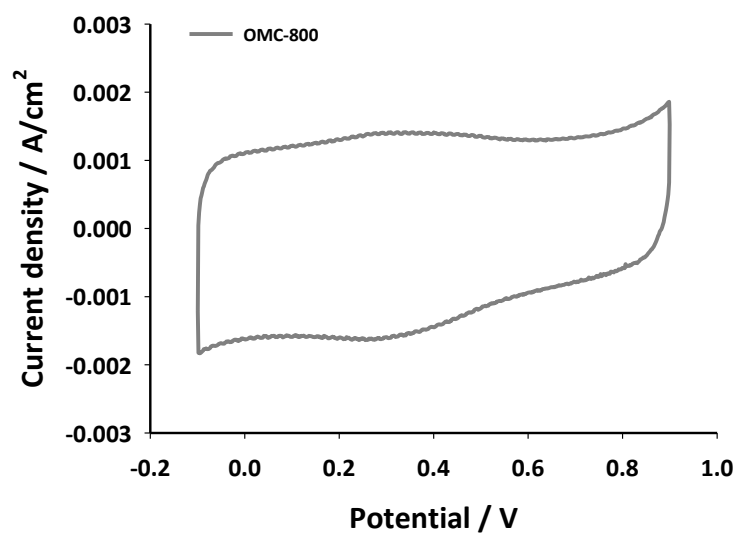


Figure S3. Cyclic voltammogram of OMC-800 recorded before cycling measurements in three-electrode cell at a scan rate of 5 mV/s in 1M H₂SO₄.

Supporting movies are available from the authors.