Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Manganese oxide nanostructures: low-temperature selective synthesis and thermal conversion

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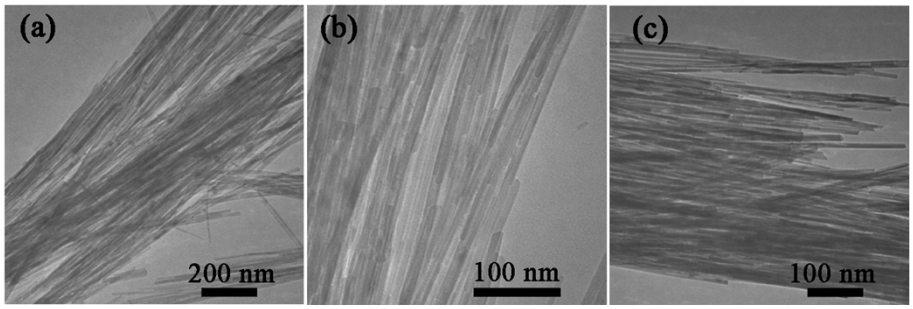

Figure S1. TEM images of the γ-MnOOH prepared at different temperatures: (a) RT, (b) 40 °C, and (c) 80 °C.

Figure S1 shows the TEM images of γ-MnOOH prepared at different temperatures. We can see that the morphologies of γ-MnOOH synthesized at other temperatures (RT, 40 °C, and 80 °C) also have the bundle-like structures.

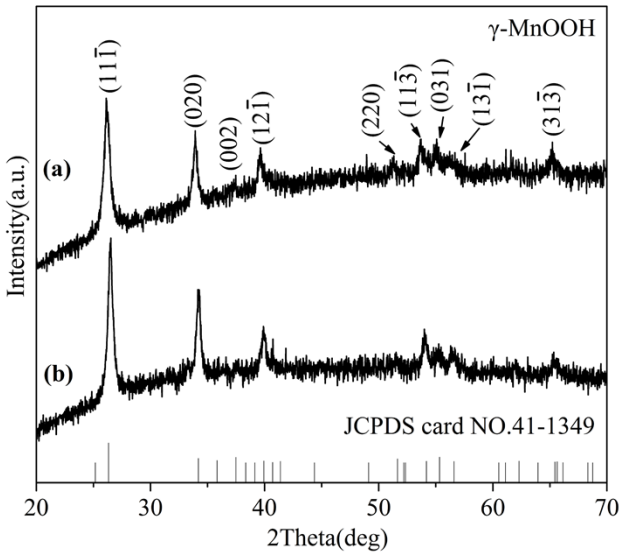

Figure S2. XRD patterns of the products prepared by other caustic alkalis: (a) KOH and (b) $LiOH{\cdot}H_2O$.

Figure S2 shows XRD patterns of the products prepared by other caustic alkalis. Form the XRD patterns, the γ-MnOOH are also obtained when comparative experiments are performed by substituting NaOH with the same mass of KOH and $LiOH{\cdot}H_2O$.

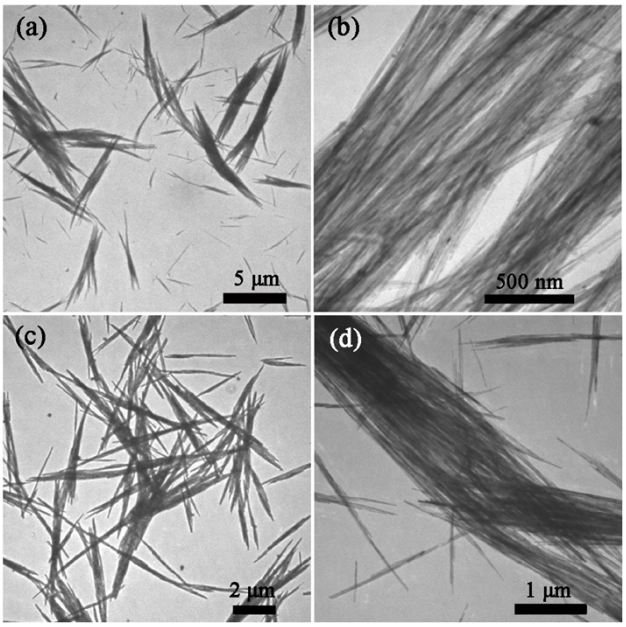

Figure S3. TEM images of the products prepared by other caustic alkalis: (a, b) KOH

and (c, d) $LiOH{\cdot}H_2O$.

Figure S3 shows the TEM images of the products prepared by other caustic alkalis. Bundle-like γ-MnOOH structures are also obtained when comparative experiments are performed by substituting NaOH with the same mass of KOH and $LiOH{\cdot}H_2O$.