

One-Pot Synthesis of BiSbO₄ Nanophotocatalyst with Enhanced Visible-Light Performance

Jianjun Wu,^{a, b} Fuqiang Huang,^{*a, b} Xujie Lü^{a, b} and Ping Chen^{a, b}

^a State Key Laboratory of High Performance Ceramics and Superfine Microstructures, Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai 200050, P. R. China. Tel/Fax: +86 21 5241 6360, E-mail: huangfq@mail.sic.ac.cn

^b College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, P.R. China.

1. XRD characterization on HT-BiSbO₄

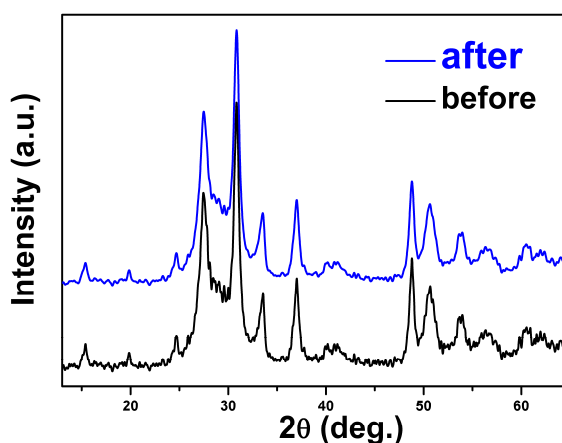


Figure S1 XRD pattern for HT-BiSbO₄ before and after the photocatalysis test.

2. Related characterization on commercial Bi₂O₃

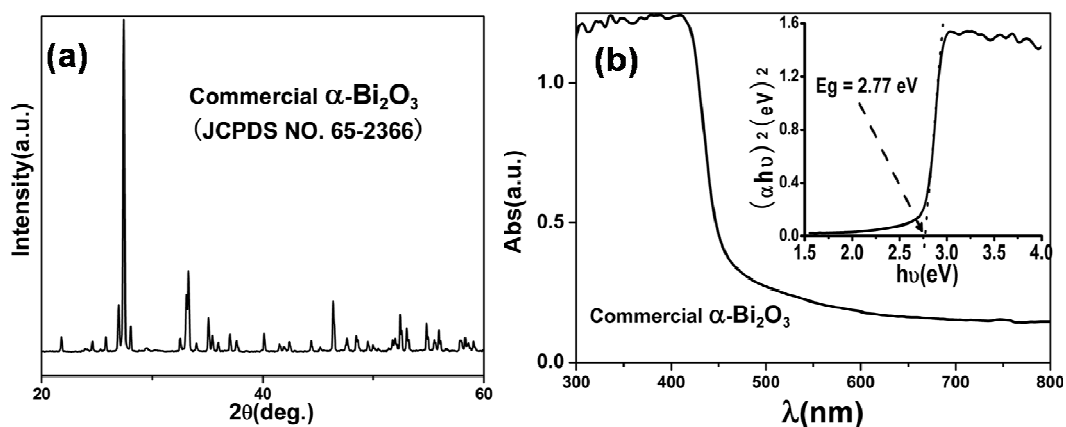


Figure S2 (a) XRD pattern and (b) UV-Vis spectrum for commercial Bi₂O₃.

3. The surface adsorption data of the photocatalysts

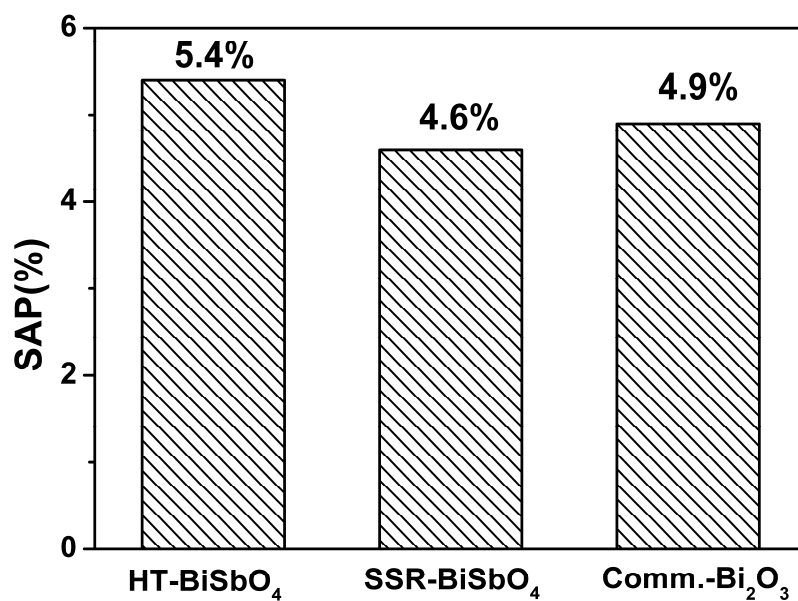


Figure S3 $SAP = (C_0 - C)/C_0 * 100\%$, where C_0 is the initial MO concentration and C is the concentration after 10 h adsorption.