

Fig. S1 The XPS spectra of Bi 4f (A) and C 1s (B), FT- IR spectra (C) for Bi₂O₂CO₃-120.

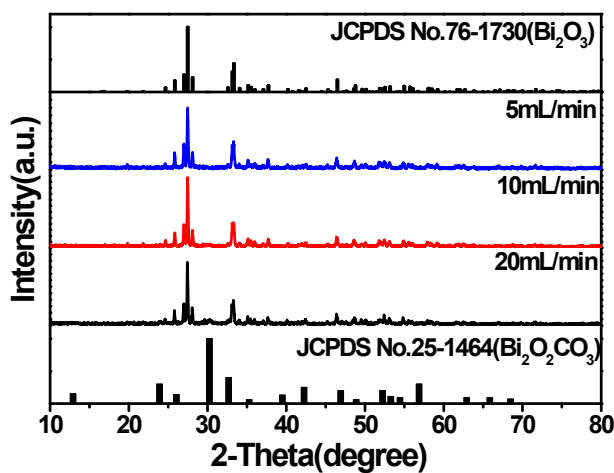


Fig.S2 The XRD patterns of the obtained Bi₂O₂CO₃ (A) kept at 300 °C for different flow rate of N₂.

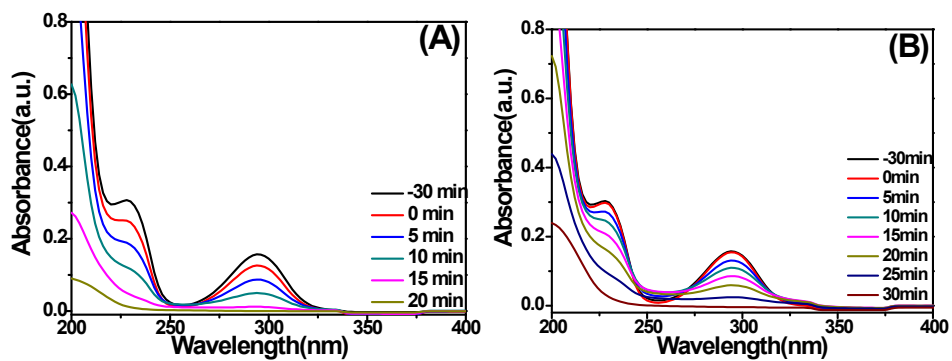


Fig. S3 UV-vis absorbance spectra of SA using $\text{Bi}_2\text{O}_2\text{CO}_3$ nanorod (A) and nanosheet (B) as photocatalysts

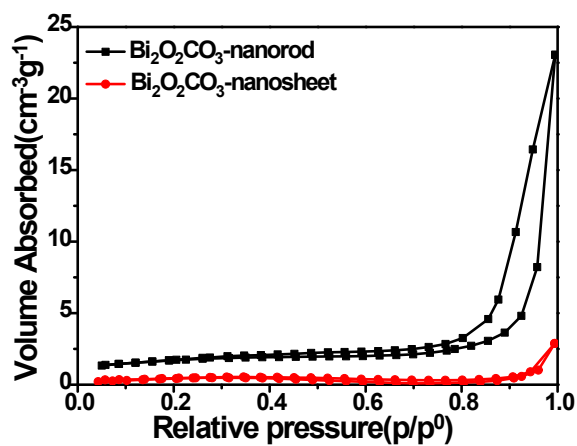


Fig. S4 N_2 adsorption/desorption isotherm of $\text{Bi}_2\text{O}_2\text{CO}_3$ nanosheet and nanorod.