

***In Situ* Synthesis of Bimetallic Ag/Pt Loaded Single-crystalline Anatase TiO₂ Hollow
Nano-hemispheres and Their Improved Photocatalytic Properties**

Zhifeng Jiang, Jianjun Zhu, Dong Liu, Wei Wei, Jimin Xie* and Min Chen

School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang, 212013, P. R.
China

Author e-mail address: ntjiangzf@sina.com

***Corresponding author:** Jimin Xie

Tel.: +86 11 88791708; fax: +86 11 88791800;

E-mail address: xiejm391@sohu.com

Supporting Information

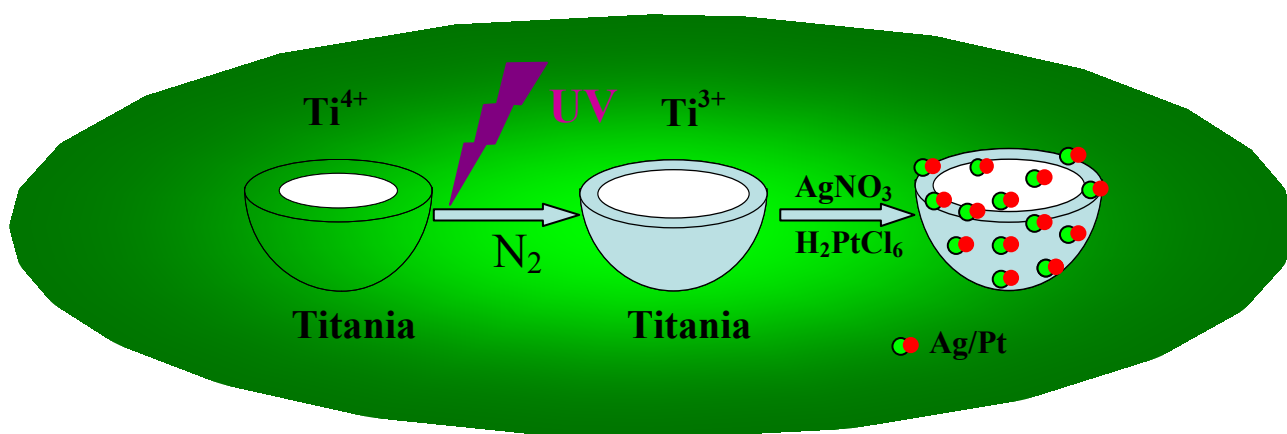


Figure S1. Schematic presentation for synthesis of Ag/Pt@TiO₂ NPs.

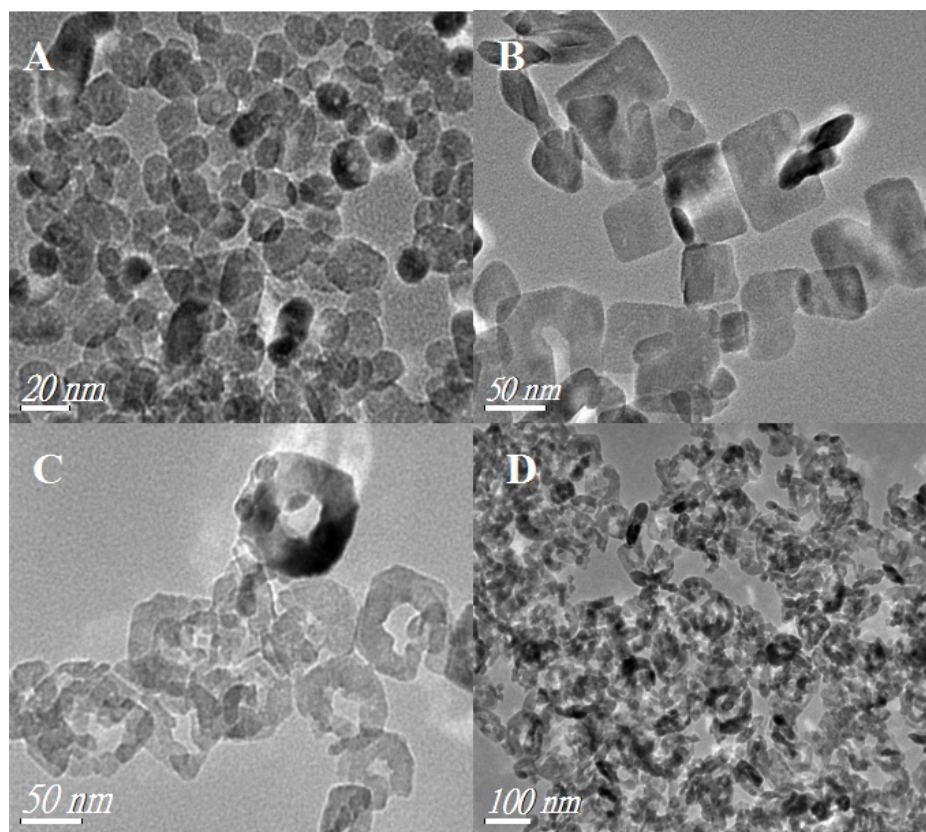


Figure S2. TEM images of anatase TiO₂ samples synthesized with different concentration of HF: A, 0 mM; B, 1 mM; C, 5 mM and D, 6 mM.