

ELECTRONIC SUPPORTING INFORMATION

Direct-synthesis method towards copper-containing periodic mesoporous organosilicas: detailed investigation of the copper distribution in the material

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1. TEM images of the copper-free PMO material

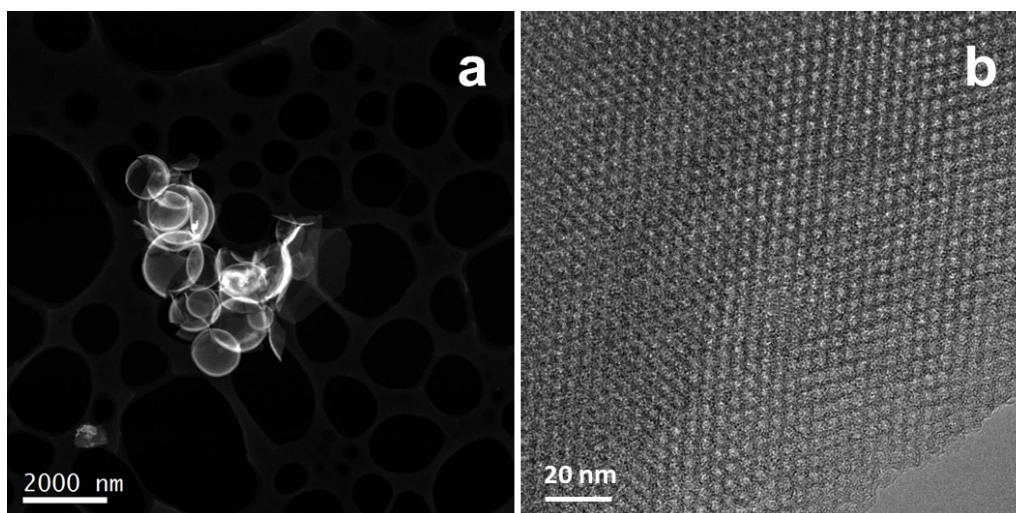


Figure S1. TEM images of solvent-extracted copper-free PMO

2. Different TEM images of the Cu-containing PMO material

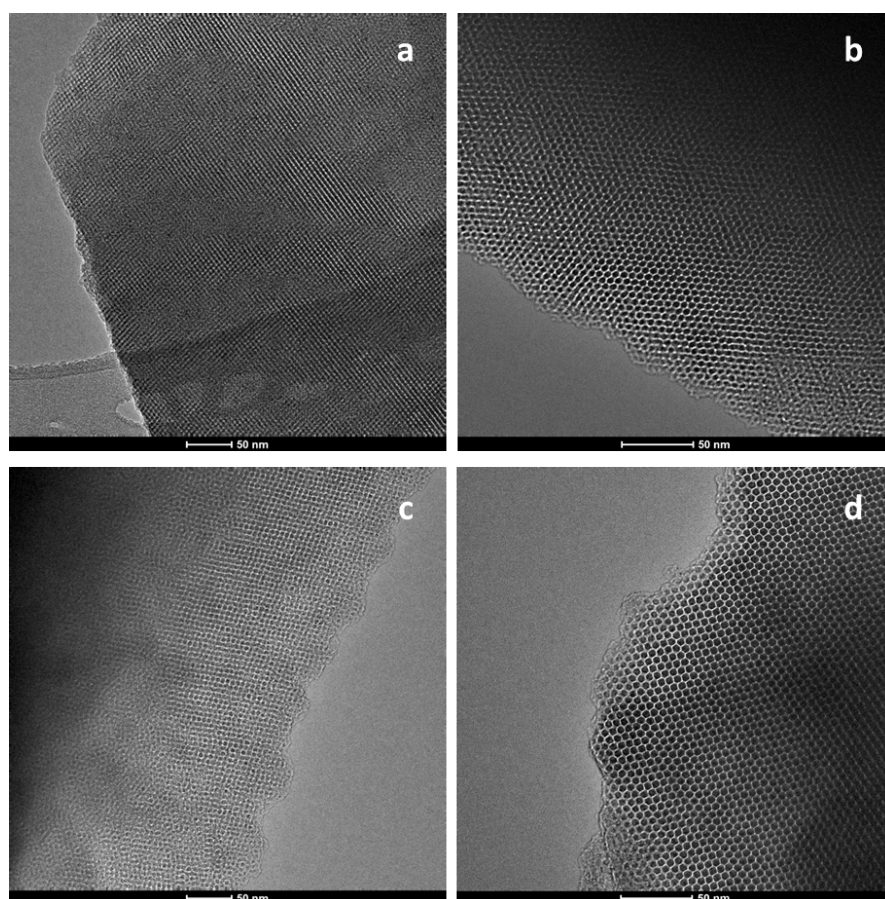


Figure S2. TEM images of (a),(b)0.06Cu-PMO and (c),(d) 0.30Cu-PMO

