

Supplementary information

Pancake-like $\text{Fe}_2(\text{MoO}_4)_3$ microstructures: microwave-assisted hydrothermal synthesis, magnetic and photocatalytic properties

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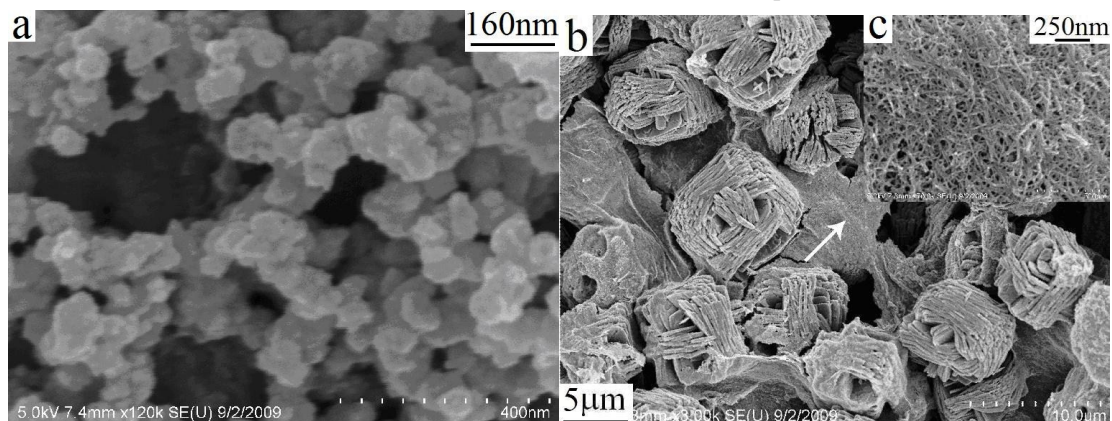


Fig. S1 SEM images of the products at different reaction temperatures: (a) 120 °C, (b) 180 °C and (c) the region indicated by the arrow in (b).

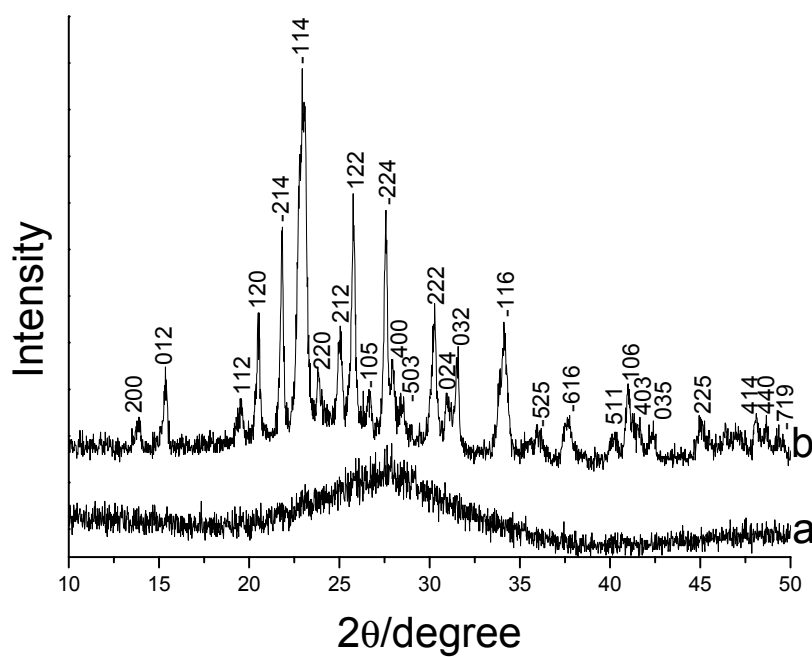


Fig. S2 XRD patterns of the products at different reaction temperatures: (a) 120 °C and (b) 180 °C.

