

PtCu Bimetallic Alloy Nanotubes with Porous Surface for Oxygen Reduction Reaction

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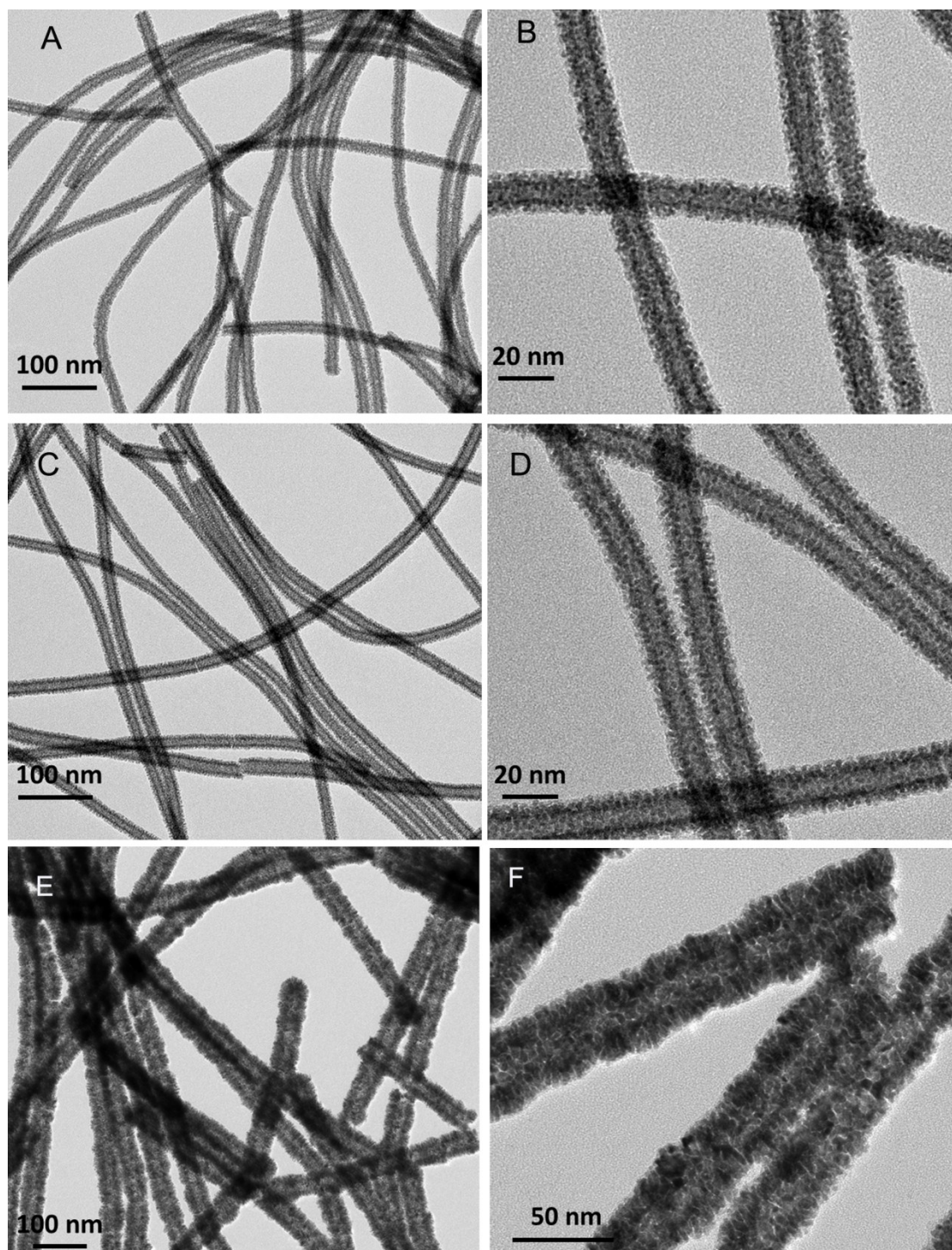


Figure S1. TEM images of Pt₆₃Cu₃₇ (A, B), Pt₈₂Cu₁₈ (C, D) BANTs, and Pt NTs (E, F).

