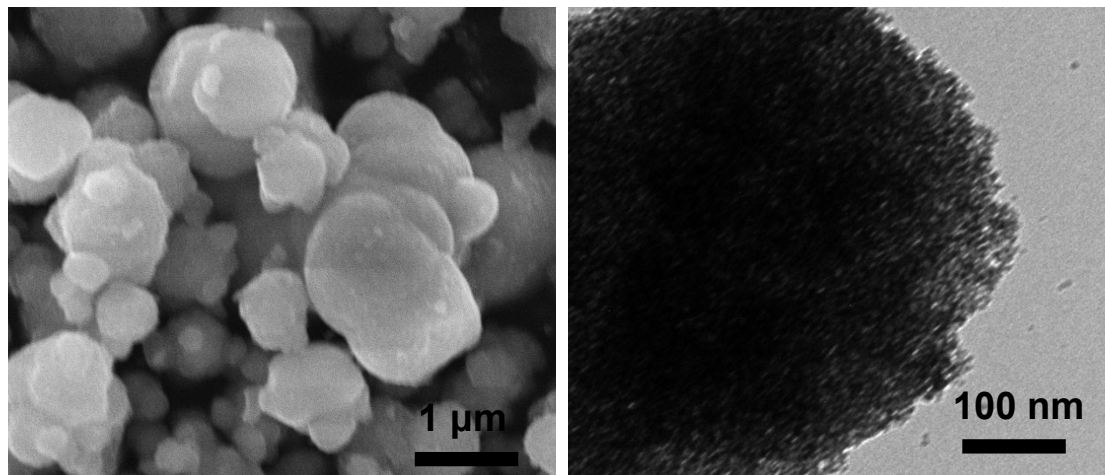


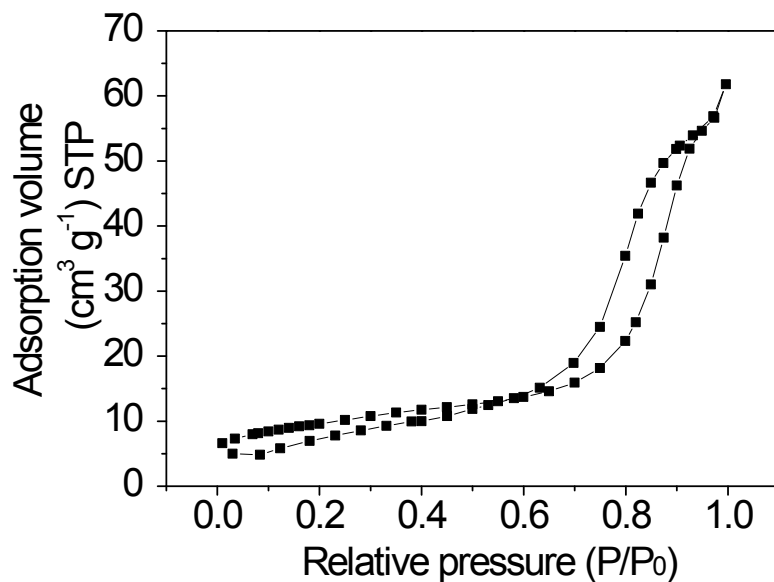
Supplementary Figures

Supplementary Figure S1



(a) SEM of WS- Mn₃O₄ nanoparticles TEM (b) TEM images of WS-Mn₃O₄ nanoparticles

Supplementary Figure S2



N₂ adsorption–desorption isotherms of synthesized WS-Mn₃O₄