**In Situ** Synthesis of Bimetallic Ag/Pt Loaded Single-crystalline Anatase TiO$_2$ Hollow Nano-hemispheres and Their Improved Photocatalytic Properties

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**Supporting Information**

![Diagram](image)

**Figure S1.** Schematic presentation for synthesis of Ag/Pt@TiO$_2$ NPs.
Figure S2. TEM images of anatase TiO_2 samples synthesized with different concentration of HF: A, 0 mM; B, 1 mM; C, 5 mM and D, 6 mM.