Supporting Information

Self-supporting photocatalyst of 2D Bi_2O_3 anchored on carbon paper for degradation pollutants

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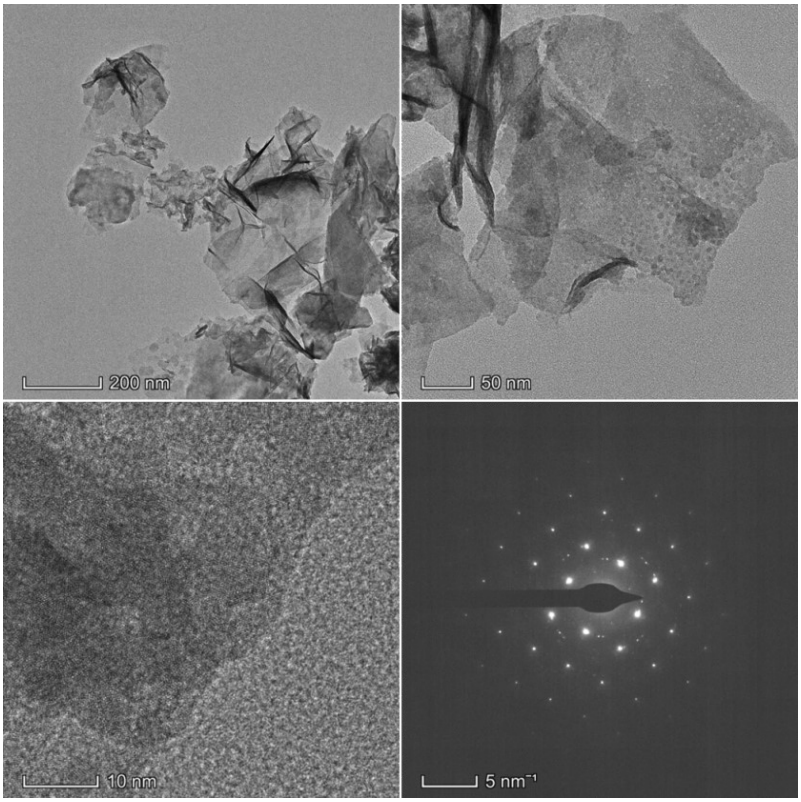

Fig. S1 TEM, HRTEM images and the selected area electron diffraction.for Bi_2O_3 NS sample.

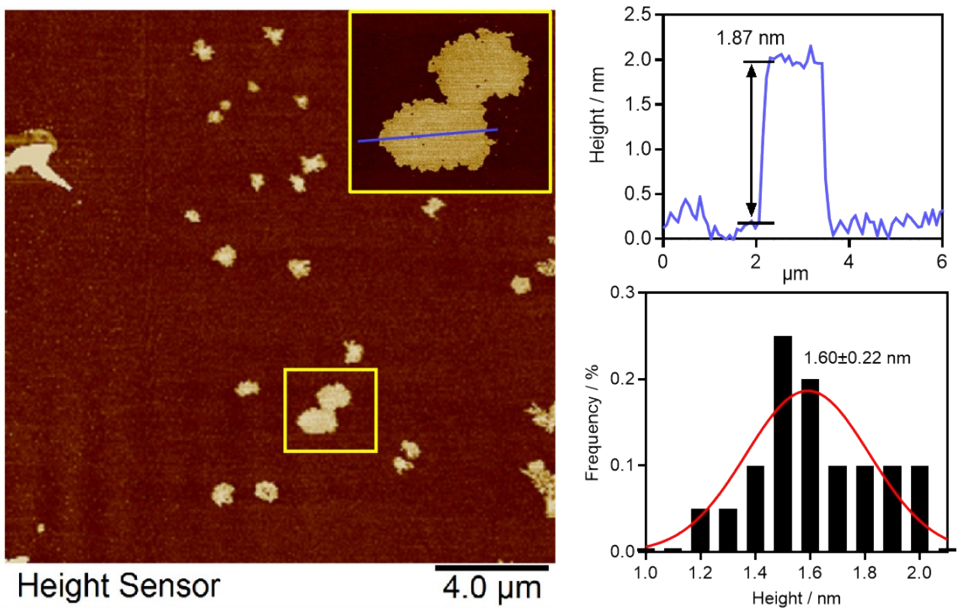

Fig. S2 AFM image and the average thickness distribution of Bi_2O_3 NS.

