

Supporting information

One-Pot Synthesis of PtRu Nanodendrites as Efficient Catalyst for Methanol Oxidation Reaction

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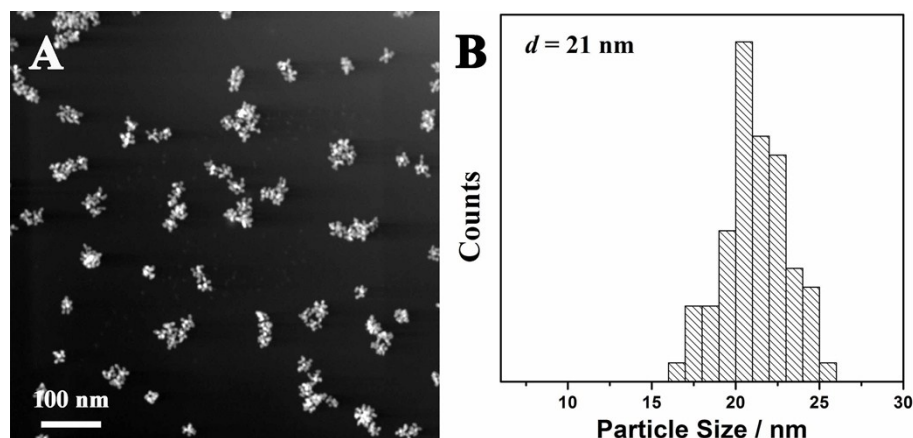


Figure S1. (A) HAADF-STEM image and (B) particle size distribution of PtRu nanodendrites synthesized under the typical reaction conditions.

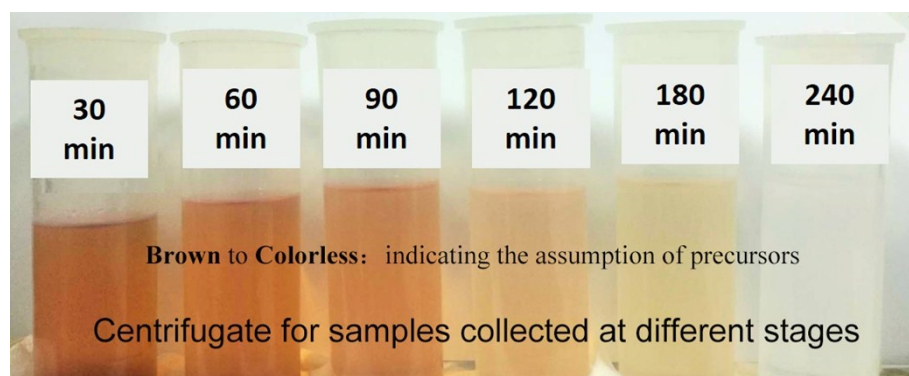


Figure S2. Photographs of centrifuges for samples collected at different reaction times.

