Electronic Supplementary Material for

TiO$_2$ nanotrees for the photocatalytic and photoelectrocatalytic phenol degradation

Juan Xie $^a$, Wei Wen $^b$, Qi Jin $^a$ Xiao-Bo Xiang $^a$ and Jin-Ming Wu$^a$

$^a$ State Key Laboratory of Silicon Materials and School of Materials Science and Engineering, Zhejiang University, Hangzhou, 310037, P. R. China

$^b$ College of Mechanical and Electrical Engineering, Hainan University, Haikou 570228, P. R. China.

Fig. S1 The linear scanning voltage curves (a, c) and transient current response curves under a bias potential of 0.6 V vs. SCE (b, d) recorded for TiO$_2$ nanotrees with nanobelt (a, b) and nanowire (c, d) trunks, under UV light illumination.
Fig. S2 FESEM images of the TiO$_2$ nanowire array (a, b) and the corresponding nanotrees achieved by immersing in the precursor solution at 60 °C for 50 min (c, d). Scale bar: 1 μm.