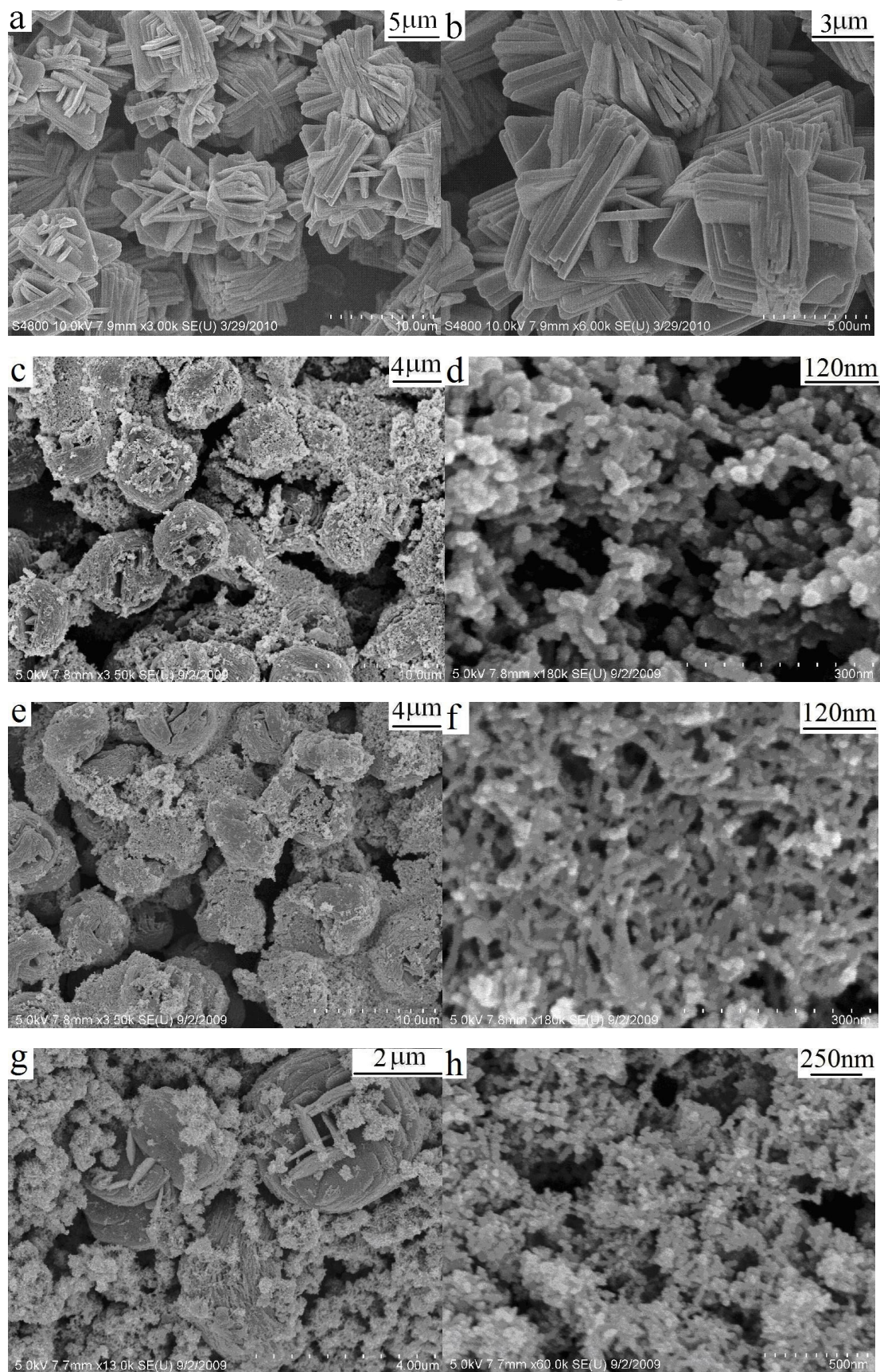


Fig. S3. SEM images of the products with different volume of dilute nitric acid: (a and b) 0 mL, (c

and d) 0.5 mL, (e and f) 1.5 mL and (g and h) 2 mL, keeping total volume constant.

