## **Supplementary Information**

Facile Synthesis of Three-Dimensional  $Mn_3O_4$  Hierarchical Microstructures and Their Application in the Degradation of Methylene Blue

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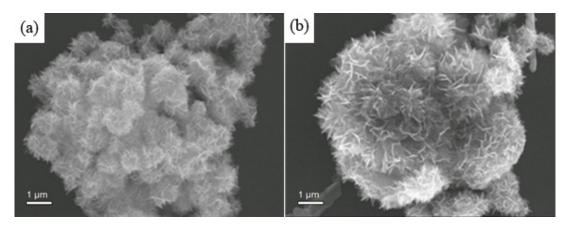


Fig. S1 SEM images of the prepared 3D flower-like  $\rm Mn_3O_4$  nanostructures before and after calcination at 400 °C for 4 h

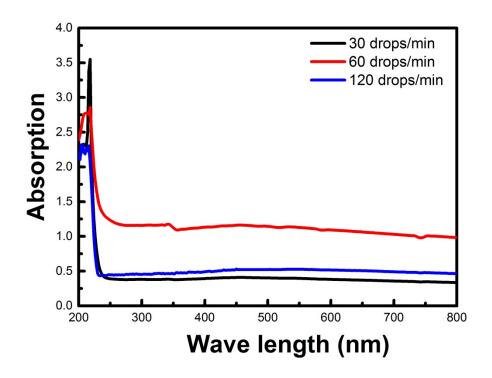


Fig. S2 The UV-Vis spectra of as-prepared  $\mathrm{Mn_3O_4}$  solution with deferent speed of adding NaOH