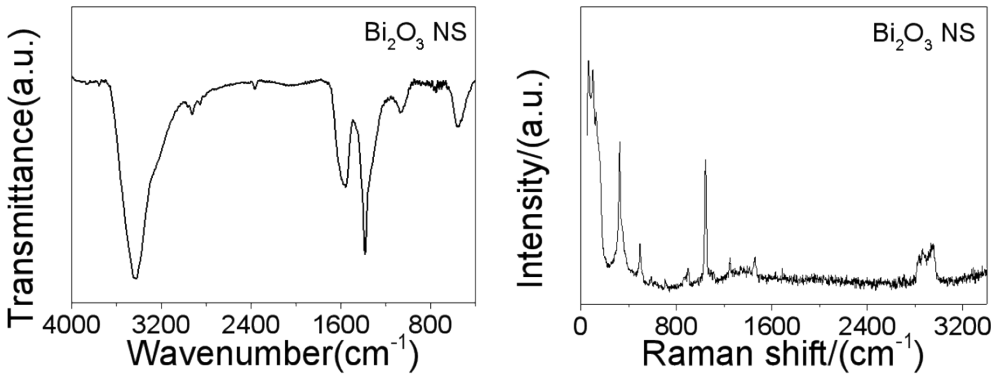

Fig. S3 FT-IR and Raman spectra of Bi_2O_3 NS (The laser excitation wavelength is 514.53 nm).

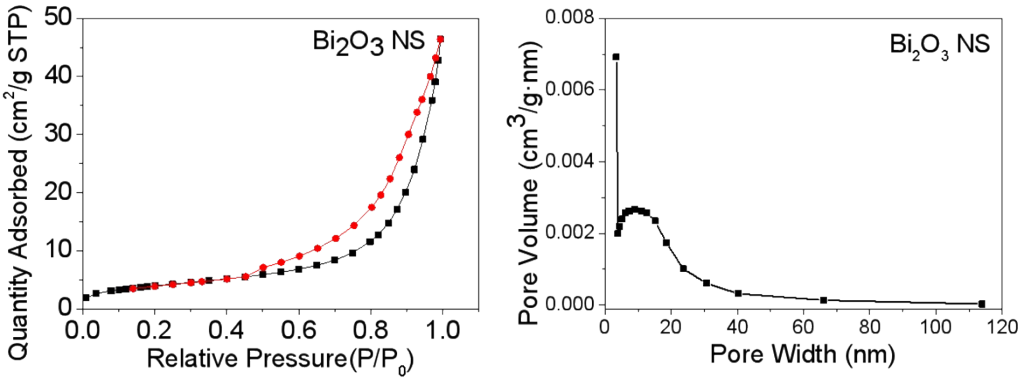

Fig. S4 N_2 adsorption–desorption isotherms curves and pore size distribution curves of Bi_2O_3 NS.

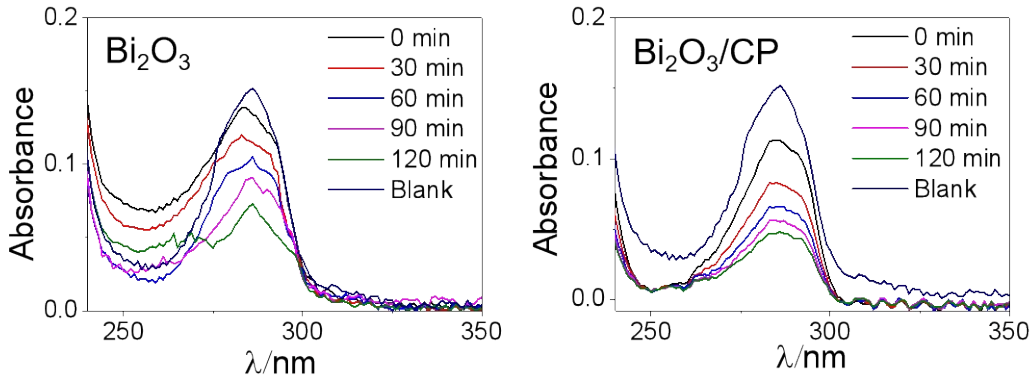

Fig. S5 UV-Vis absorption spectra of 2,4-DCP over Bi_2O_3 and Bi_2O_3/CP for different time periods.

