

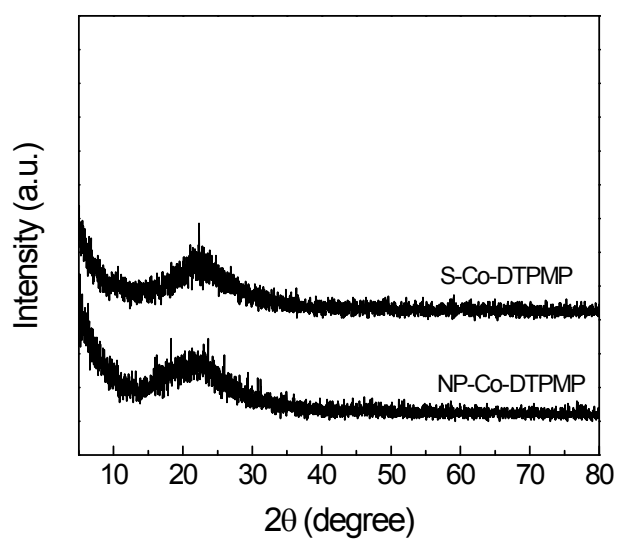
## Supplementary Information

# Hollow cobalt phosphonate spheres as promising alternative Fenton catalyst

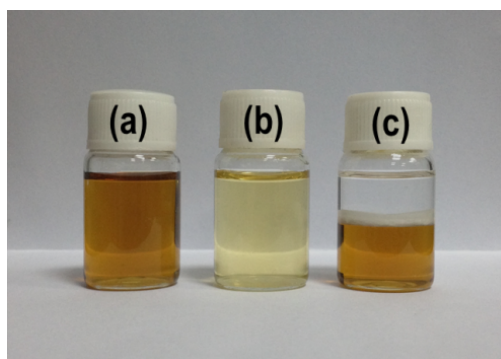
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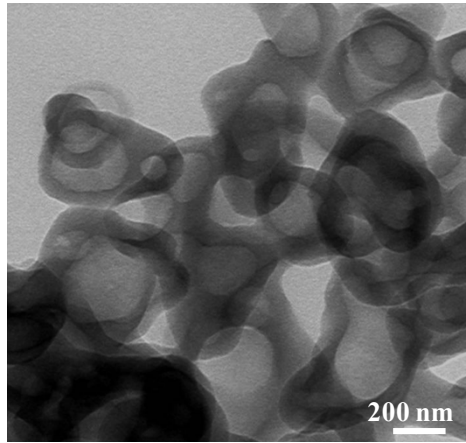
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**Fig. S1** XRD pattern of the synthesized cobalt phosphonate hybrid materials.



**Fig. S2** Digital photographs of DTPMP (a) and the corresponding 25 wt% aqueous solution (b), (c) shows the obvious stratification phenomenon after mixing DTPMP with ethanol.



**Fig. S3** TEM image of the S-Co-DTPMP sample after three times cycling test.