

Supporting Information

Morphology-controllable synthesis of MnO_2 hollow nanospheres and their supercapacitive performance

Jingping Ma^a, Qilin Cheng^{a,b,*}, Vladimir Pavlinek^b, Petr Saha^b, Chunzhong Li^{a,*}

^a Key Laboratory for Ultrafine Materials of Ministry of Education, School of Materials Science and Engineering, East China University of Science and Technology, 200237, Shanghai, China. Fax: +86 21 6425 0624; Tel: +86 21 6425 0949; E-mail: chengql@ecust.edu.cn; czli@ecust.edu.cn

^b Centre of Polymer Systems, Polymer Centre, Tomas Bata University in Zlin, nam. T. G. Masaryka 5555, 760 01, Zlin, Czech Republic.

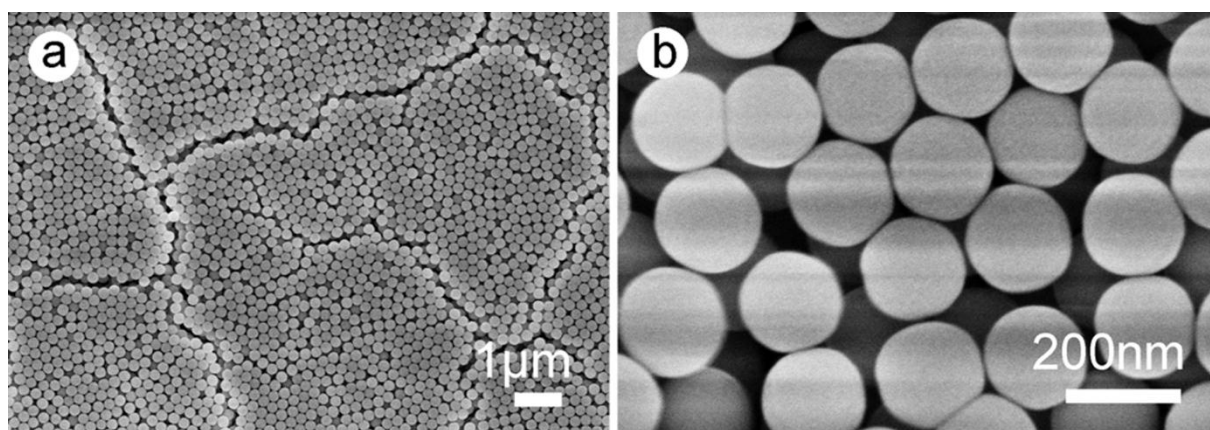


Fig. S1 (a, b) SEM images of silica spheres using as hard template

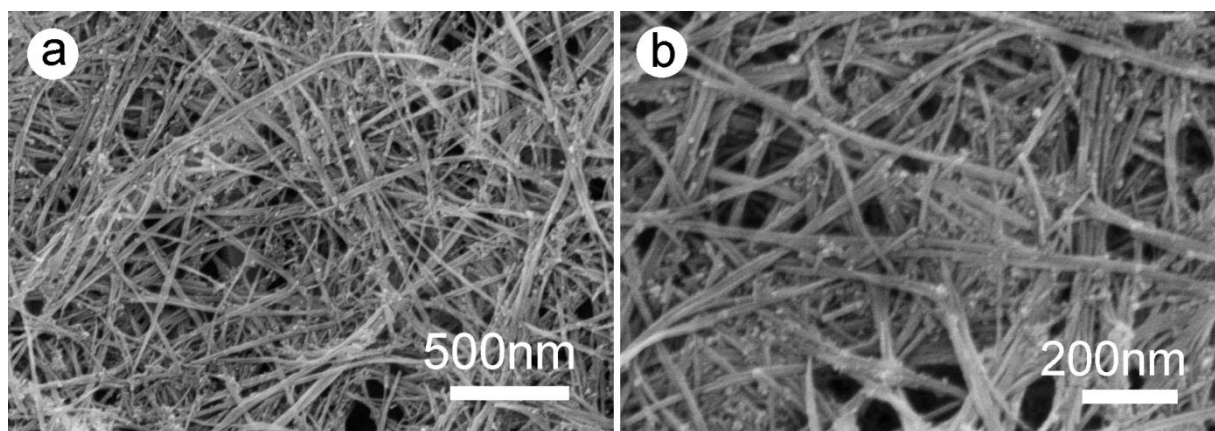


Fig. S2 (a, b) SEM images of MnO_2 nanofibers

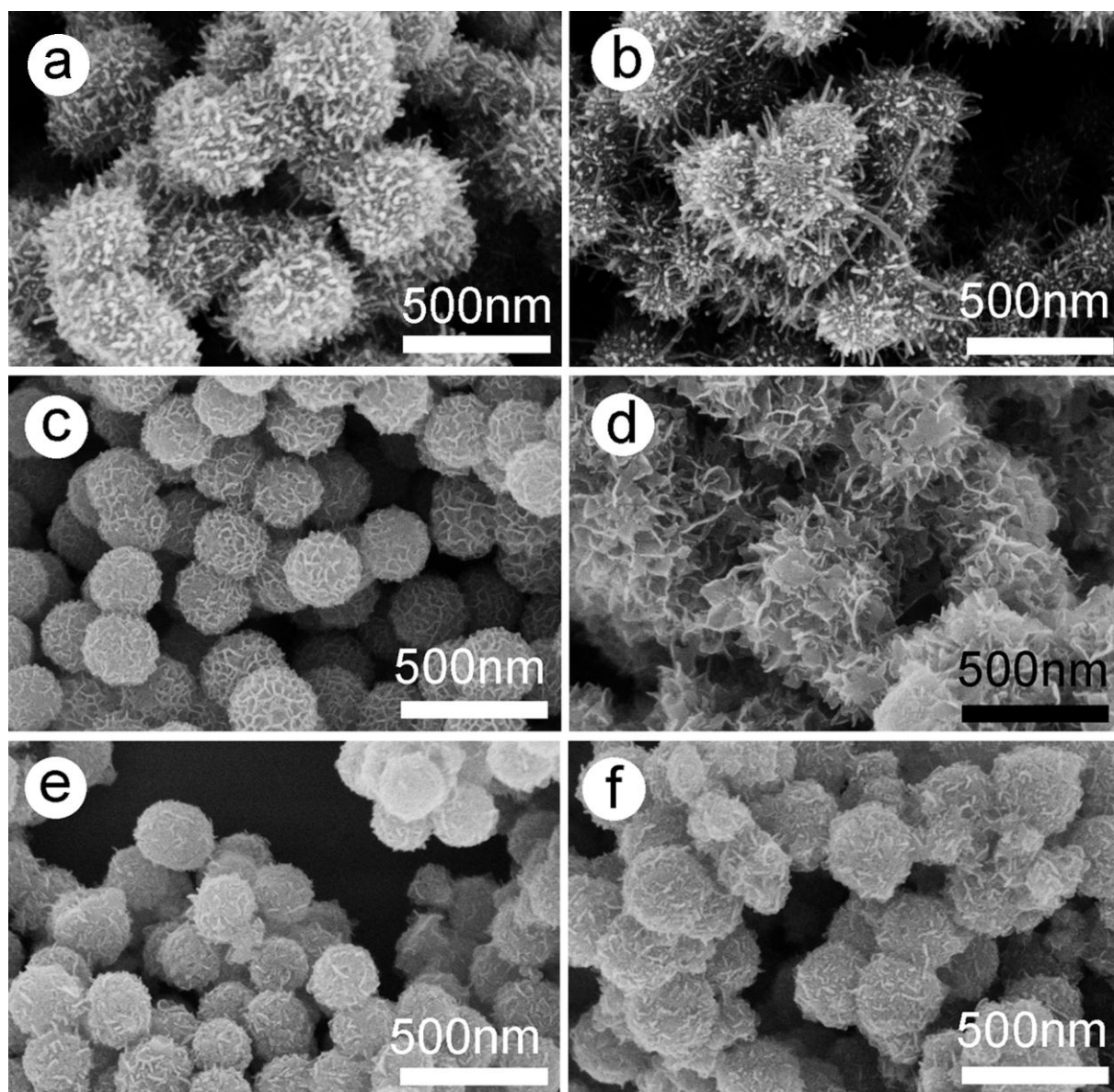


Fig. S3 SEM images of urchin-like MnO_2 prepared as the mass ratio of KMnO_4 to SiO_2 is (a) 0.5, (b) 1.5; SEM images of flower-like MnO_2 prepared as the mass ratio of KMnO_4 to SiO_2 is (c) 0.5, (d) 1.5; SEM images of non-hierarchical MnO_2 prepared as the mass ratio of KMnO_4 to SiO_2 is (e) 0.5, (f) 1.5.