

Pd induced Pt(IV) reduction to form Pd@Pt/CNT core-shell catalyst for a more complete oxygen reduction

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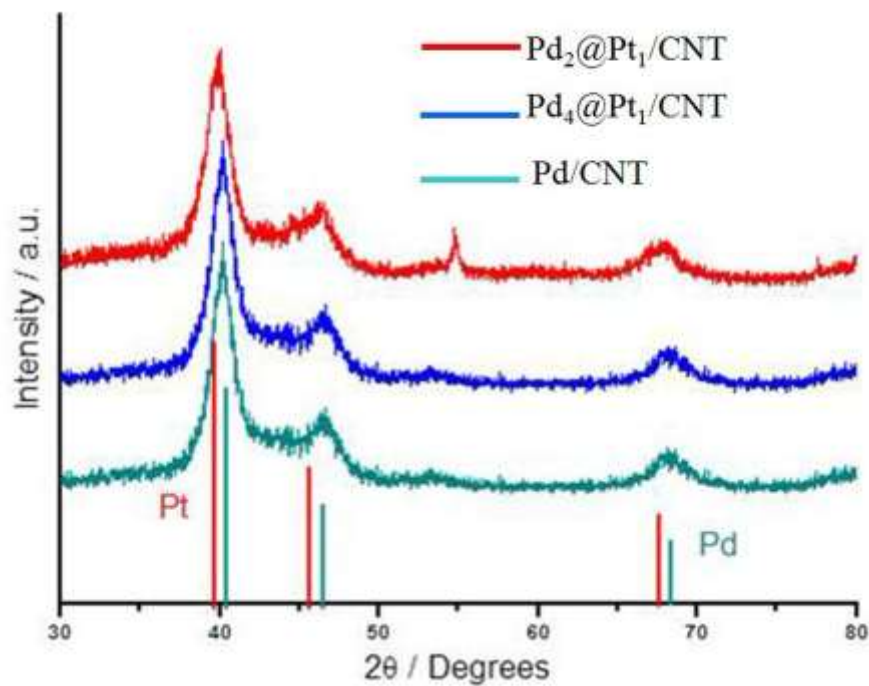


Fig. S1. X-ray diffraction of the prepared Pd/CNT, Pd₄@Pt₁/CNT and Pd₂@Pt₁/CNT.

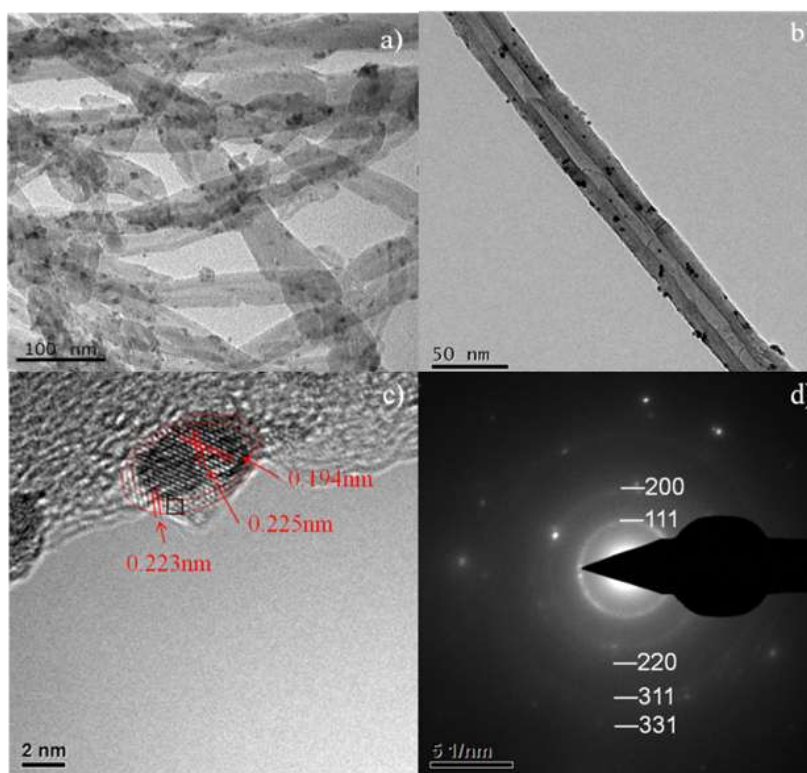


Fig. S2. TEM images of Pd/CNT (a) and Pd₂@Pt₁/CNT (b). HRTEM image of Pd₂@Pt₁/CNT(c), and selected area electron diffraction (d) of the ring in the (c).

