

Supporting Information

An External Template-Free Route to Uniform Semiconducting

Hollow Mesospheres and Their Use in Photocatalysis

Di Yang,^{*a,b} Mengye Wang,^{b,c} Bin Zou,^a Gu Ling Zhang,^a and Zhiqun Lin^{*b}

a. College of Science, Minzu University of China, Beijing 100081, China. Email:

diyang@muc.edu.cn

b. School of Materials Science and Engineering, Georgia Institute of Technology, Atlanta,

Georgia 30332, United States. Email: zhiqun.lin@mse.gatech.edu

c. State Key Laboratory of Physical Chemistry of Solid Surfaces, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen 361005, China.

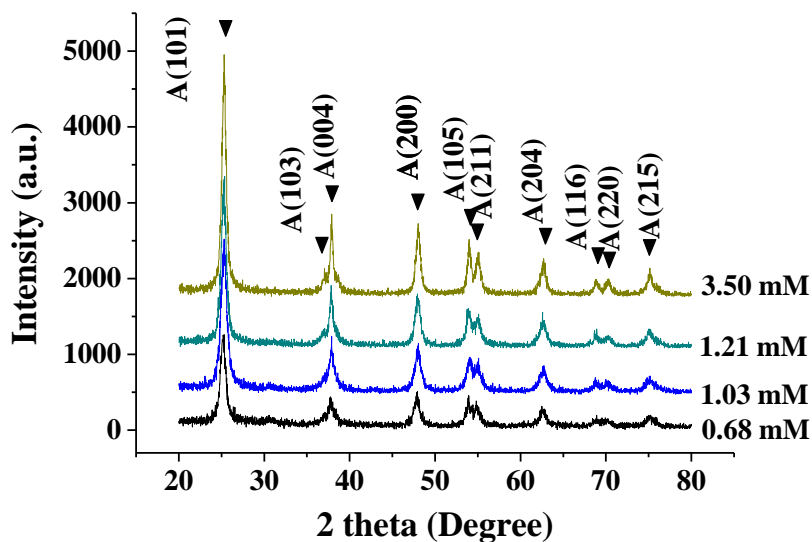


Figure S1. XRD pattern of hollow TiO₂ mesospheres prepared by varying the molar concentration of the precursor Ti(OBu)₄ in acetone. The hydrothermal reaction occurred at 180°C for 15 h.