3. The pore-size distribution curves of the PMO materials.

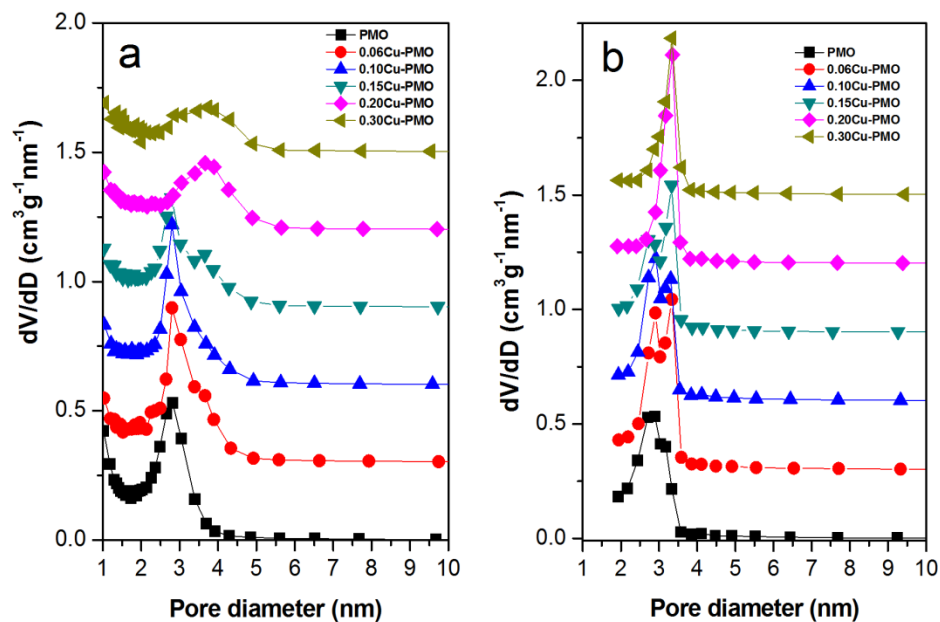


Figure S3. (a) The pore-size distribution curve calculated from the adsorption branch of the N_2 isotherm, (b) The pore-size distribution curve calculated from the desorption branch of the N_2 isotherm.

4. The representative elemental mapping (Si, O, Cu) of the 0.06Cu-PMO

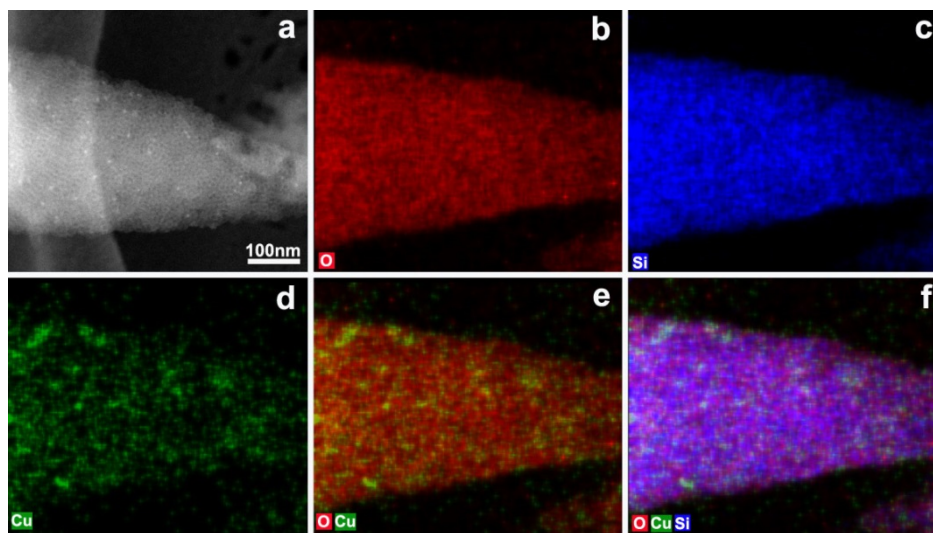


Figure S4. (a) HAADF STEM image of 0.06Cu-PMO, (b-f) elemental mapping of O, Si and Cu with O represented in red, Si in blue and Cu in green.