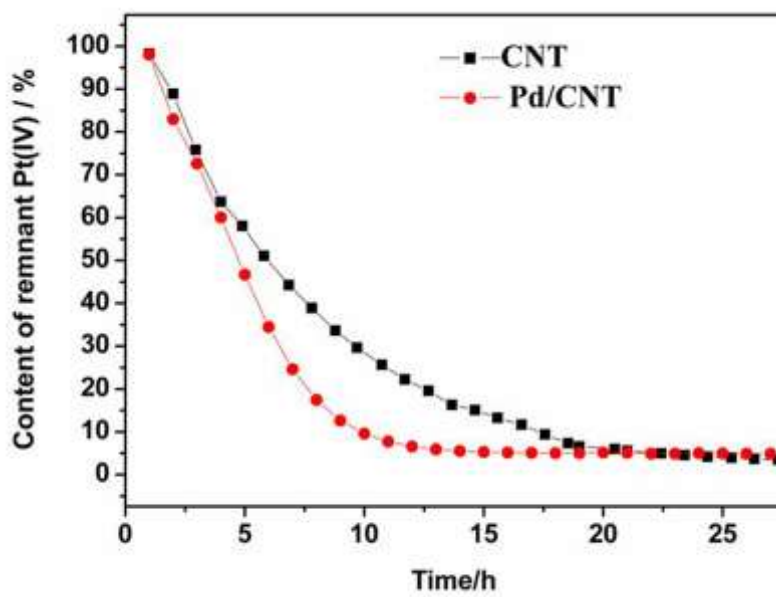


Fig. S3. The relative content of remnant PtCl_6^{2-} vs. reduction time

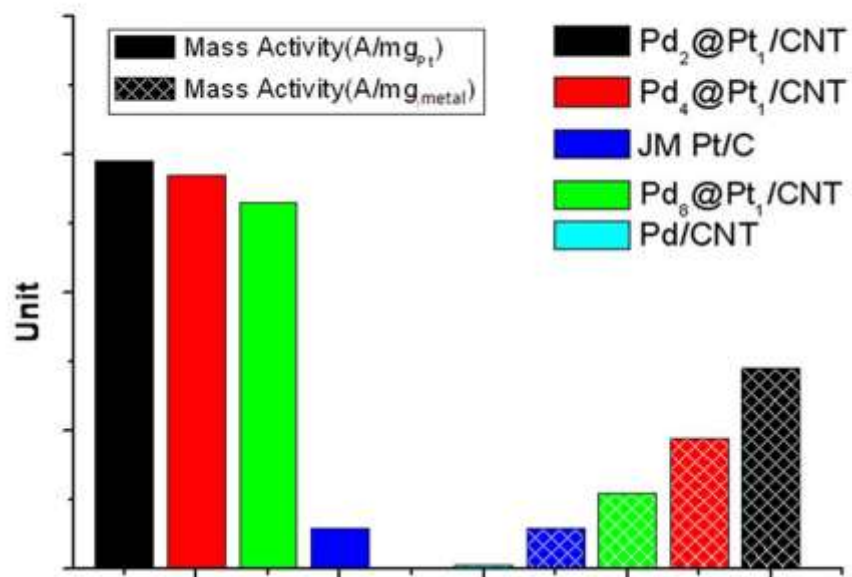


Fig. S4. The mass activity (MA, A mg⁻¹) at 0.9 V for the different samples.

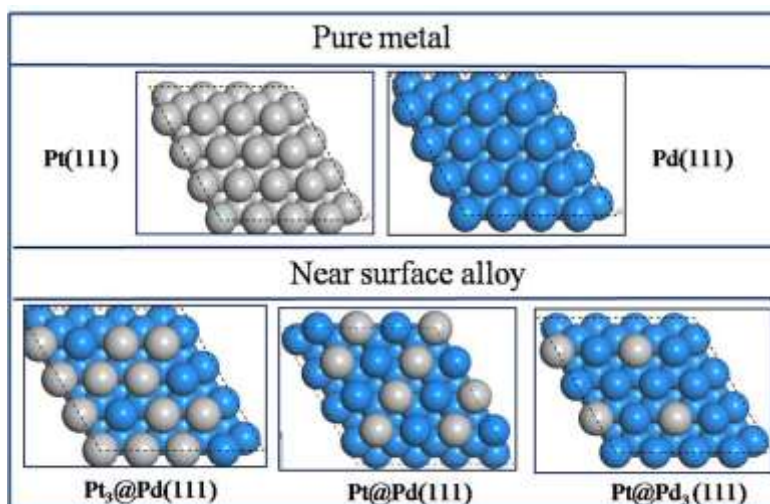


Fig. S5. Models of pure metals and near surface alloy PdPt