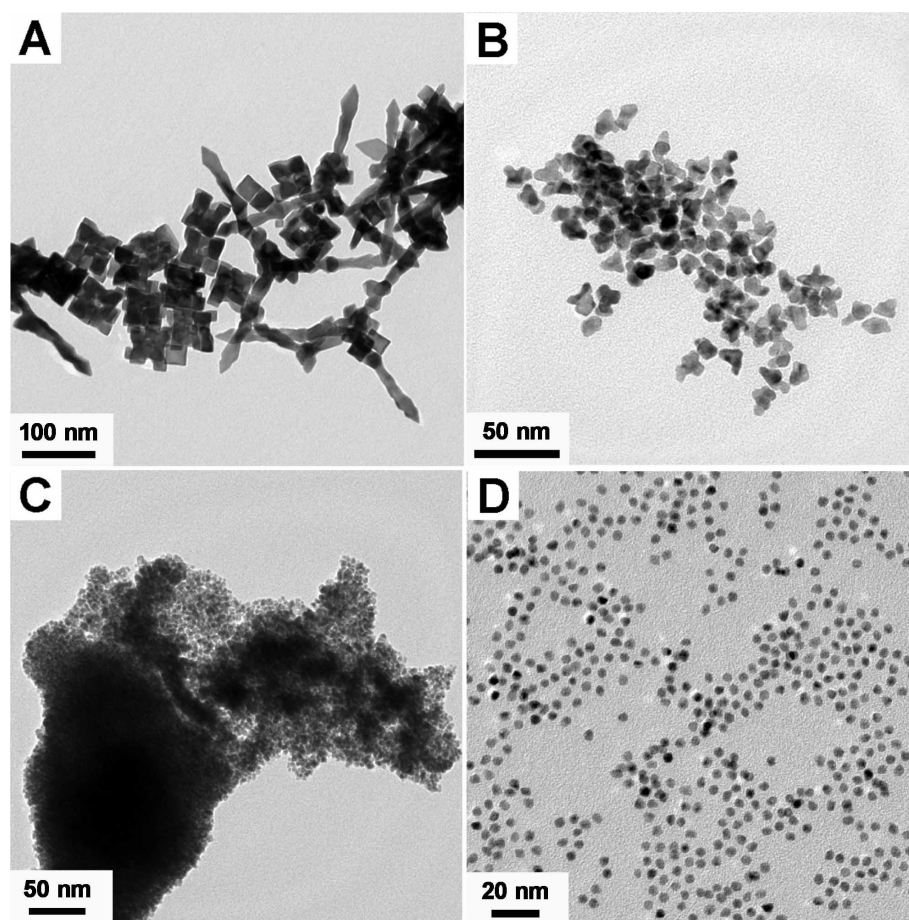


Figure S3. (A) TEM images of mono Pt NCs synthesized in the absence of Ru salt; (B) PtRu NCs samples in the presence of 0.0625 mmol of Ru salt; (C) PtRu NCs obtained via using oleic acid instead of oleylamine; (D) PtRu NCs prepared by using N₂ instead of H₂ gas.

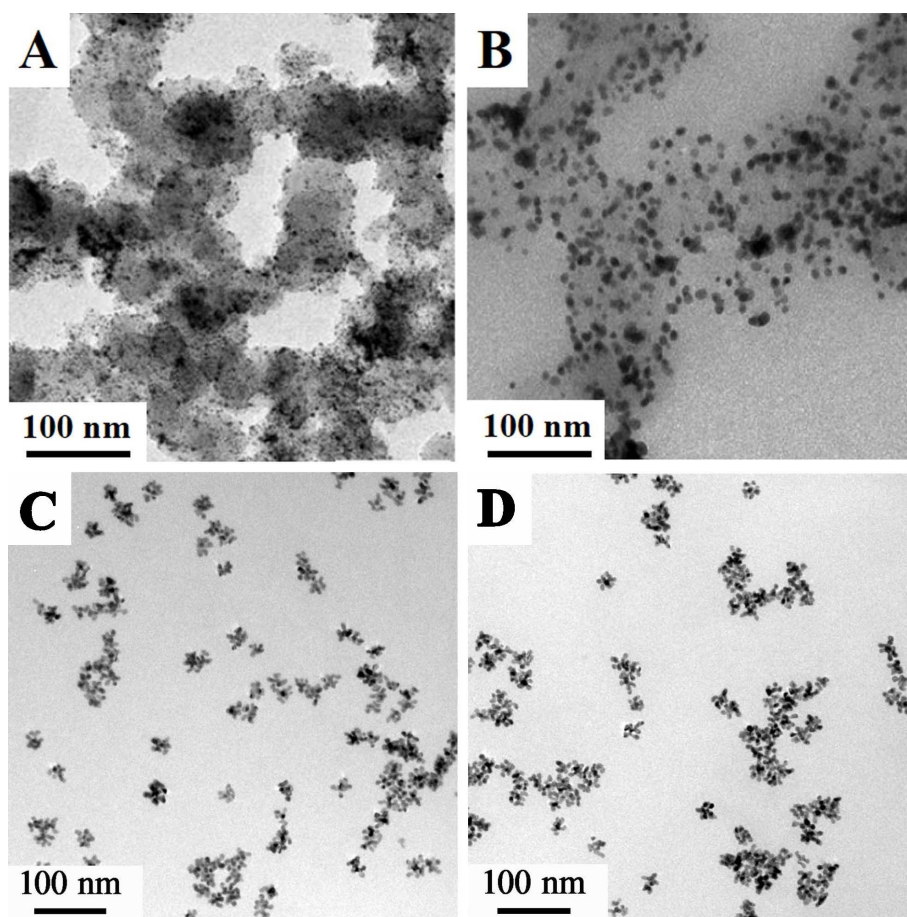


Figure S4. TEM images of (a, b) commercial Pt/C catalyst and (c, d) PtRu nanodendrites before and after 2,000 potential durability cycles, respectively.