

Supporting information

Monodisperse, ultrathin NiPt hollow nanospheres with tunable diameter and composition by a green chemical synthesis

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Supplementary Figures

Figure S1: TEM pictures of the synthesized hollow spheres with the diameters ~ 100 , 65, 35 and 13 nm. The scale bars are 10 nm for (d) and 20 nm for (a), (b) and (c).

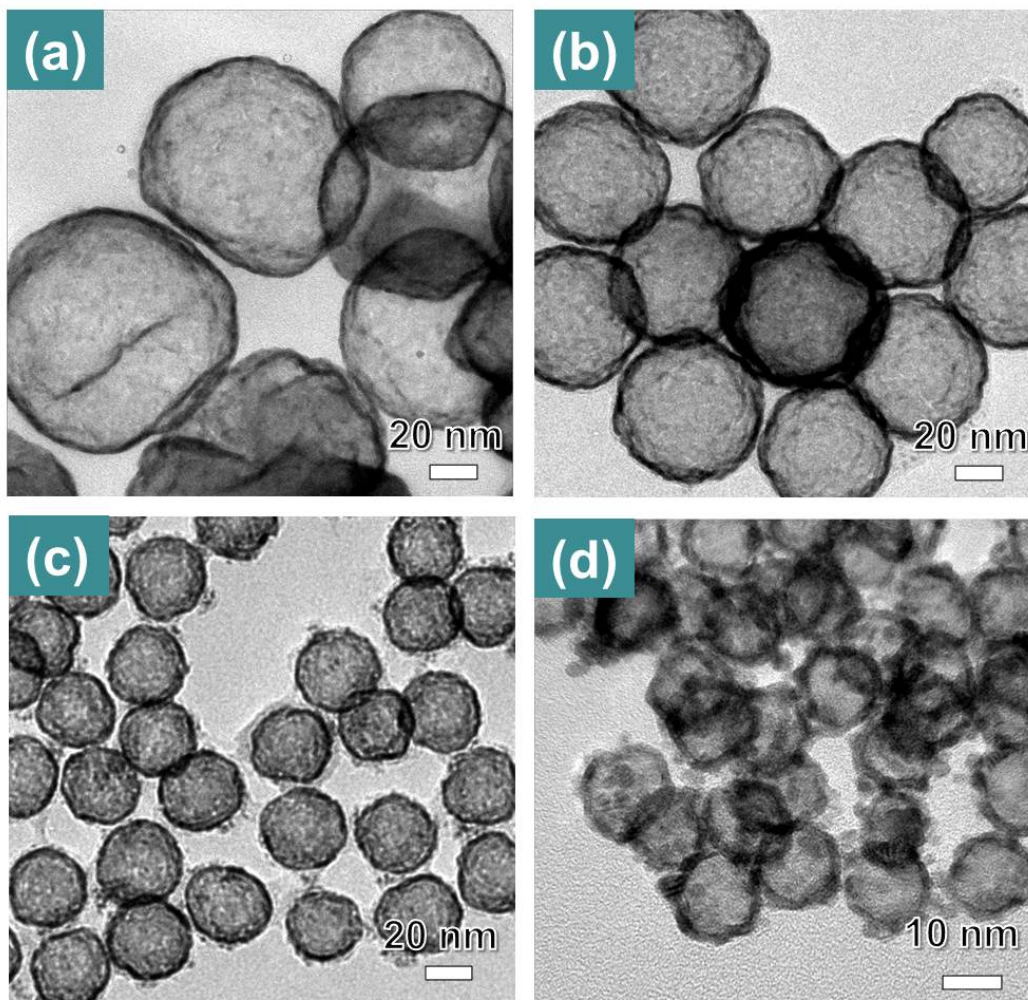


Figure S2: SEM images for the sacrificial template of Ni-B nano-compounds. The size decreases with the increasing reaction time. The scale bars are all of 100 nm.

