

Supplementary Materials

The Growth of Extended Melem Units on g-C₃N₄ by Hydrothermal Treatment and Its Effect on Photocatalytic Activity of g-C₃N₄ for Photodegradation of Tetracycline Hydrochloride under Visible Light Irradiation

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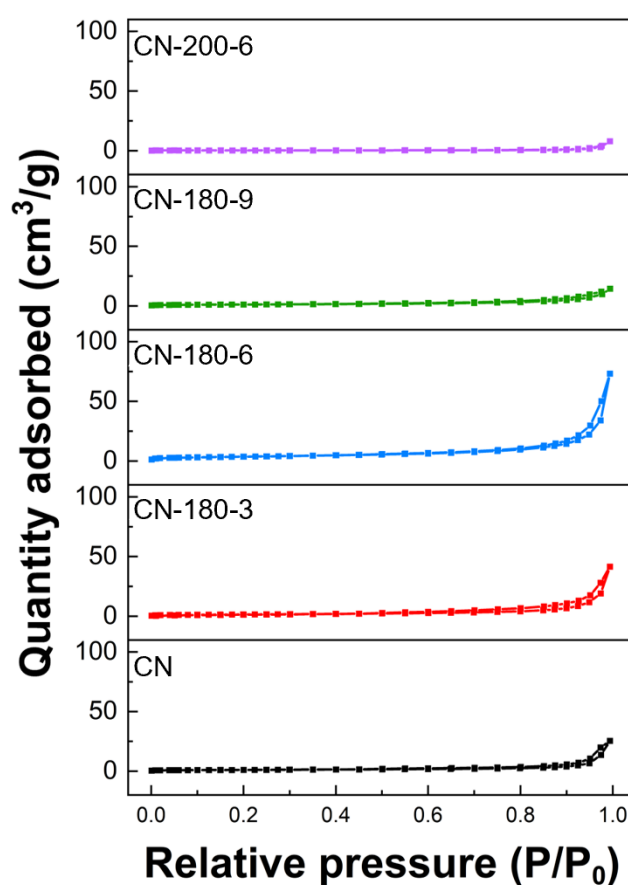


Figure S1. N₂ adsorption/desorption isotherms of as-prepared photocatalysts.

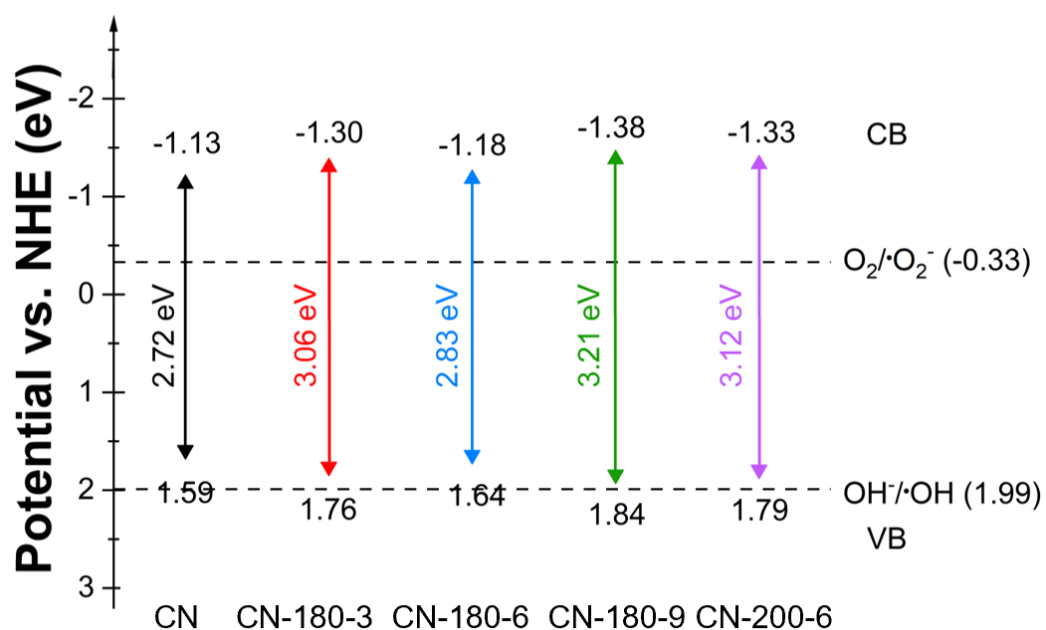


Figure S2. Band diagrams of the CN-180-x and CN-200-6 photocatalysts.

Table S1. O-groups data from XPS.

	CN-180-3	CN-180-6	CN-180-9	CN-200-6
COOH	25.10	47.30	51.86	46.24
C=O	24.02	40.95	39.48	24.56
OH	50.87	11.75	8.66	19.20

Table S2. Kinetic rate constants (k) and correlation coefficients (r^2) of TC photodegradation.

Sample	$k \times 10^3 \text{ (min}^{-1}\text{)}$	r^2
CN	6.6	0.98247
CN-180-3	11.8	0.99719
CN-180-6	23.6	0.98859
CN-180-9	5.8	0.99199
CN-200-6	2.3	0.99224