

Figure S1. (a) XRD patterns of $\text{Bi}(\text{OHC}_2\text{O}_4)\cdot 2\text{H}_2\text{O}$ - BiOCl precursors (sp1-sp3), $\text{Bi}(\text{OHC}_2\text{O}_4)\cdot 2\text{H}_2\text{O}$ and BiOCl ; (b) SEM image of pure $\text{Bi}(\text{OHC}_2\text{O}_4)\cdot 2\text{H}_2\text{O}$.

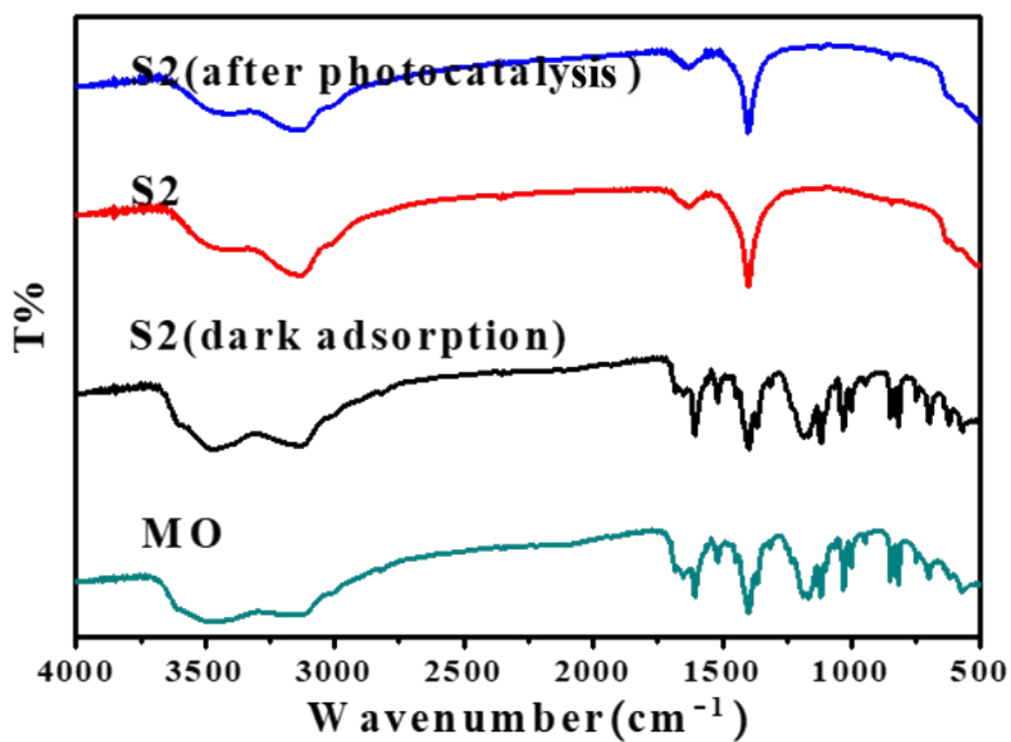


Figure S2. IR spectra of MO, S2, S2(dark adsorption), S2(after photocatalysis)



Figure S3. Samples of S2, S2(dark adsorption), S2(after photocatalysis)

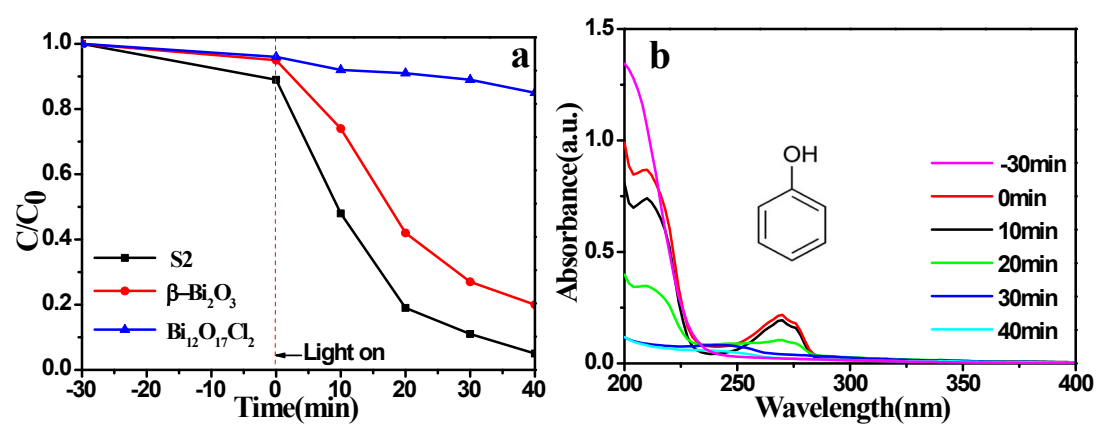


Figure S4. (a) Photocatalytic degradation curves of phenol (mol·L⁻¹) using different photocatalysts, (b) UV-Vis absorption spectra of phenol S2 as photocatalyst under solar light irradiation.