

Supplementary Materials: PCN/BiOCl Polymer-Based Heterojunction with Rich Chlorine Defects for Photocatalytic Amine Oxidation

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Table S1. Analysis of element content of Bi and Cl.

Catalyst	Bi (wt%)	Cl (wt%)	Bi: Cl (mol ratio)
BiOCl	81.46	11.78	1.17
PCN/BiOCl-0	3.70	0.11	5.71
PCN/BiOCl-10	5.46	0.43	2.16
PCN/BiOCl-20	7.32	0.94	1.32

Table S2. Surface area analysis of samples.

Catalyst	PCN	PCN/BiOCl-0	PCN/BiOCl-10	PCN/BiOCl-20
S_{BET} ($\text{m}^2\cdot\text{g}^{-1}$)	30.04	65.86	58.97	39.67

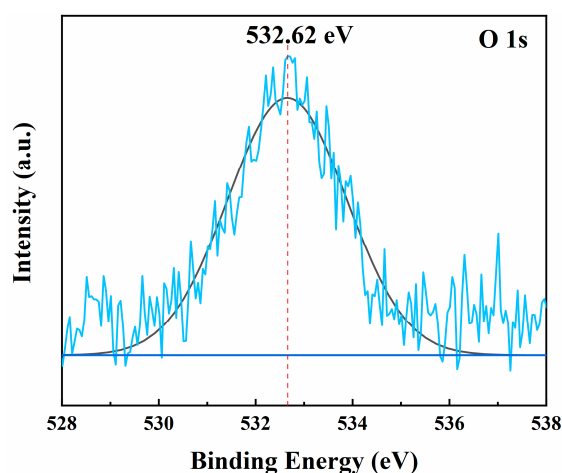


Figure S1. O 1s spectra of PCN.

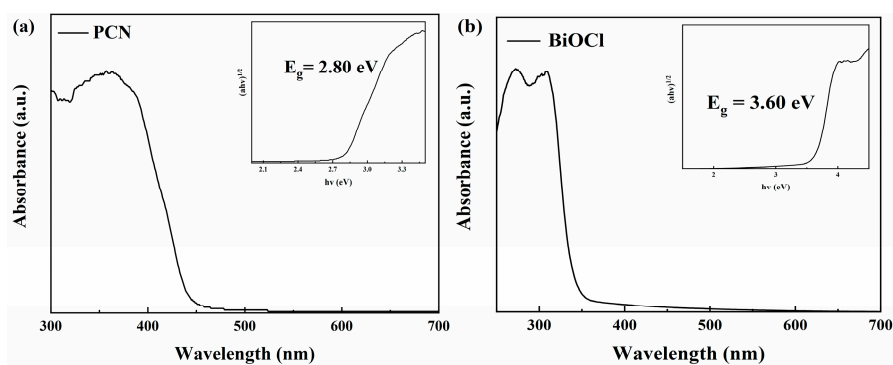


Figure S2. UV-Vis DRS and band gap energy of PCN (a) and BiOCl (b).

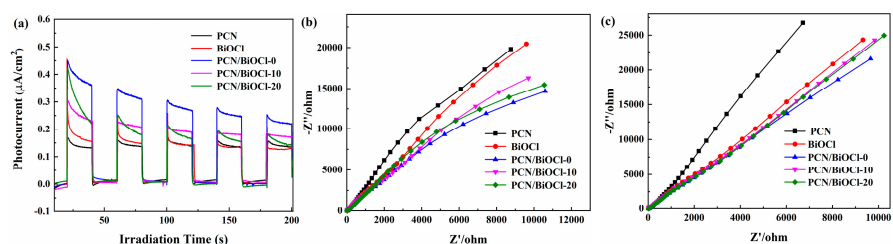


Figure S3. Photocurrent curve of samples (a), optical impedance (b) and dark impedance plot (c) of samples.

