

Electronic supplementary information

Enhanced photocatalytic activity of $\text{Bi}_{25}\text{FeO}_{40}\text{-Bi}_2\text{WO}_6$ heterostructures based on the rational design of heterojunction interface

Lei Zhang^{a, b}, Yue Zou^a, Jian Song^a, Cheng-Ling Pan^{*a}, Shao-Ding Sheng^{*a} and Chang-Min Hou^c

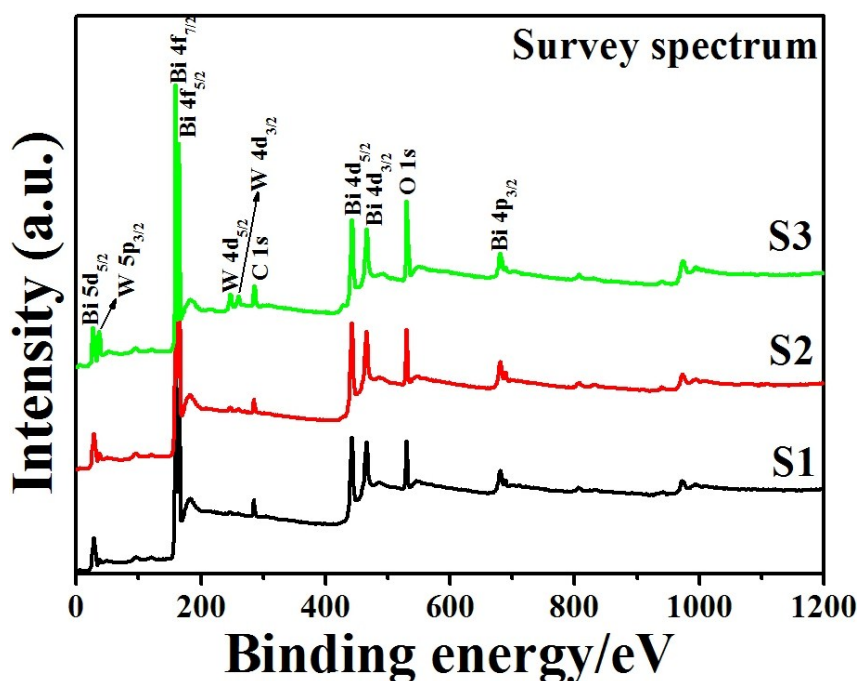


Fig. S1 Survey spectra of various samples (S1, S2 and S3) prepared at 180 °C for 24 h.

^a Laboratory of Multiscale Materials and Molecular Catalysis, School of Materials Science and Engineering, Anhui University of Science and Technology, Huainan, Anhui 232001, P. R. China

E-mail: clpan@aust.edu.cn; shengshao-4210@126.com

^b State Key Laboratory of Coordination Chemistry, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210093, P. R. China

^c State Key Lab of Inorganic Synthesis & Preparative Chemistry, College of Chemistry, Jilin University, Changchun 130012, P. R. China

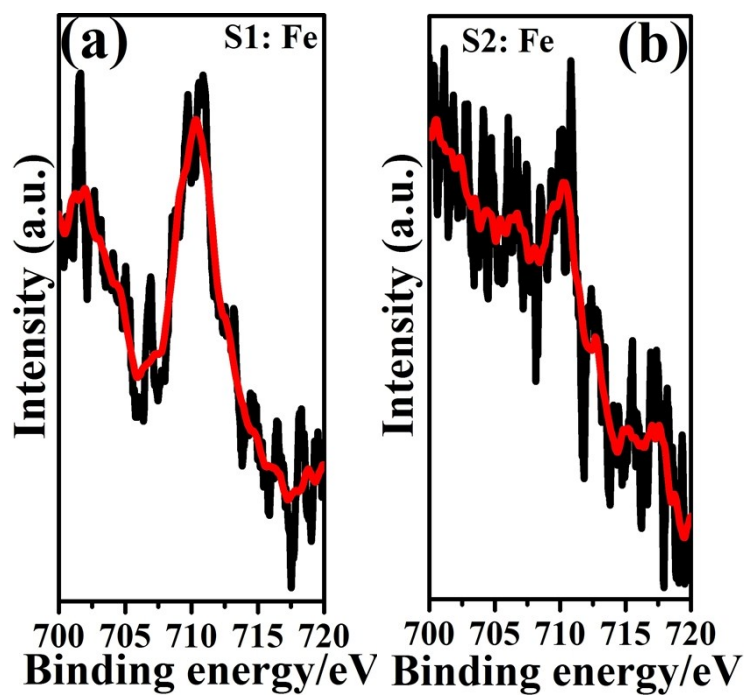


Fig. S2 High resolution Fe 2p spectra of S1 (a) and S2 (b) prepared at 180 °C for 24 h.

