

Supporting information

Efficient photocatalytic fixation of N₂ by KOH treated g-C₃N₄

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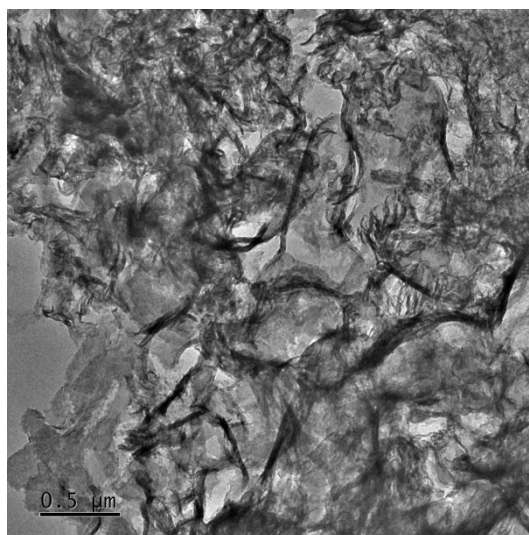


Figure S1. TEM image of CN

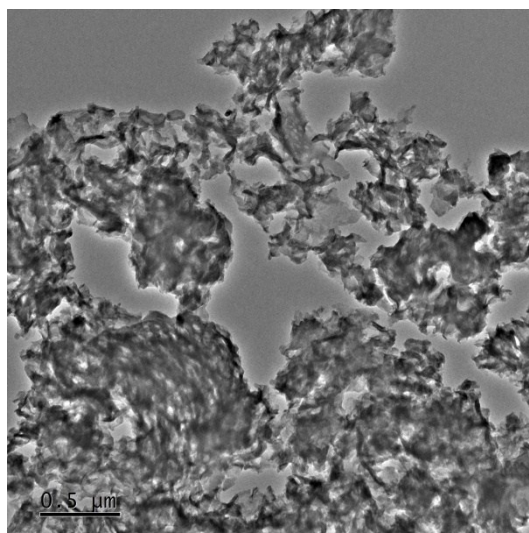


Figure S2.TEM image of CNK1

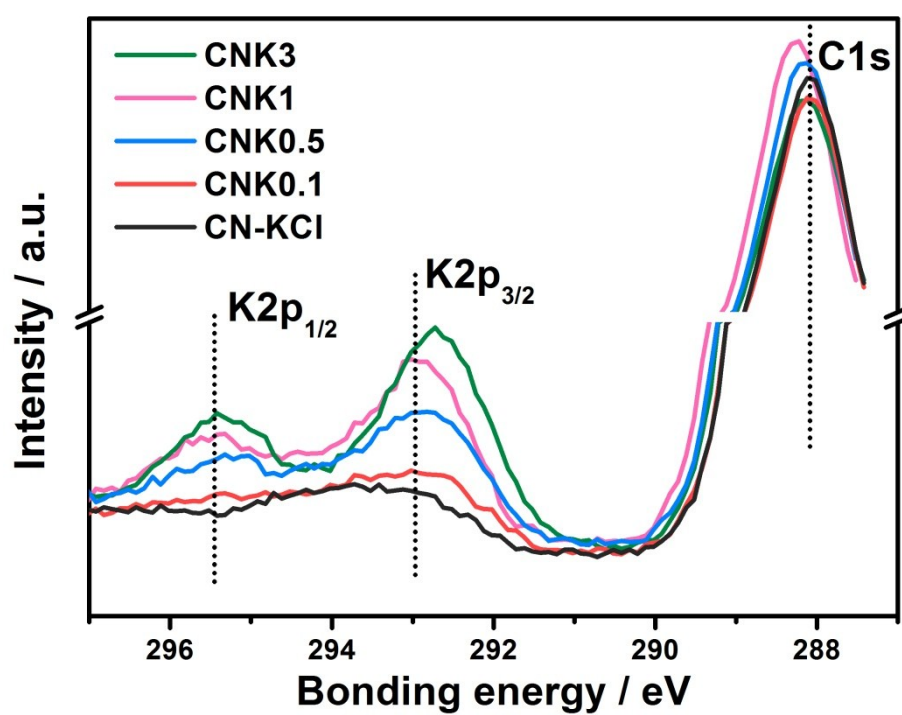


Figure S3.XPS spectra of CN and CNK_x

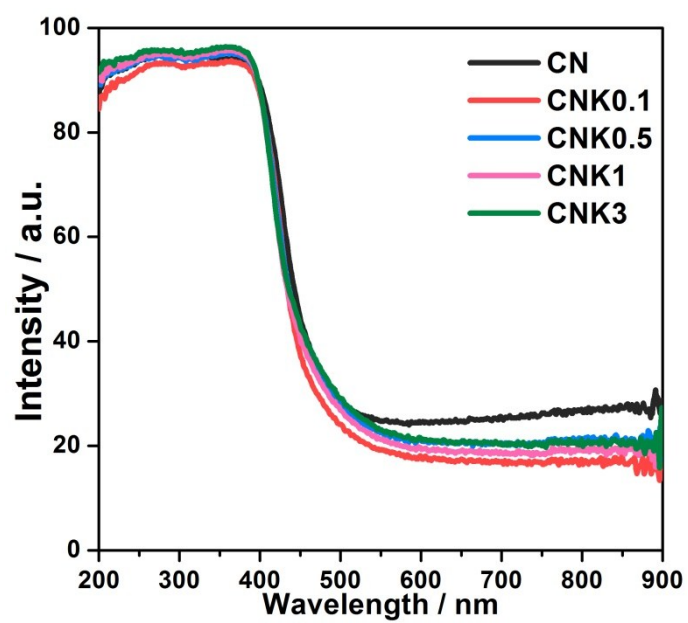


Figure S4.UV-vis absorption spectra of CN and CNKx

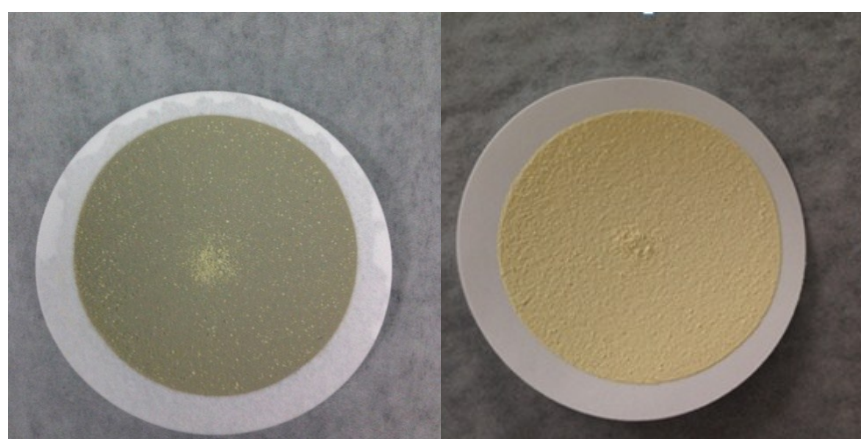


Figure S5.The image of CNK1 after photocatalytic reaction (left, ash green) and the image of the left sample put in the air after one hour (right, yellow).

Table S1. BET surface areas of g-C₃N₄ and CNKs.

Sample	CNK	CNK0.1	CNK0.5	CNK1	CNK3
BET surface area (m ² /g)	62.5	63.2	59.4	65.3	70.1