

Figure.S1.SEM images of carbon spheres.

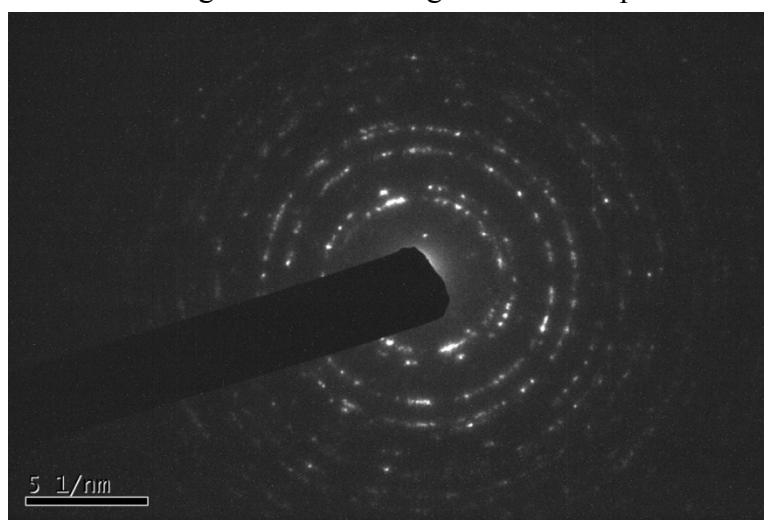


Figure.S2.SEAD patterns of 10%CuO_x-CeO₂ composite hollow spheres

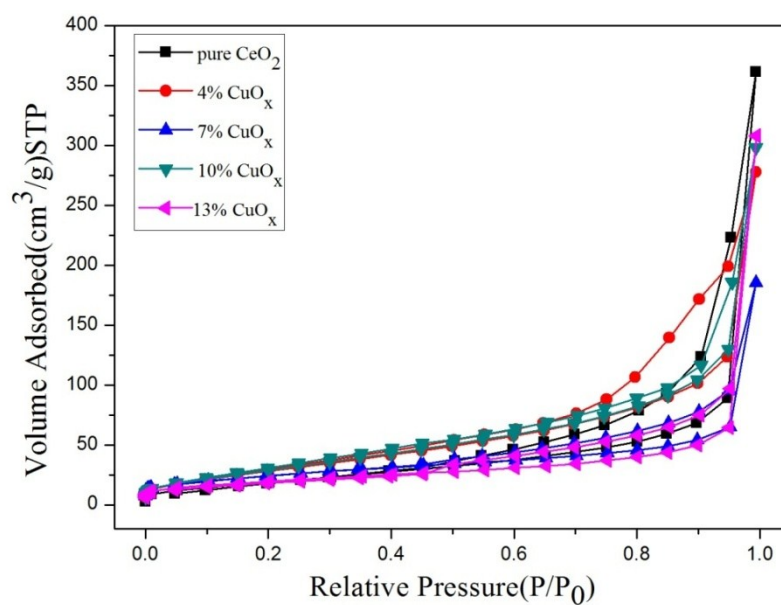


Figure.S3.N₂ adsorption-desorption isotherms of CuO_x-CeO₂ composite hollow sphere