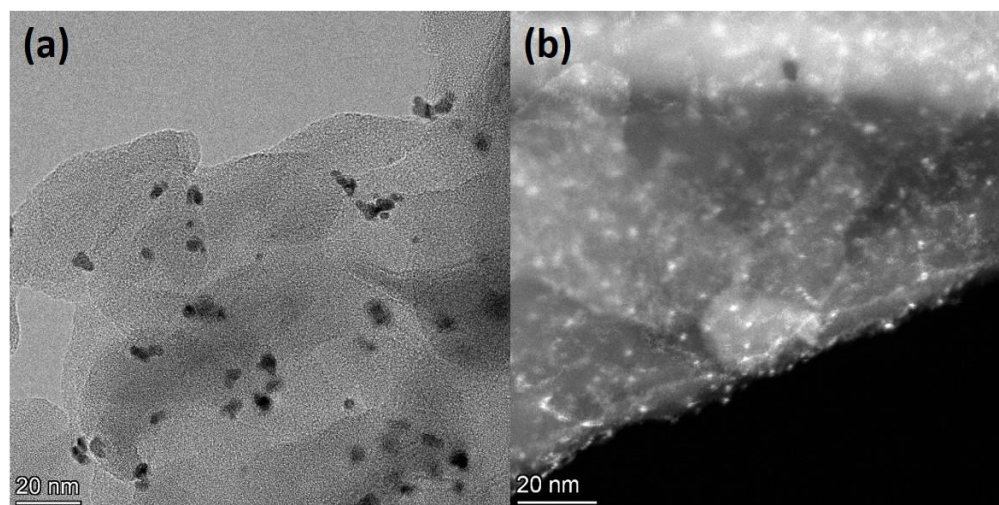


**Figure S1.** XRD pattern of the g-C<sub>3</sub>N<sub>4</sub> 600.



**Figure S2.** HR TEM image of 1% Pt(CD)/g-C<sub>3</sub>N<sub>4</sub> 600 (a) and HAADF STEM image of 1% Pt(PD)/g-C<sub>3</sub>N<sub>4</sub> 600 (b).