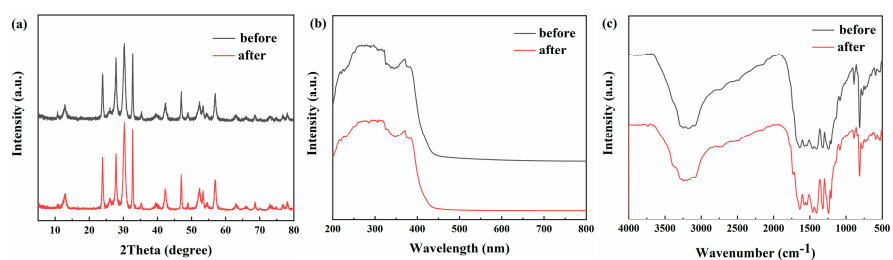


Figure S4. The XRD patterns (a), UV-Vis DRS (b) and FT-IR patterns (c) of before and after PCN/BiOCl.

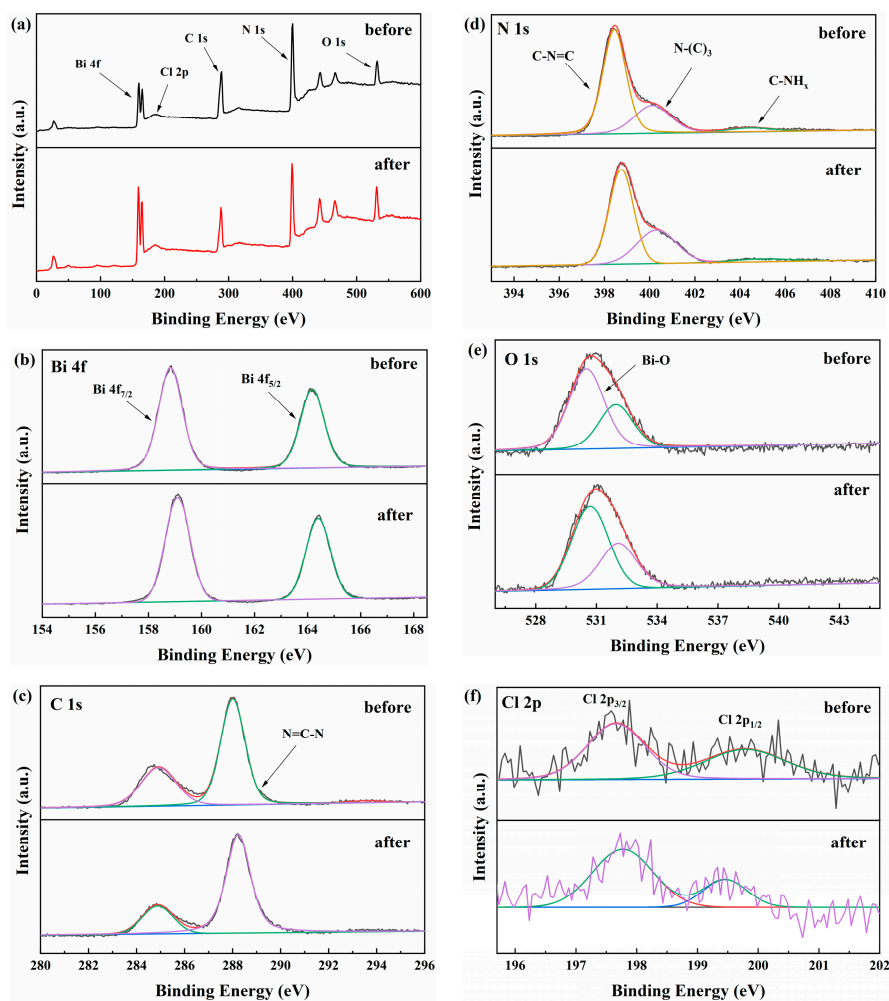


Figure S5. XPS survey spectra of before and after PCN/BiOCl (a); XPS spectra of before and after PCN/BiOCl (Bi, C, N, O, Cl) (b–f).