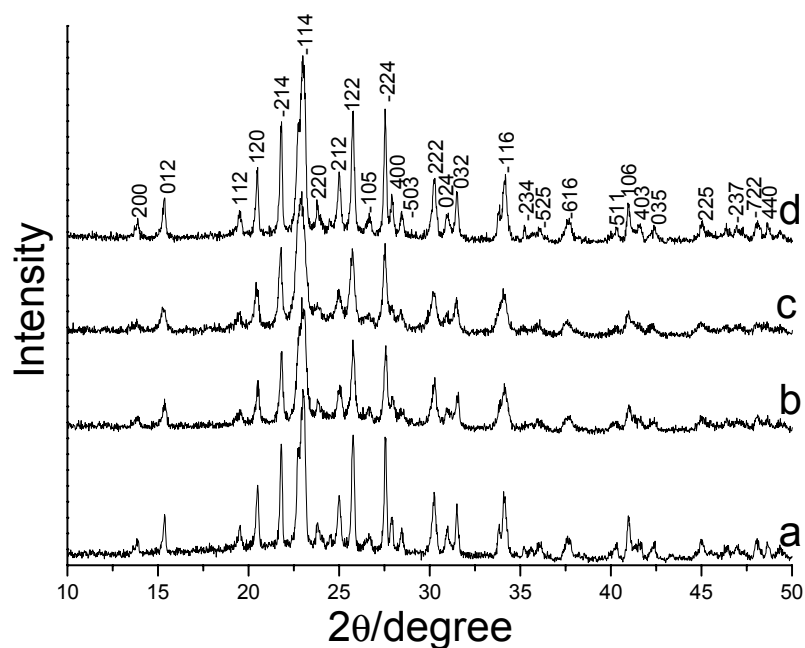


Fig. S4. XRD patterns of the products with different volume of dilute nitric acid: (a) 0 mL, (b) 0.5 mL, (c) 1.5 mL and (d) 2 mL, keeping total volume constant.

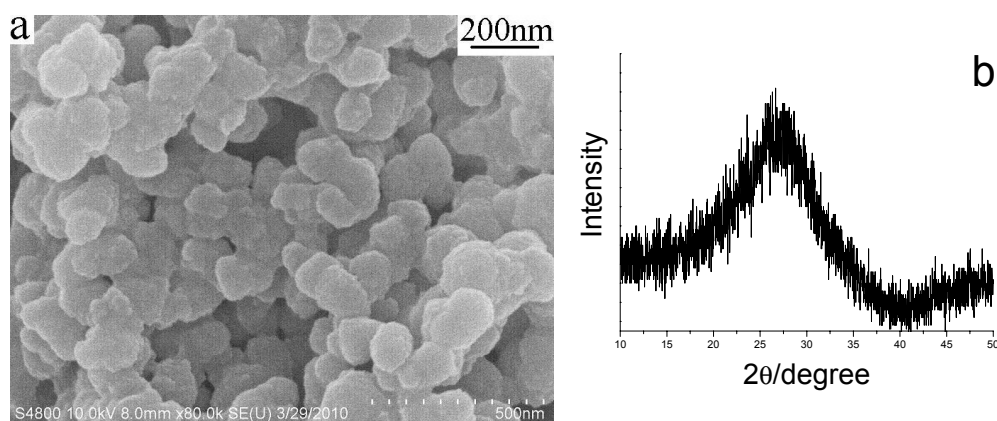


Fig. S5. SEM image (a) and XRD pattern (b) of the product obtained before microwave treatment.

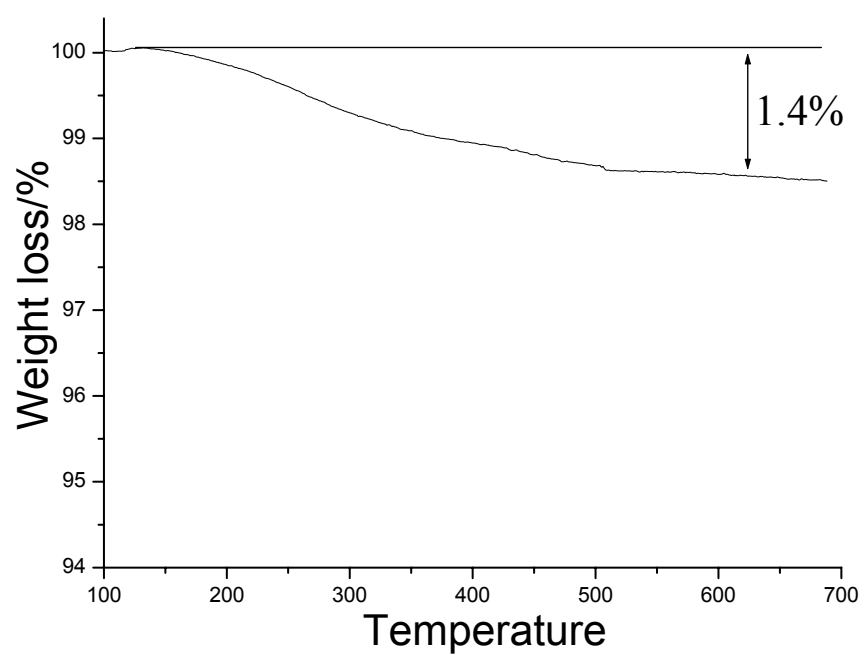


Fig. S6 The TG curve of pancake-like $\text{Fe}_2(\text{MoO}_4)_3$ microstructures.