

Supplementary Materials

Fabrication of Novel g-C₃N₄@Bi/Bi₂O₂CO₃ Z-Scheme Heterojunction with Meliorated Light Absorption and Efficient Charge Separation for Superior Photocatalytic Performance

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Figures

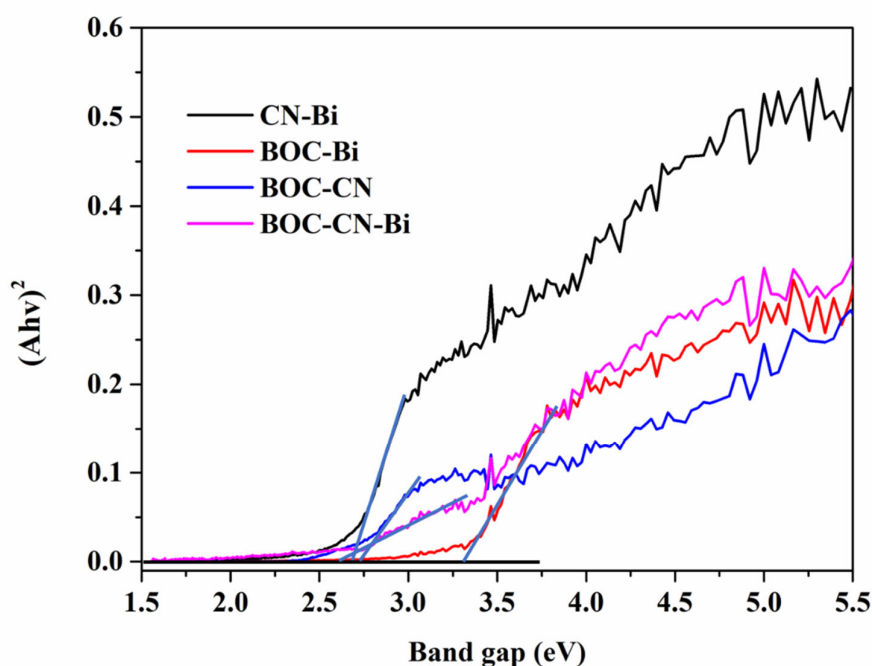


Figure S1. The band gaps of BOC-Bi, CN-Bi, BOC-CN, and BOC-CN-Bi.