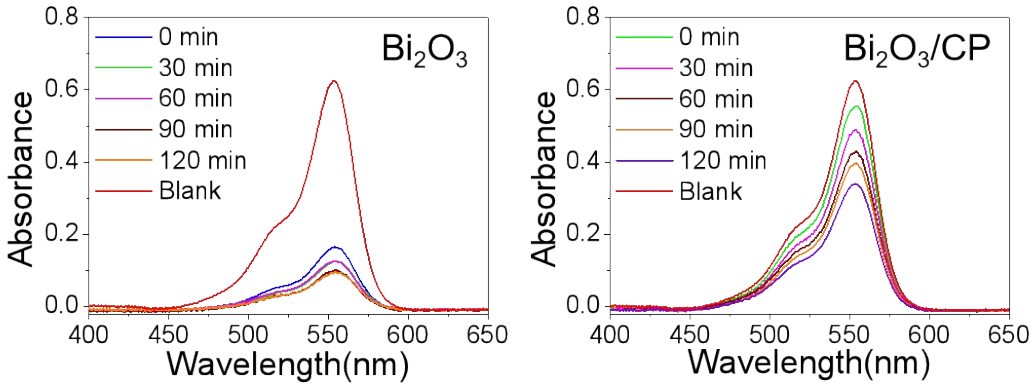

Fig. S6 UV-Vis absorption spectra of RhB over Bi_2O_3 and Bi_2O_3/CP for different time periods.

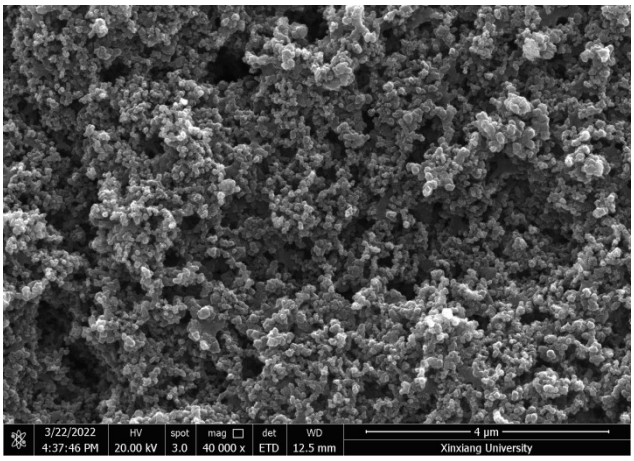

Fig. S7 SEM of carbon paper (micro-porous layer)

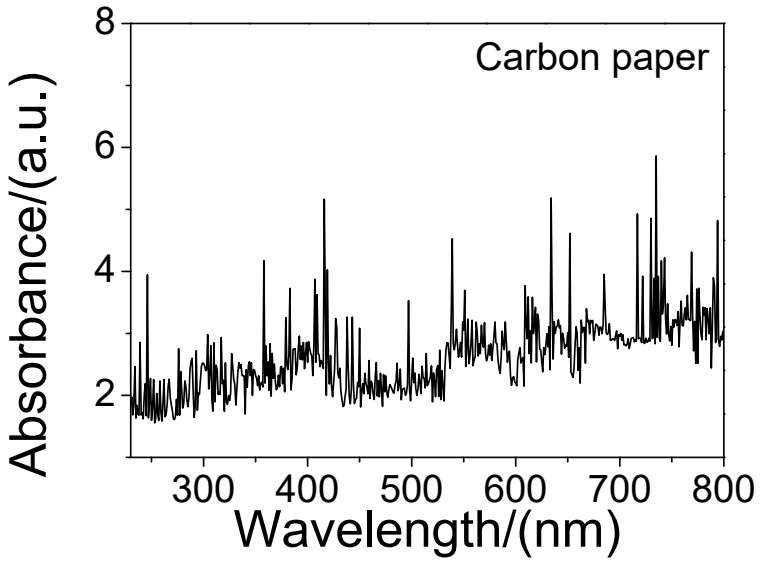

Fig. S8 UV-Vis diffuse reflectance spectra of carbon paper (CP) sample.