Supplementary material (ESI) for Journal of Materials Chemistry

Supplementary Information

A versatile fabrication of aligned SnO_2 nanotube arrays by using various ZnO arrays as sacrificial templates

Qin Kuang, Tao Xu, Zhao-Xiong Xie,* Shui-Chao Lin, Rong-Bin Huang, Lan-Sun Zheng

State Key Laboratory for Physical Chemistry of Solid Surfaces, Department of Chemistry, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, 361005 (China)

E-mail: zxxie@xmu.edu.cn

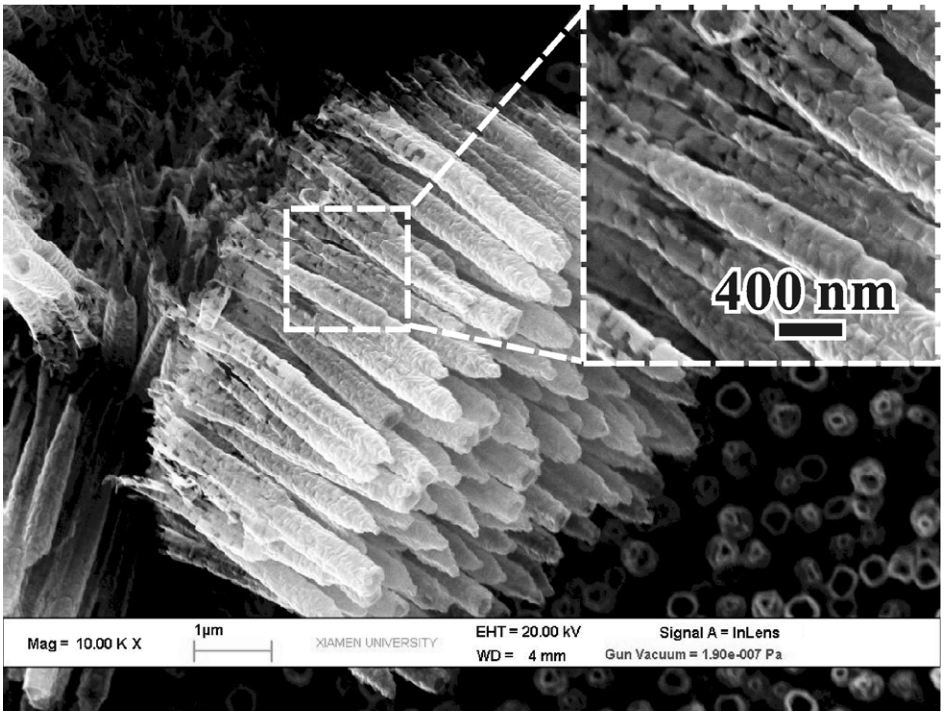

Fig. S1. Side-view SEM image of as-synthesized SnO_2 nanotubes array by templating rod-like ZnO array. The inset is corresponding partial enlarged image, showing that the walls of the root portion of the nanotubes are composed of numerous tiny particles but the walls of the upper portion is a continuous film with a rough surface.

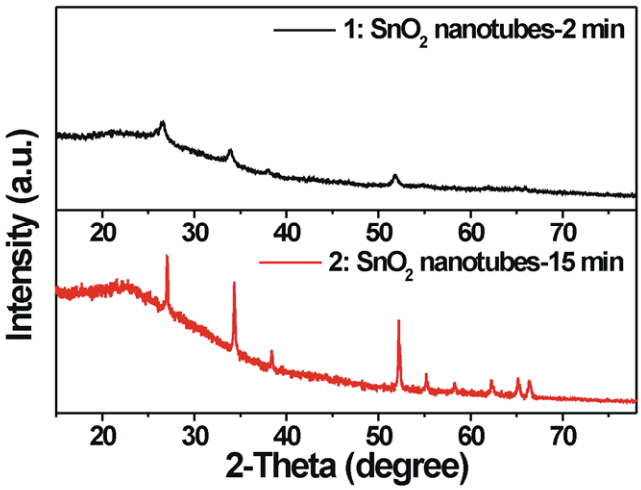

Fig. S2. XRD patterns of SnO_2 nanotubes obtained from rod-like ZnO arrays after different deposition time: (the curve 1) 2 min, and (the curve 2) 15 min.