# Supporting Information

## Tubular g-C$_3$N$_4$/Carbon Framework for High-efficiency Photocatalytic Degradation of Methylene Blue

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**Experiment**

Degradation efficiency formula:

The degradation efficiency of methylene blue is calculated by the following formula:

$$Efficiency = \frac{C_0 - C}{C_0} * 100\%$$

$C_0$ is the concentration of the initial methylene blue solution, and C is the concentration of the methylene blue solution tested with a spectrophotometer.
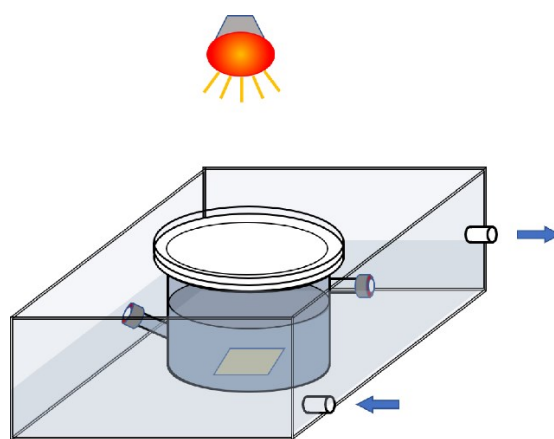
**Results and discussion**



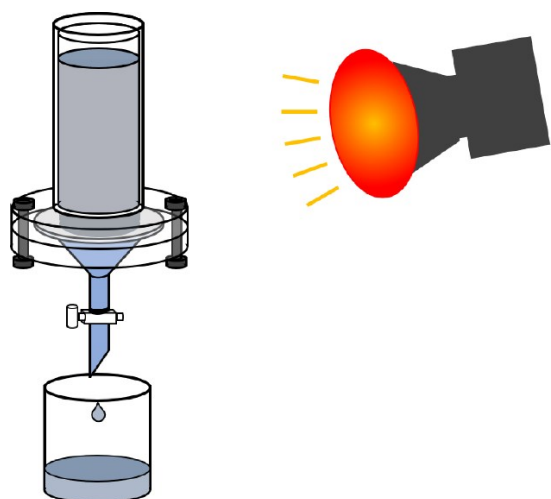Fig. S1. Schematic diagram of the static photocatalysis process in a water tank.

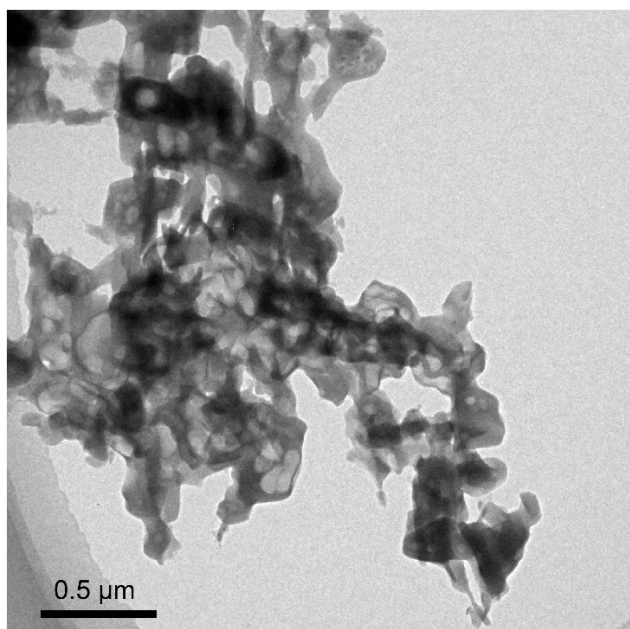Fig. S2 Schematic diagram of the dynamic photocatalysis process.
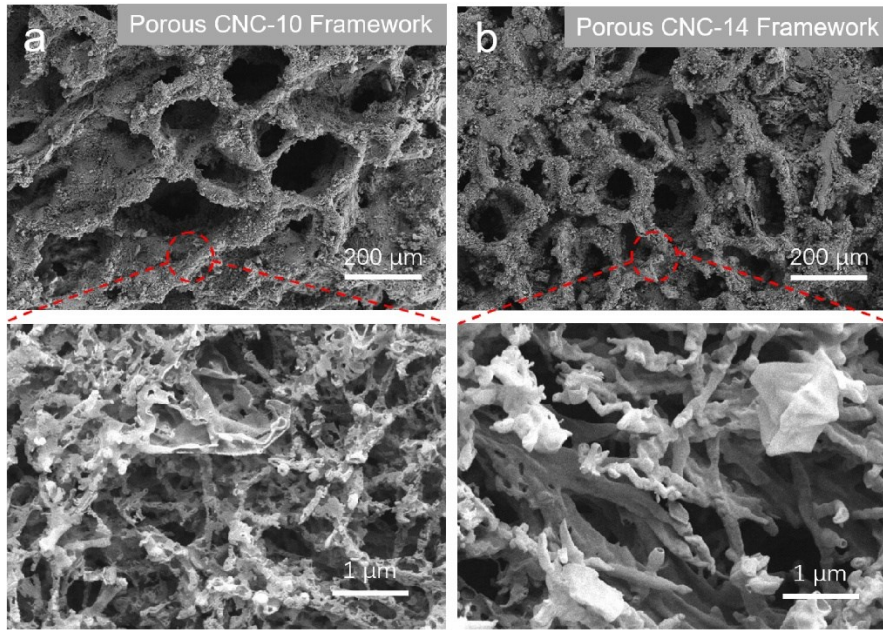


