Supporting Information

Selective Growth of TiO$_2$ Beads on Ag Nanowires and Their Photocatalytic Performance

Changchao Jia,$^a$ Hsueh-Shih Chen$^b$ and Ping Yang*$^a$

$^a$School of Material Science and Engineering, University of Jinan, Jinan, 250022, P.R. China.
Fax: +86 531 87974453; Tel: +86 531 89736225
E-mail: mse_yangp@ujn.edu.cn

$^b$Department of Materials Science and Engineering, National Tsing Hua University, Hsinchu 300, Taiwan.

Figure S1. SEM image of Ag NW@TiO$_2$ heterostructures (sample 4) prepared with 0.15 mL amount of TBT.

Figure S2. SEM images (a-b) of Ag NW@TiO$_2$ sample (sample 7) prepared in the absence of TGA.
Figure S3. Photocatalytic degradation profile of MO under visible-light irradiation. (0 min indicates suspension stirred for 30 min in the dark before irradiation)