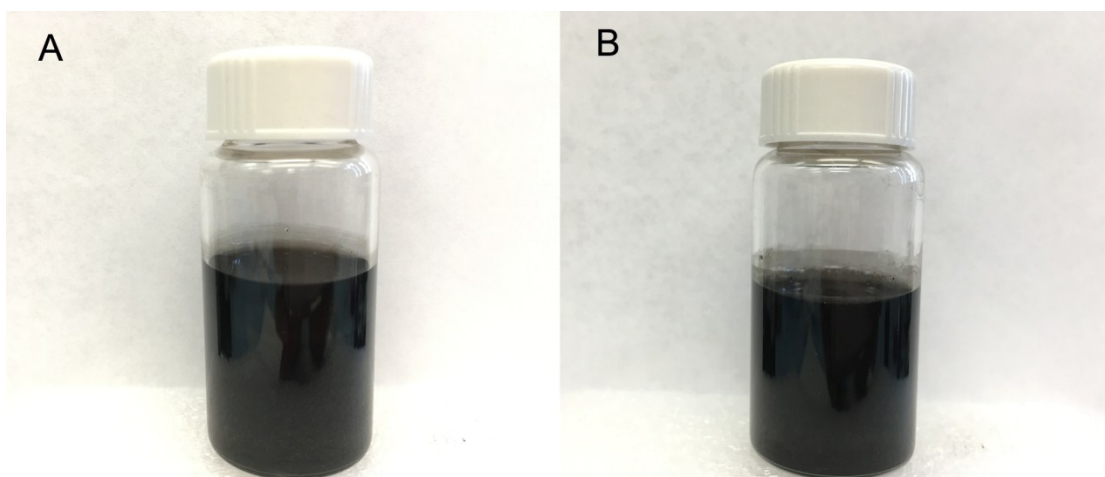


Figure S2. Digital pictures of PtCu BANTs dispersed in water (A) and ethanol (B).

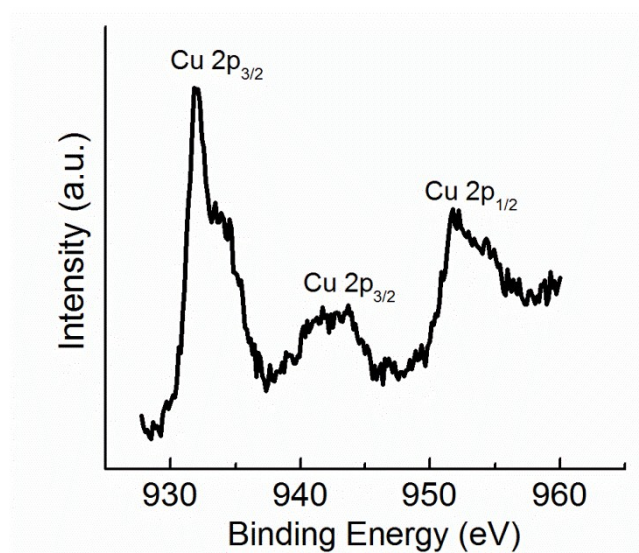


Figure S3. High resolution XPS spectrum of Cu in Pt₇₆Cu₂₄ BANTs.

