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Supplementary Material

Enhancement of Durability and Electrocatalytic Activity of Pt/C via CTAB Modified Ultrathin Mesoporous Silica Coating for Methanol Oxidation

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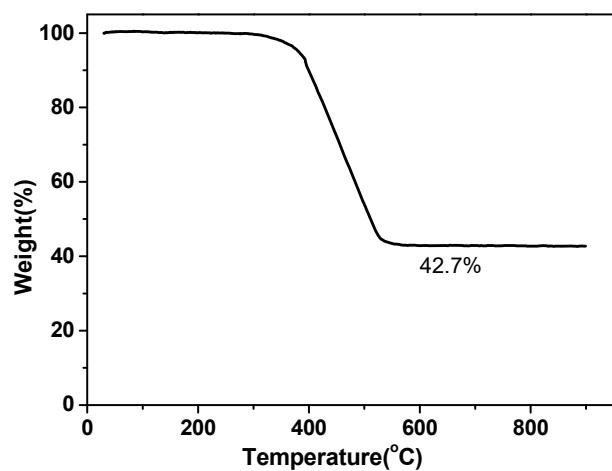


Figure S1 Thermal graph of the synthesized Pt/C@mSiO₂ in air (10 °C min⁻¹, 30-900 °C)

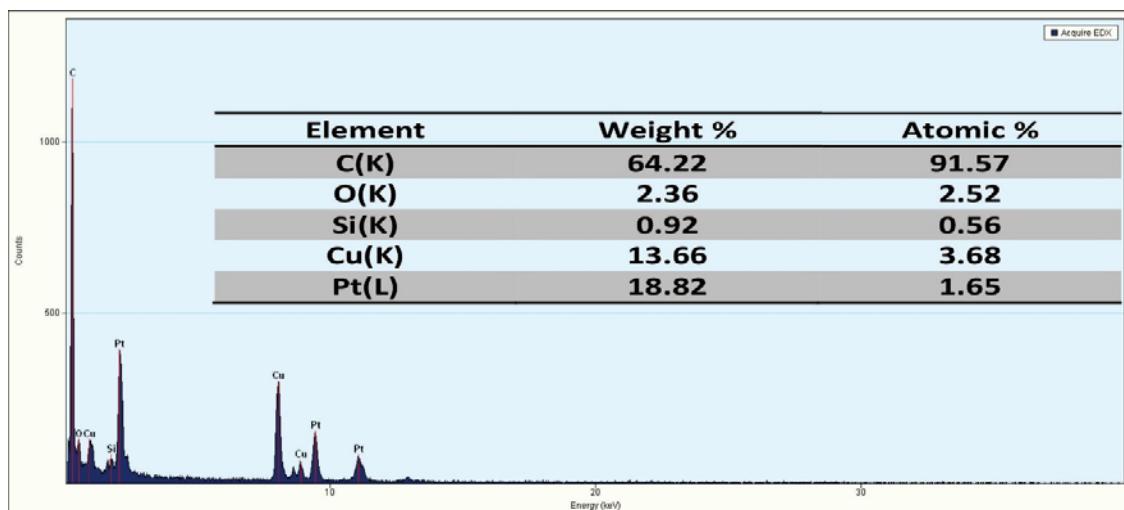


Figure S2 The EDS spectra of Pt/C@mSiO₂

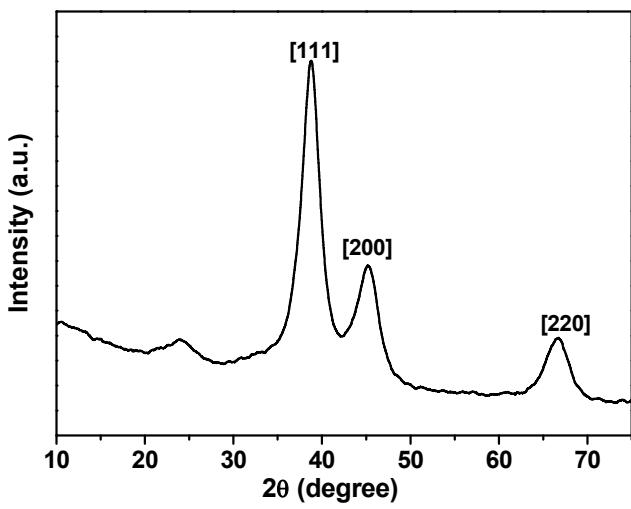


Figure S3 X-ray diffraction pattern of Pt/C@mSiO₂

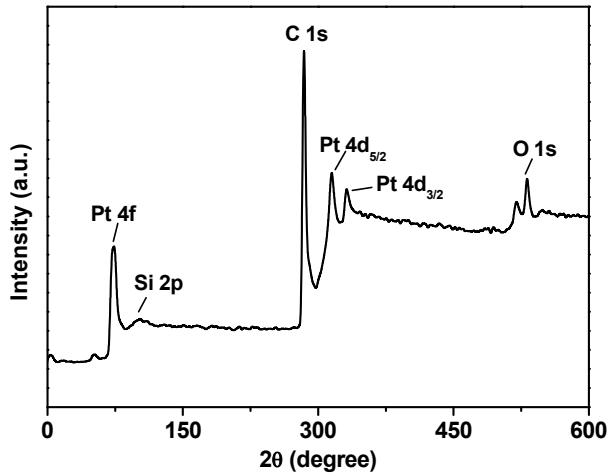


Figure S4 The full XPS spectra of Pt/C@mSiO₂

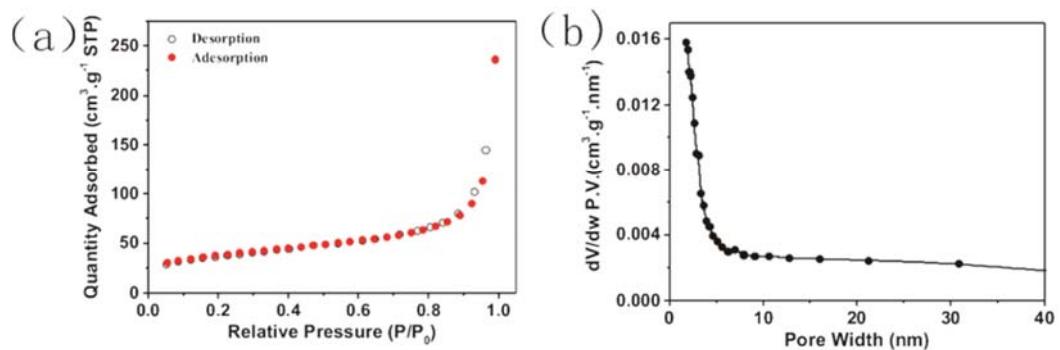


Figure S5 (a) Nitrogen adsorption and desorption of Pt/C@mSiO₂ at 77K and 1bar and (b) pore size distribution calculated based on Barrett-Joyner-Halenda (BJH) model