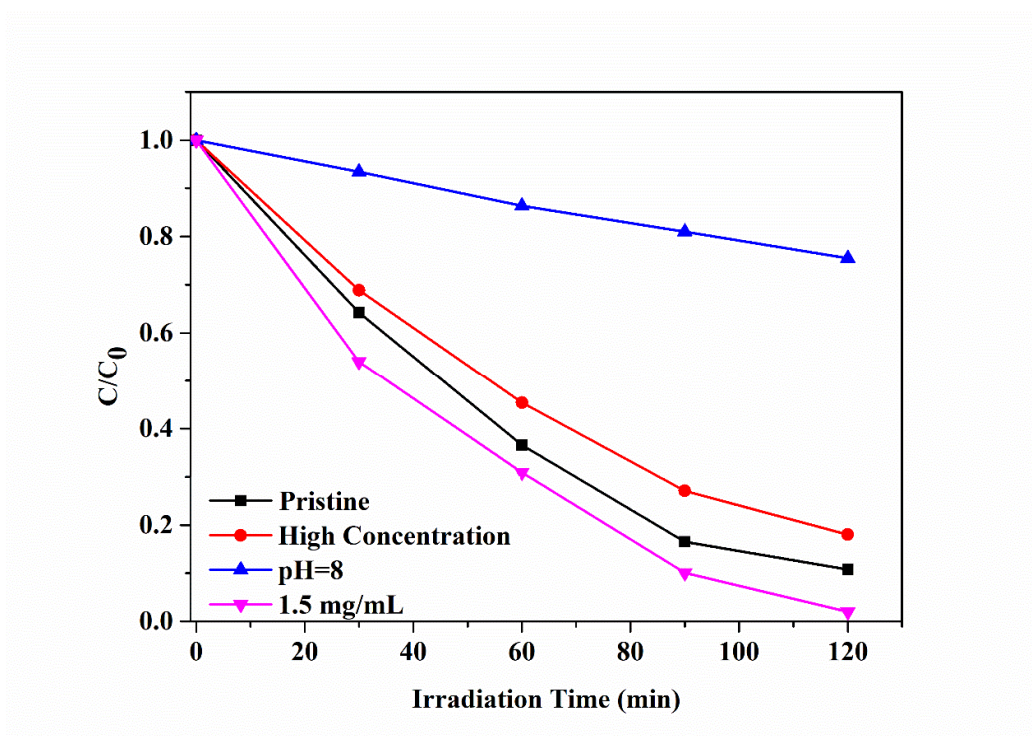


Figure S2. The photodegradation different organic pollutant of BOC-CN-Bi under different conditions.

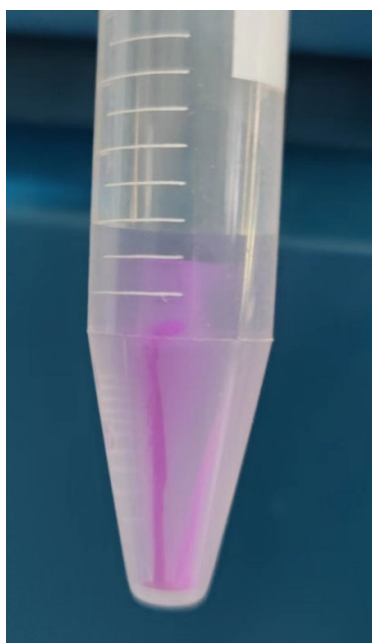


Figure S3. The color of the solution for BOC-CN-Bi after the dark at pH = 4.

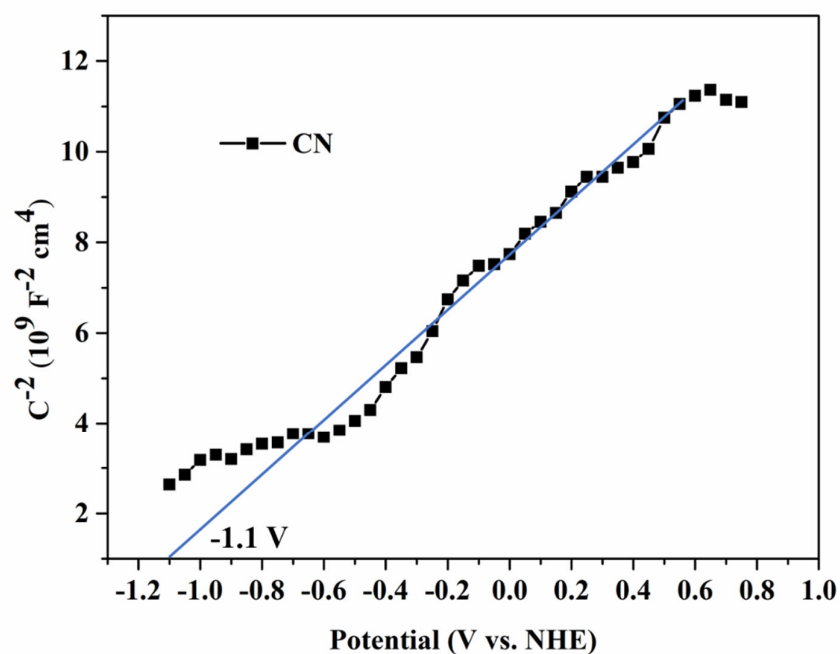


Figure S4. Mott-Schottky plots of CN.

Table S1. Element content of BOC-CN-Bi composites by EDS.

Element	Weight percentage	Wt % Sigma	Atomic percent
C	16.11	0.58	46.86
N	1.41	0.72	3.53
O	17.76	0.42	38.79
Bi	64.72	0.78	10.82

Table S2. The Value of RhB adsorption for all samples.

	BOC	CN	BOC-Bi	CN-Bi	BOC-CN	BOC-CN-Bi
Value of RhB adsorption	0.213	0.181	0.225	0.193	0.211	0.256