Fig. S3 TEM images of CNC-12.
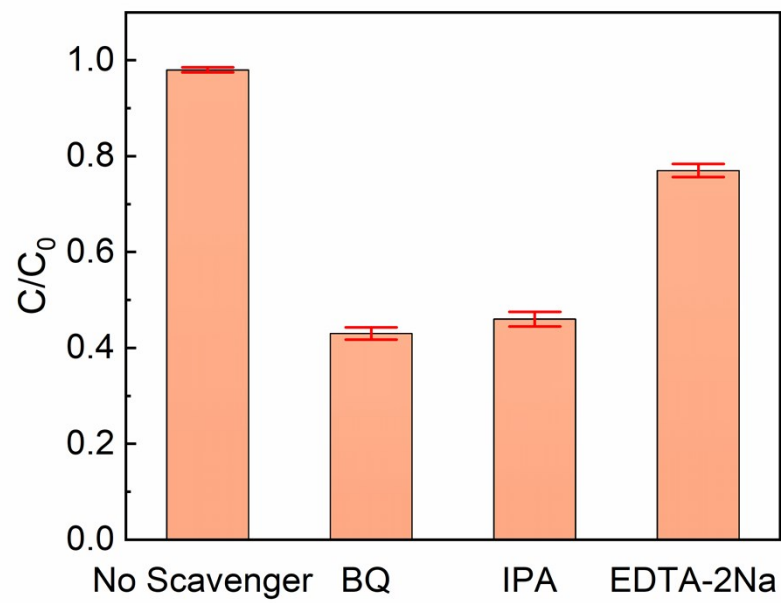
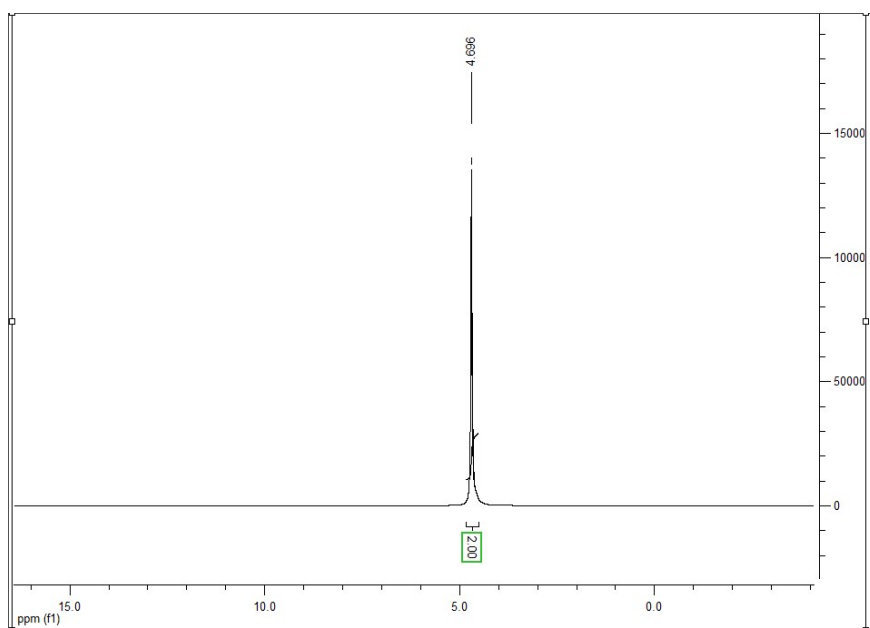Fig. S4 SEM images of CNC-10 (a), and CNC-14 (b).



Fig. S5 Radical species capture experiment.

Fig. S6 1H-NMR (400 MHz, D$_2$O) δ 4.696 (m, J = 4.696, 2H)