

Supporting Information

One-step fabrication of CuO-doped TiO₂ nanotubes enhanced the catalytic activity of Pt nanoparticles towards methanol oxidation reaction in acid media

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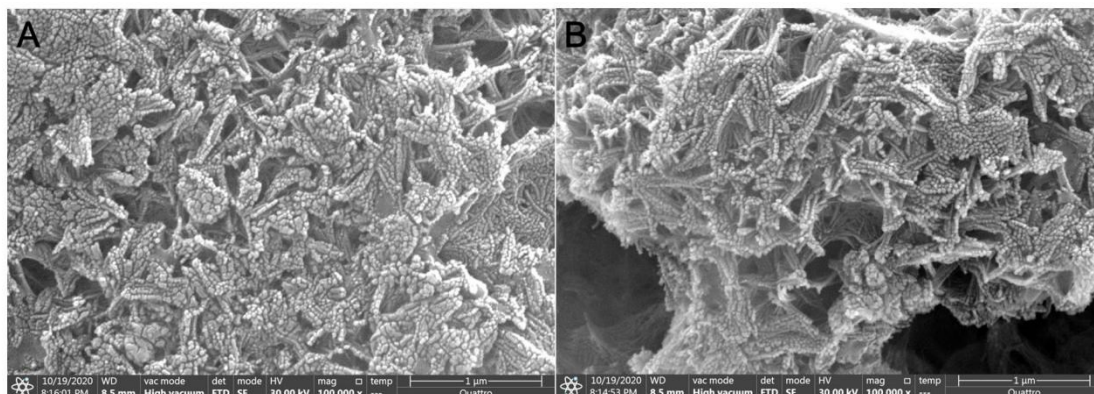


Fig.S1 Representative SEM images of the TiO_2/CuO nanotubes.

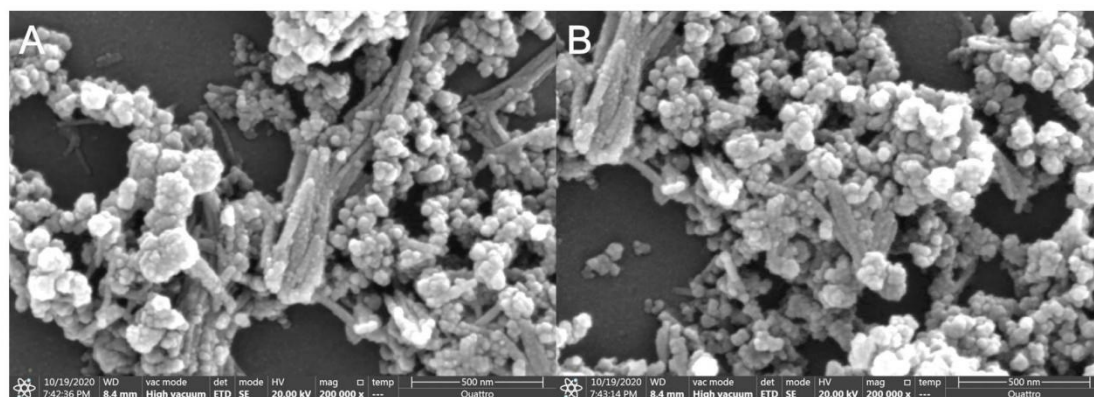


Fig.S2 Representative SEM images of the $\text{Pt}/\text{CuO}/\text{TiO}_2/\text{C}$ hybrid material.

