

Supporting Information

Hierarchically mesoporous silica single-crystalline nanorods with three dimensional cubic *Fm-3m* mesostructure

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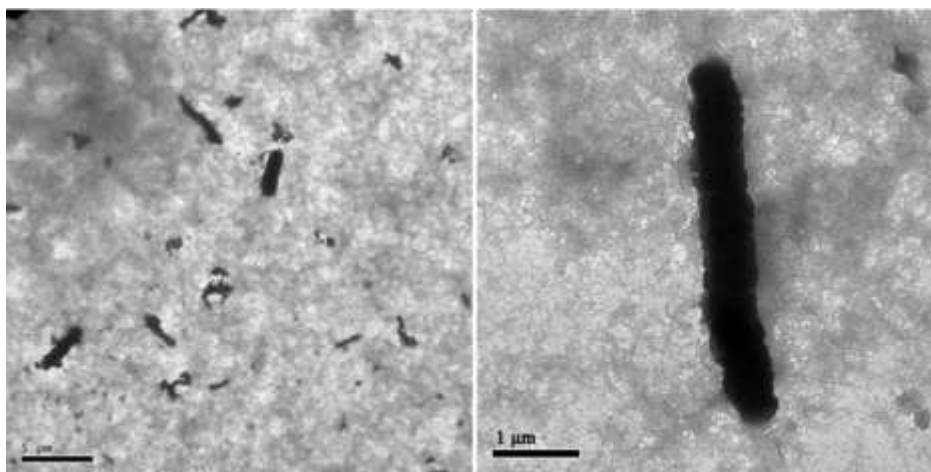


Figure S1. TEM images of CTA/PAA/P123 organic complex.

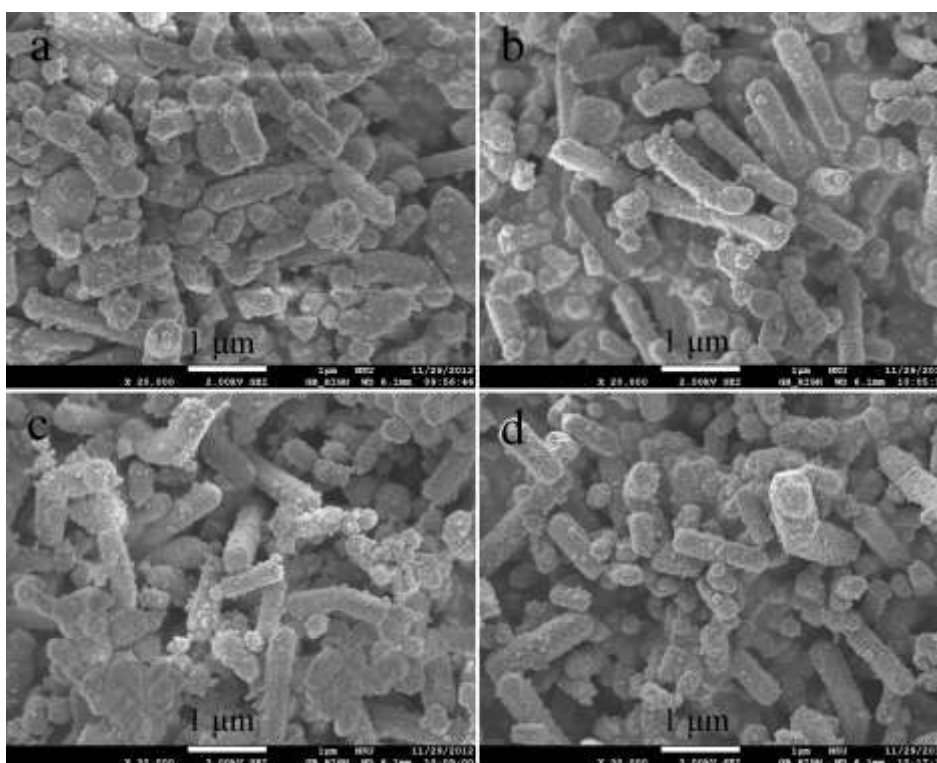


Figure S2. SEM images of the calcined samples synthesized at different temperatures:

(a) R.T.(~25 °C), (b) 60 °C, (c) 100 °C, (d) 120 °C.



Figure S3. SEM images of the calcined samples prepared at 80 °C for (a) 0 h, (b) 6 h and (c) 24 h reaction time, respectively. 0 h means the sample was obtained after stirring 15 min of the reactant mixture at room temperature but without heating treatment in the 80 °C oven.

