

Supporting information

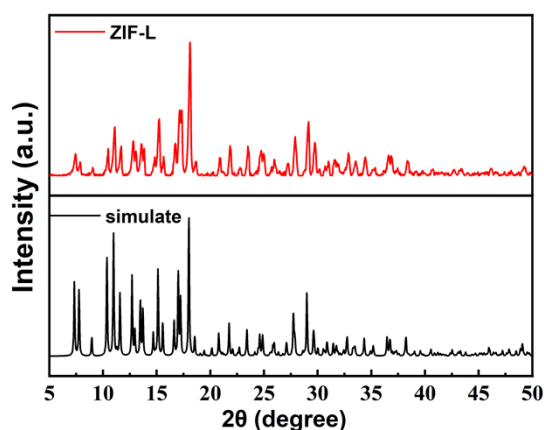


Figure S1. The XRD patterns of ZIF-L.

	N-ZnO		N-ZnO		N-ZnO
	BiOI	N-ZnO	/BiOI-1	/BiOI-2	/BiOI-3
K (min ⁻¹)	0.00235	0.00268	0.00769	0.00301	0.00278
Table S2: The different K of the Photocatalyst.					
R ²	0.9178	0.9151	0.9482	0.8091	0.08091

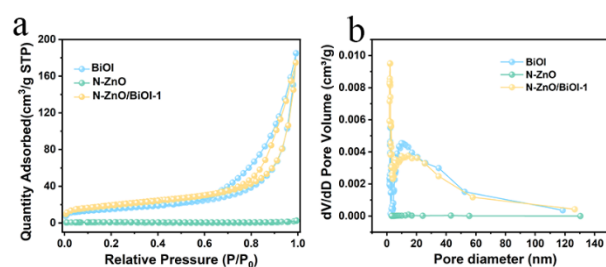


Figure S2 (a) N₂ adsorption-desorption isotherms. (b) The pore size distribution curves of as-synthesized products

Table S1: Physicochemical parameters of different samples

Sample	Surface area (m ² ·g ⁻¹)	Pore volume (cm ³ ·g ⁻¹)	Pore diameter (nm)
BiOI	55.648	0.287	19.984
N-ZnO	1.656	0.003	8.268
N-ZnO/BiOI -1	69.156	0.266	17.850

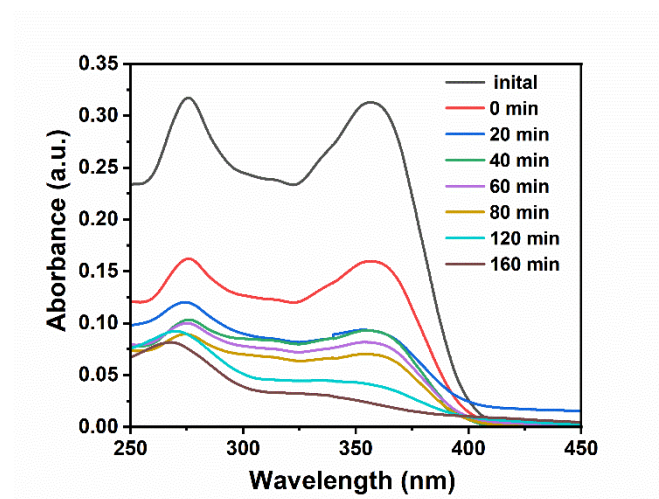


Figure S4: The UV-VIS absorption spectra of TCH after photocatalytic degradation.

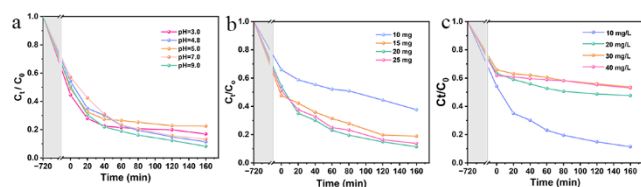


Figure S3. (a) The effect of pH. (b) The dosage of catalyst. (c) TCH concentration.