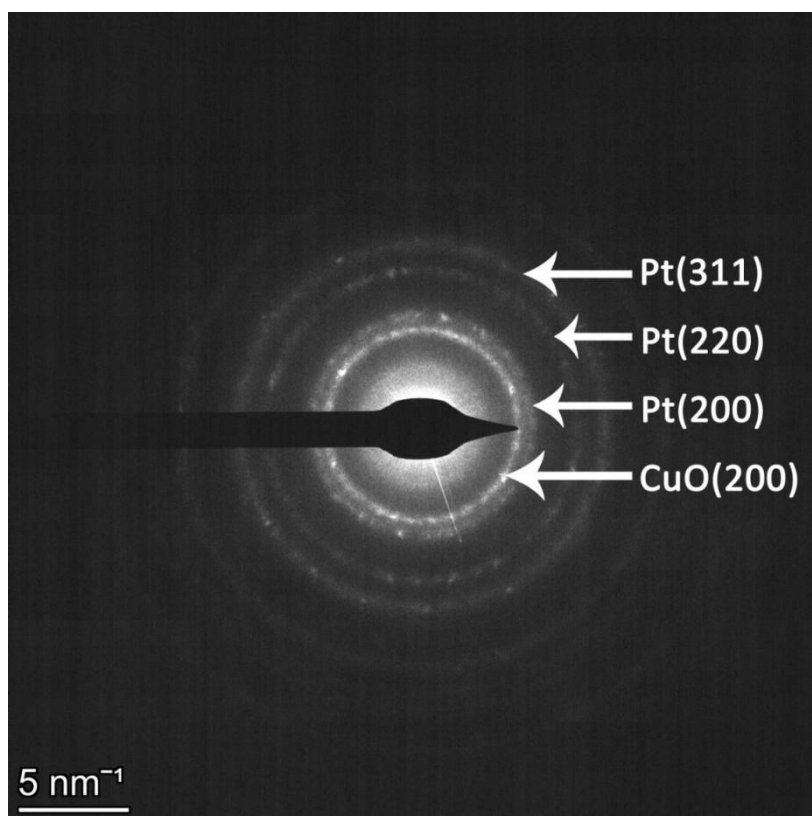


Fig.S3 SAED image of the Pt/CuO/TiO₂/C.

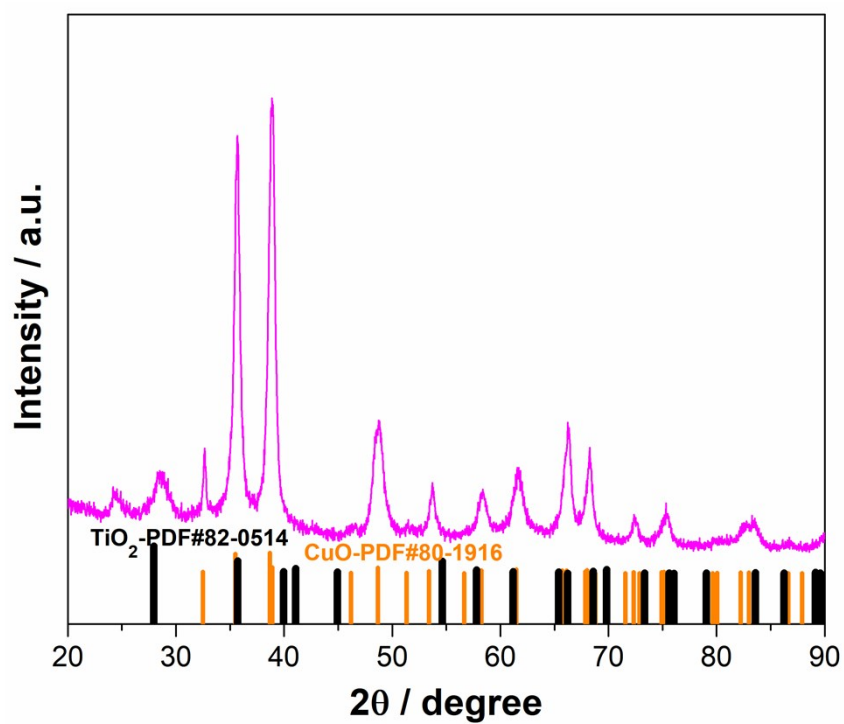


Fig.S4 The XRD pattern of the TiO₂-CuO nanotubes that treated with NaOH solution.