

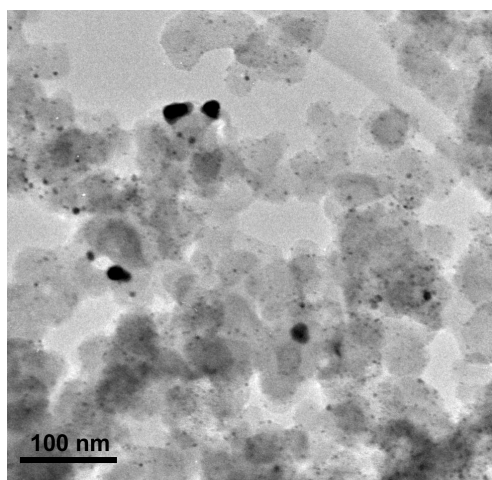
## Synthesis of Carbon-Supported Platinum Nanoparticles using Nanocrystalline Cellulose as Reducing Agent

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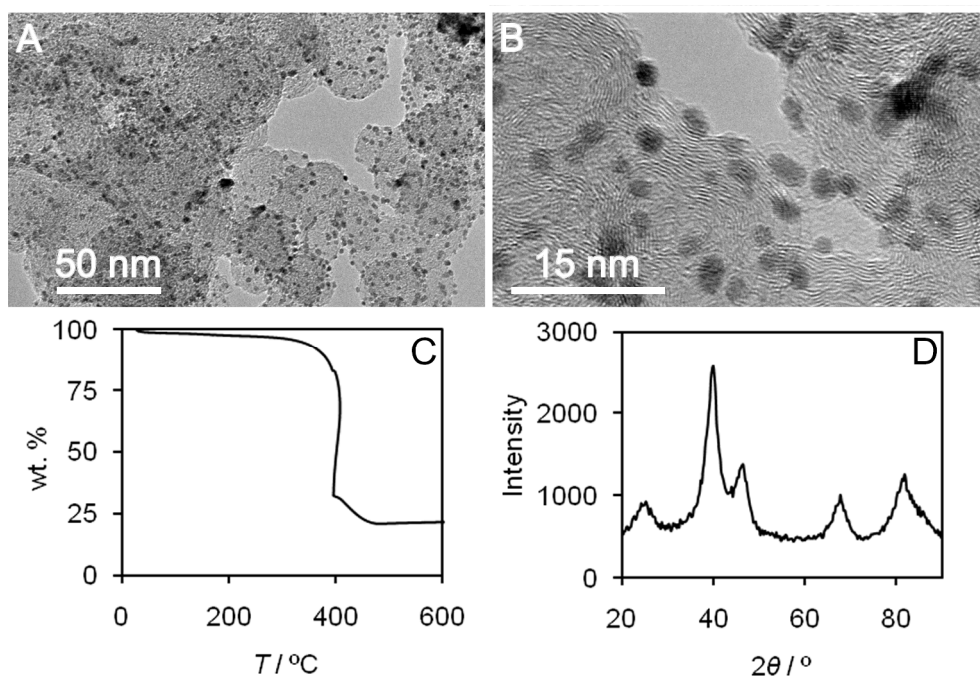
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Supplementary Information



**Figure 1.** TEM image of Pt/C, obtained from heating a mixture of  $\text{H}_2\text{PtCl}_6$  (100 mM) and CNXLs (3 mg) and Vulcan XC72R (5 mg) in water (1 mL), after removal of the CNXLs by heating the solid product in air at 445 °C.



**Figure 2.** (A and B) TEM images of commercially-available Johnson-Matthey Pt/C (20 wt. %). (C) TGA trace of the JM Pt/C catalyst. (D) X-ray diffractogram of JM Pt/C catalyst.