Shape-Dependent Photocatalytic Activity of Bi₅O₇I Caused by Facets Synergetic and Internal Electric Field Effects

Yurong Su,^a Hui Wang,^b Liqun Ye,^{a*} Xiaoli Jin,^a Haiquan Xie,^{a*} Chaozheng He^c and Keyan Bao^a

a College of Chemistry and Pharmaceutical Engineering, Nanyang Normal University, Nanyang 473061, People's Republic of China.

b CAS Key Laboratory of Nuclear Radiation and Nuclear Energy Techniques, and Multidisciplinary Initiative Center, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, 100049, China.

c College of Physics and Electronic Engineering, Nanyang Normal University, Nanyang 473061, People's Republic of China.

Corresponding Author

* E-mail: yeliquny@163.com (L. Ye)

xie-hq@163.com (H. Xie)

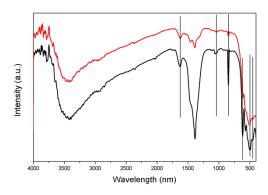


Fig. S1. FTIR of Bi₅O₇I rods and Bi₅O₇I sheets.

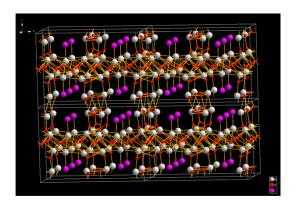


Fig. S2. The structure model illustration of Bi₅O₇I crystals (2×2 lattices).