

Figure S1. TEM images of Pt/Fe₂O₃(IM) samples before (a) and after (b) H-O treatment at 600 °C.

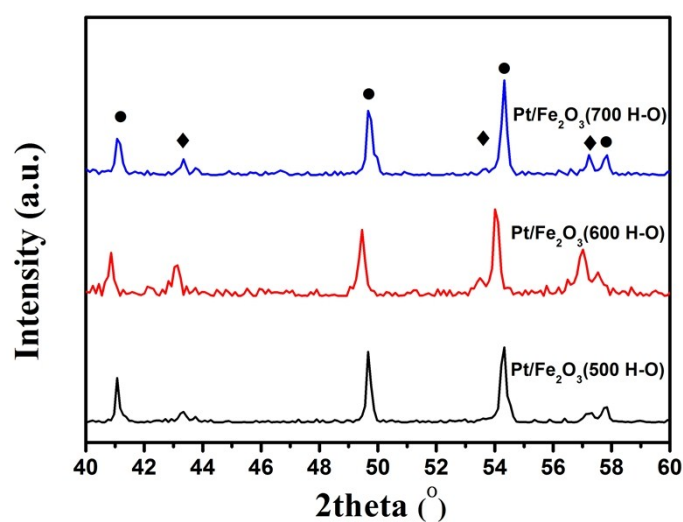


Figure S2. XRD patterns of Pt/Fe₂O₃ after H-O treatment at different temperatures.

● and ◆ represent the diffraction peaks ascribed to α-Fe₂O₃ and γ-Fe₂O₃, respectively.

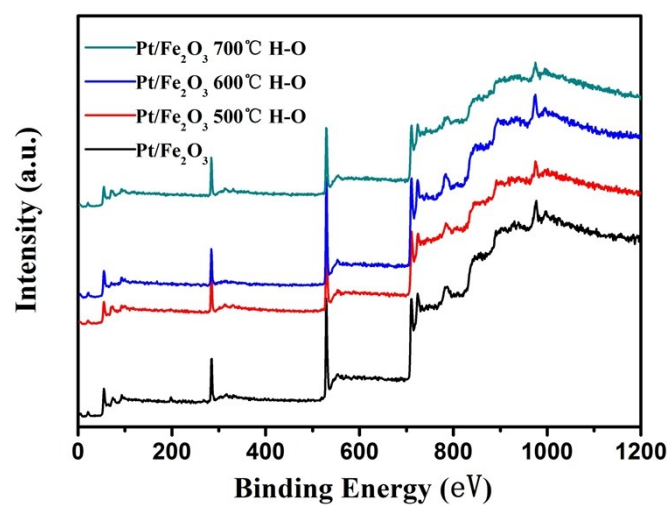


Figure S3. Survey scans of XPS spectra for Pt/Fe₂O₃ samples before and after H-O treatment.

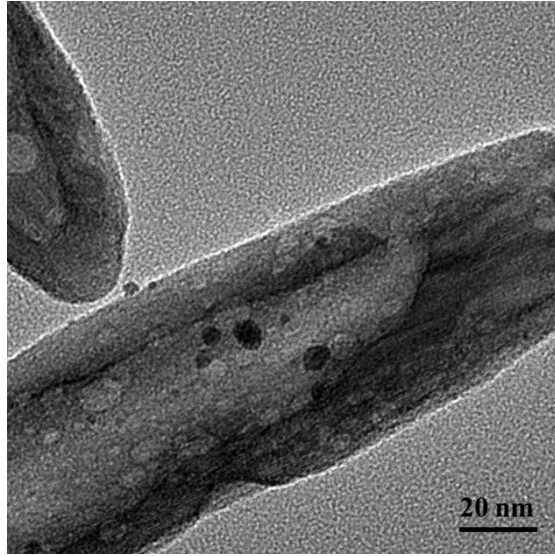


Figure S4. TEM image of Pt/Fe₂O₃ sample after treatment in 10% H₂O/air at 400 °C.