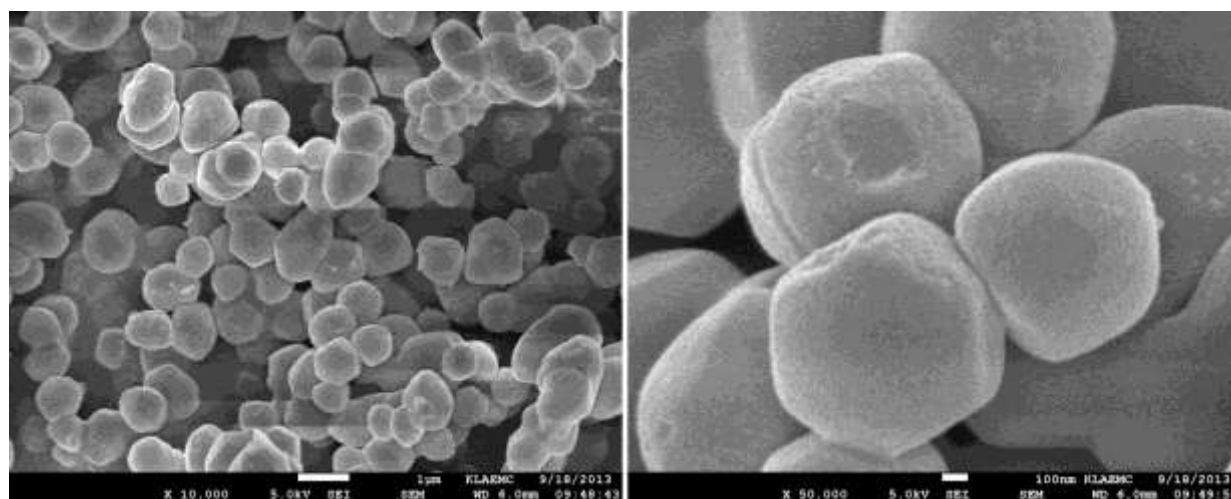


Figure S4. SEM images of the calcined MCM-41.

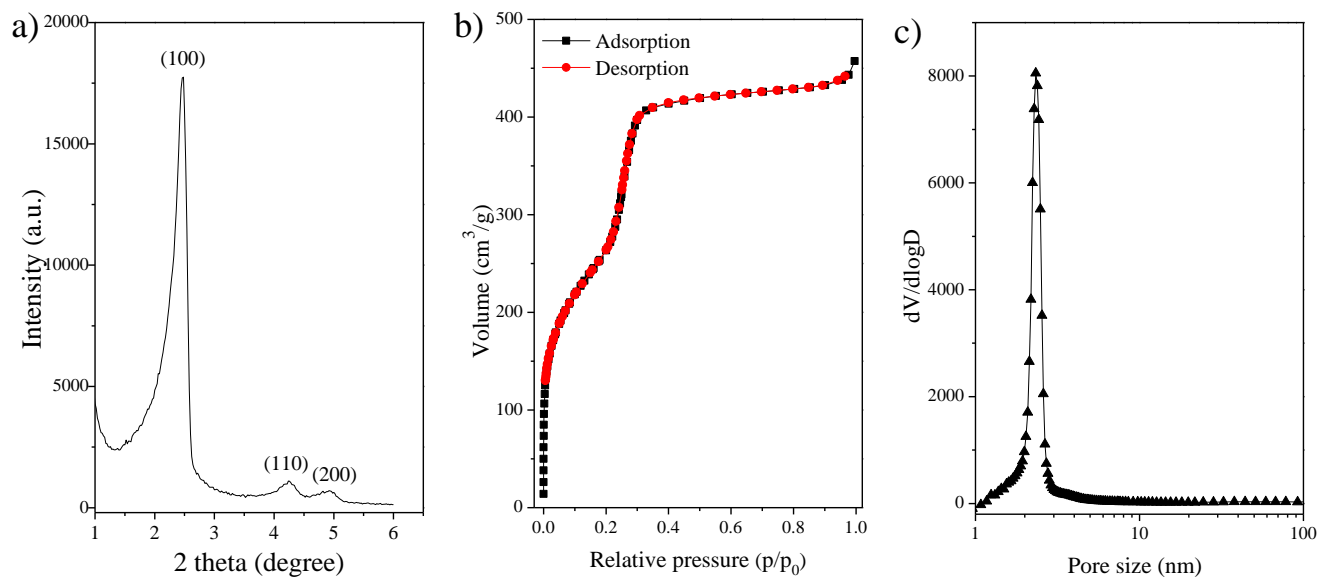


Figure S5. (a) XRD pattern, (b) Nitrogen adsorption-desorption isotherms and
(c) PSD curve of the calcined MCM-41.