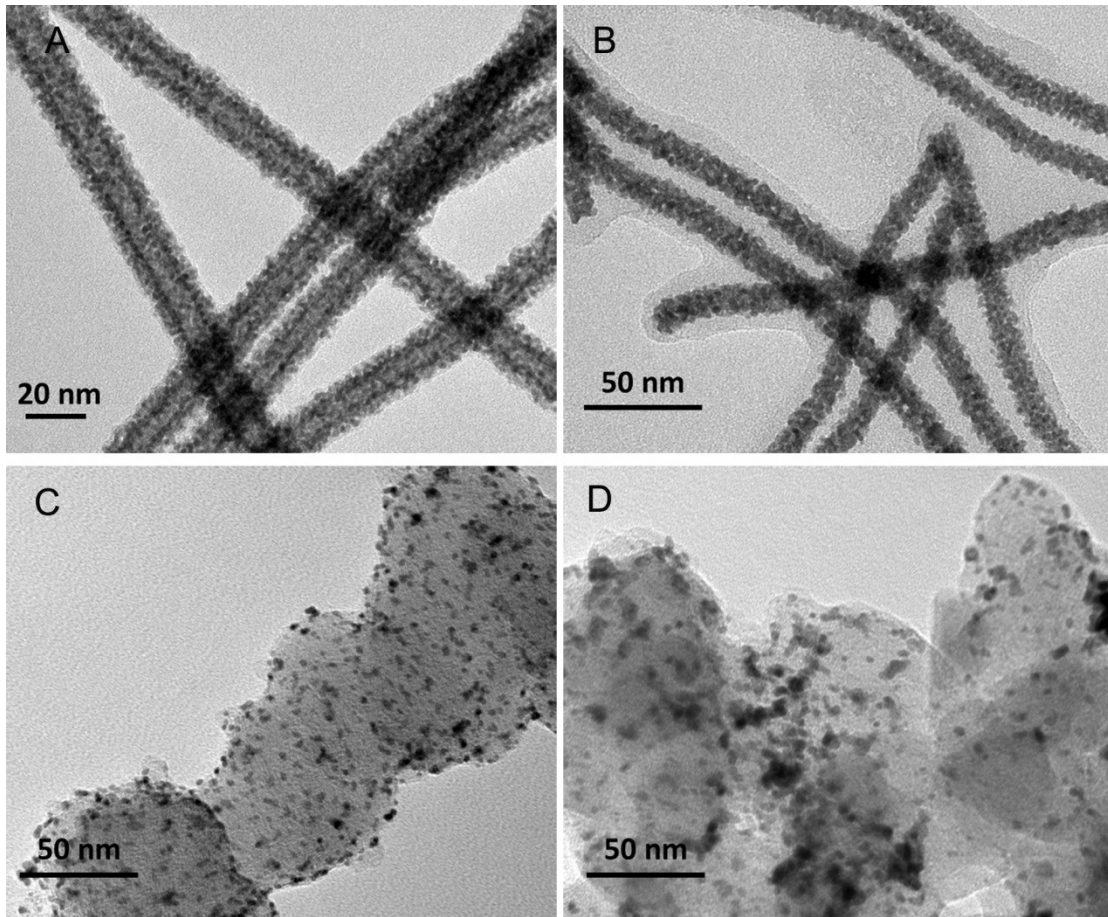


Figure S4. TEM images of $\text{Pt}_{76}\text{Cu}_{24}$ BANTs before (A) and after (B) ADT. TEM images of commercial Pt/C catalyst before (C) and after (D) ADT.

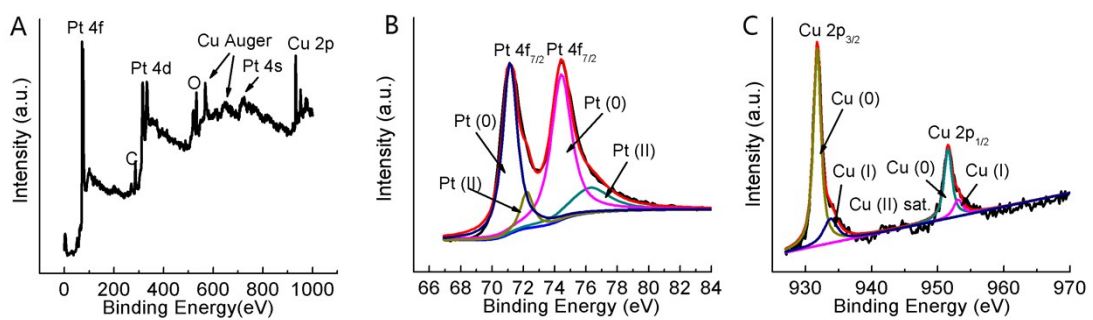


Figure S5. XPS spectrum, high resolution XPS spectra of Pt and Cu in $\text{Pt}_{76}\text{Cu}_{24}$ BANTs after ADT.