

Supplementary Information

Acid-induced morphological engineering of g-C₃N₄ for enhanced piezocatalytic hydrogen peroxide synthesis

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The apparent thickness and lateral size of CN and CN-60 were statistically measured from SEM images using ImageJ software after calibration based on the scale bar in each image. Multiple edge profiles or nanosheets were randomly selected for measurement. The statistical results are reported as mean \pm standard deviation for thickness and as range for lateral size.

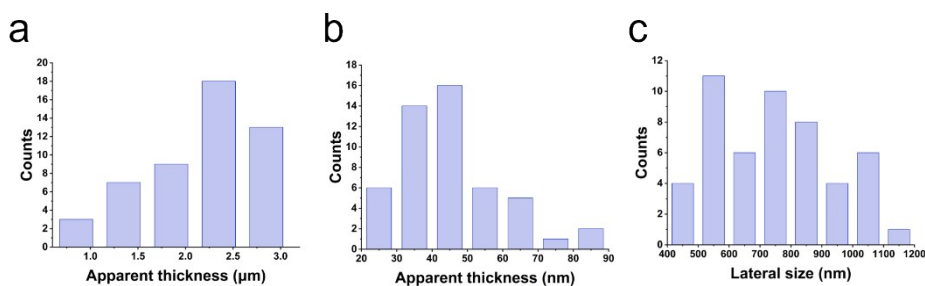


Fig. S1. Statistical analysis of the apparent thickness and lateral size of CN and CN-60 based on SEM images using ImageJ software: (a) apparent thickness distribution of CN, (b) apparent thickness distribution of CN-60, and (c) lateral size distribution of CN-60.

Sample	Parameter	Result
CN	Apparent thickness (μm)	2.13±0.61
CN-60	Apparent thickness (nm)	45.46±14.49
CN-60	Lateral size (μm)	0.453-1.128

Table S1. Statistical summary of the apparent thickness and lateral size measured from SEM images using ImageJ software.