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

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Supplementary Information

Figure 1. TEM image of Pt/C, obtained from heating a mixture of H₂PtCl₆ (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.