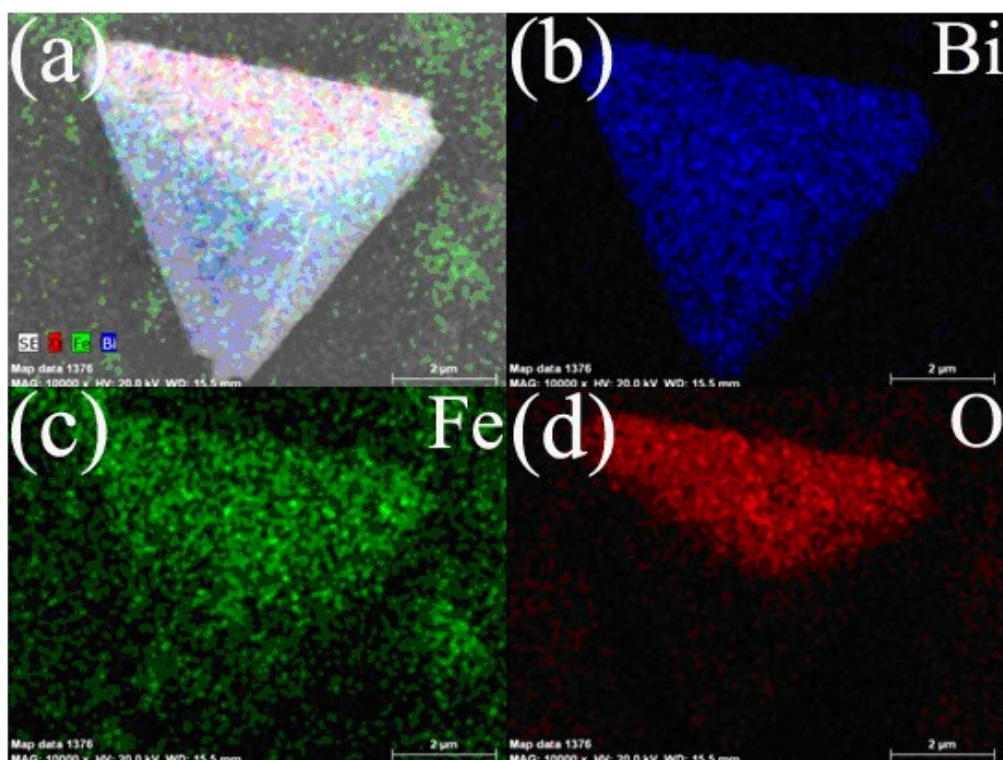


Fig. S3 EDS elemental mapping of S1 prepared at 180 °C for 24 h.

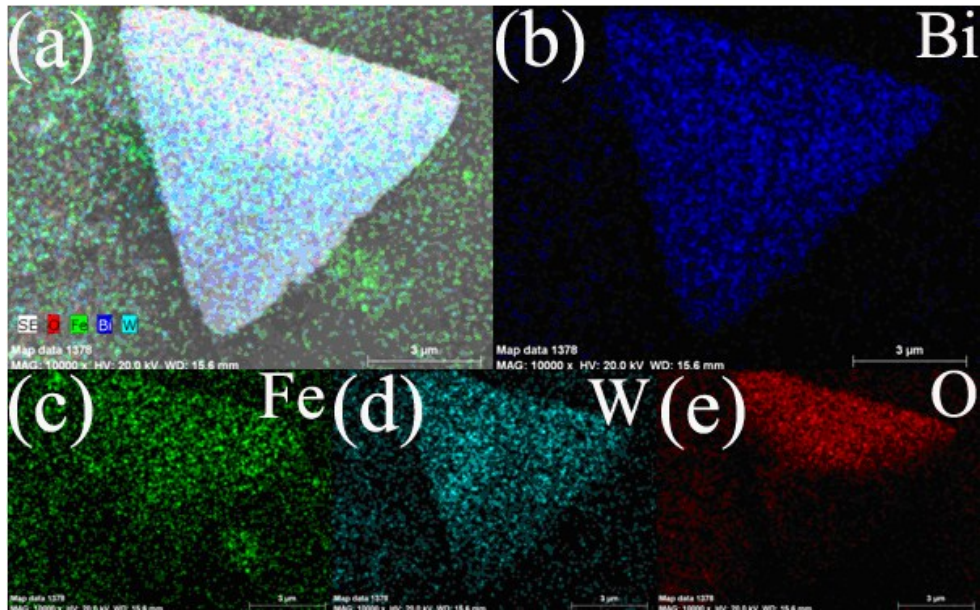


Fig. S4 EDS elemental mapping of S2 prepared at 180 °C for 24 h.

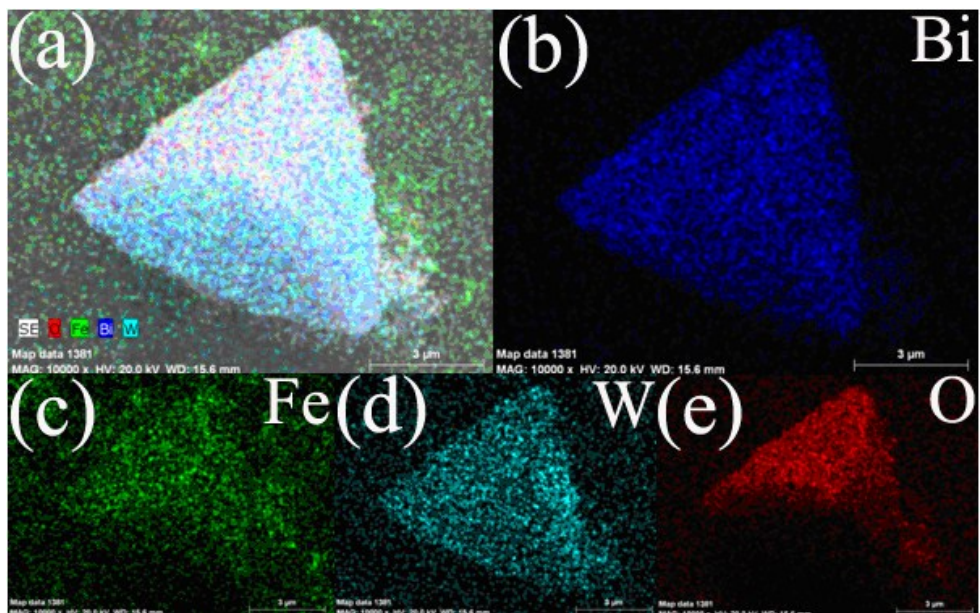


Fig. S5 EDS elemental mapping of S3 prepared at 180 °C for 24 h.