## **Support Information**

## **Different Magnifications of TEM Image**

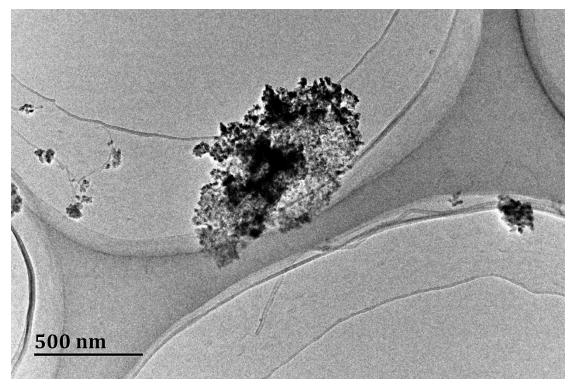


Figure 1 The TEM image of Co<sub>9</sub>S<sub>8</sub>/RGO

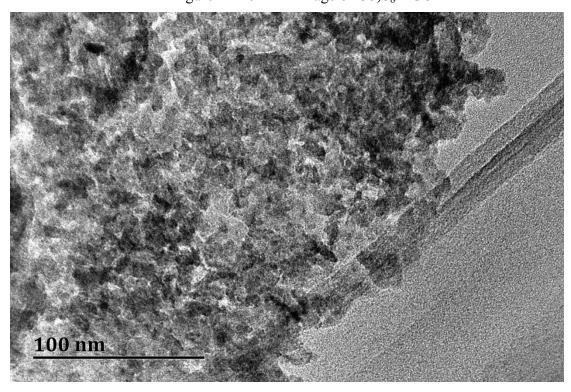


Figure 2 The TEM image of Co<sub>9</sub>S<sub>8</sub>/RGO

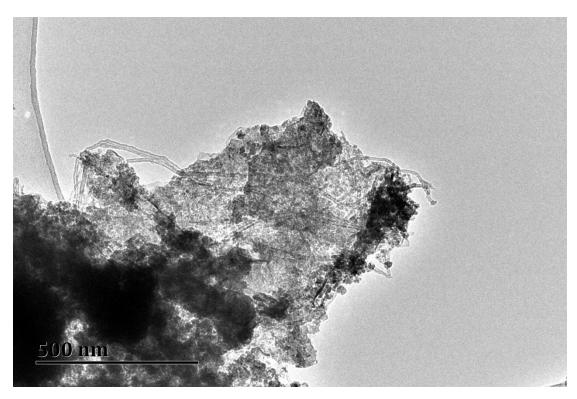


Figure 3 The TEM image of  $\text{Co}_9\text{S}_8/\text{RGO-CNT}$ 

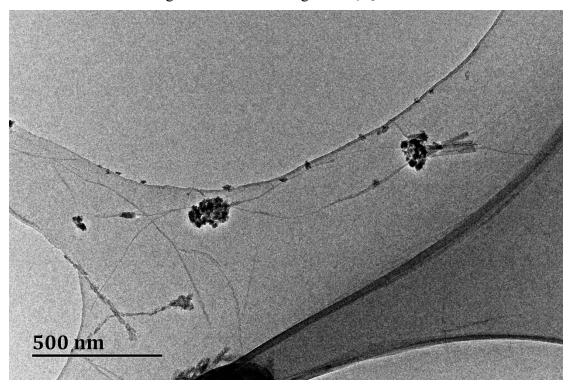


Figure 4 The TEM image of  $Co_9S_8/RGO\text{-}CNT$