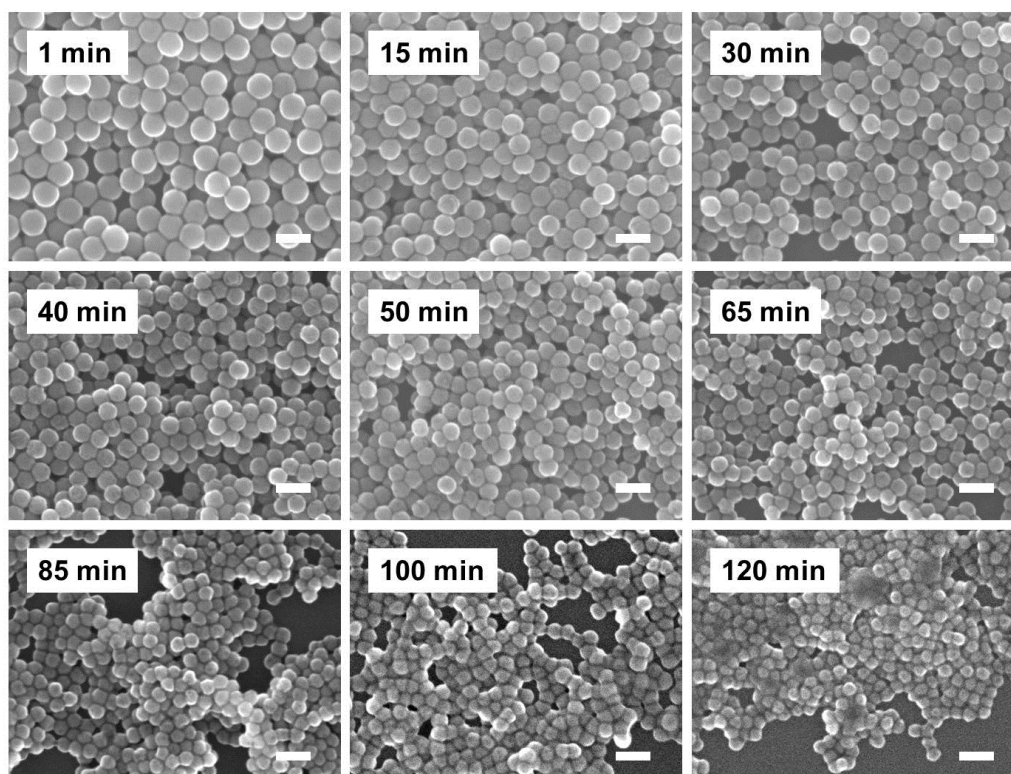


Figure S3: Cyclic voltammograms for 35 nm NiPt hollow sphere, NiPt hollow sphere coated by PVP (Ref.[33]) and Pt/C in N₂-saturated 0.5 M H₂SO₄ at a scan rate of 50 mV s⁻¹.

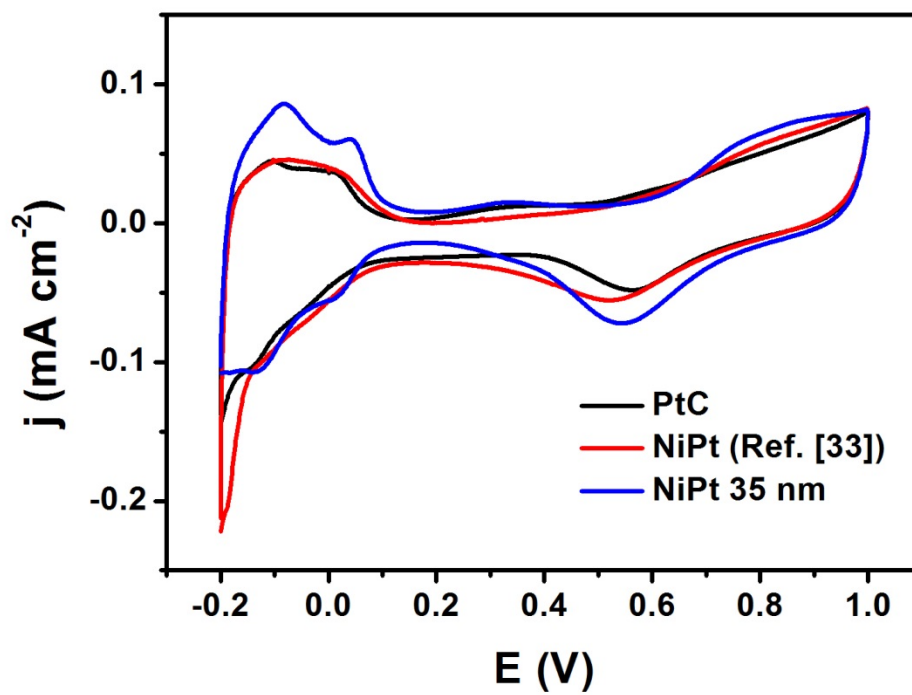


Figure S4: TEM picture shows the white speckles in the synthesized 35 nm hollow NiPt nanosphere. It illuminates the porosity of the surface for the hollow nanospheres.

