Supporting information

Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched Co$_x$Fe$_y$O$_4$-BiOBr photocatalysts

Ting Zhou,$^a$ Yuanguo Xu,*$^a$ Xiang Wang,$^a$ Shuquan Huang,$^a$ Meng Xie,$^a$ Jiexiang Xia,$^a$ Liying Huang,$^a$ Hui Xu,$^b$ Huaming Li,*$^a,b$

a School of Chemistry and Chemical Engineering, School of Pharmacy, Jiangsu University, Zhenjiang 212013, PR China.
b Institute for Energy Research, Jiangsu University, Zhenjiang 212013, PR China.
*E-mail: xuyg@ujs.edu.cn; lhm@ujs.edu.cn

Figure S1. The EDS spectra of CoFe$_2$O$_4$ (a) and 3% CFB composites with pH=1 (b); pH=3 (c) and pH=7 (d).
Figure S2. Molecular structure of the BPA and its degradation intermediate products by 0.5% CFB (pH=3) under visible light irradiation.

Figure S3. UV-Visible absorption spectra of BPA solution under visible light (λ ≥ 420 nm) irradiation in the presence of BiOBr and 0.5% CFB (pH=1, 3 or 7).

Figure S4. (a) XRD patterns of fresh and cycled 0.5% CFB (pH=3) samples; (b) SEM image of 3% CFB (pH=3) after cycle experiment.