Electronic Supplementary Information

Hybrid CN-MEA microplates with enhanced photocatalytic hydrogen evolution under visible light irradiation

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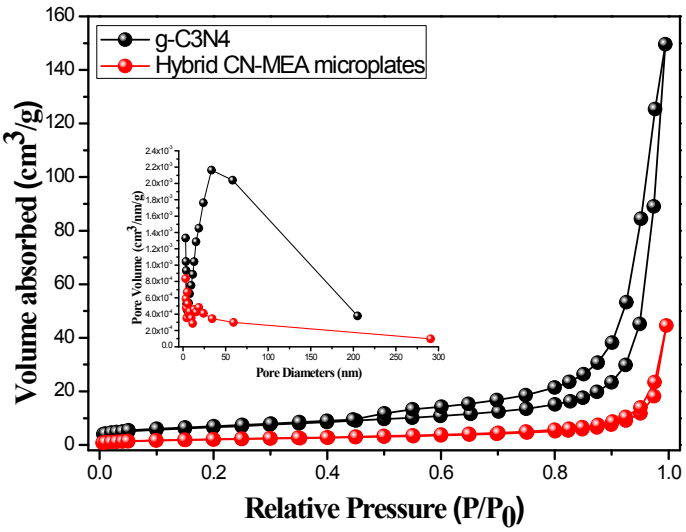

Fig. S1 N_2 adsorption-desorption isotherm and pore size distribution curves (inset) of g-C_3N_4, and hybrid CN-MEA microplates.

Table S1

The specific surface area, pore volume, and pore diameter of samples.

	S_{BET} (m^2/g)	Pore Volume (cm/g)	Pore Diameter (nm)
g-C_3N_4	19.180	0.229	33.424
Hybrid CN-MEA microplates	5.996	0.068	3.066

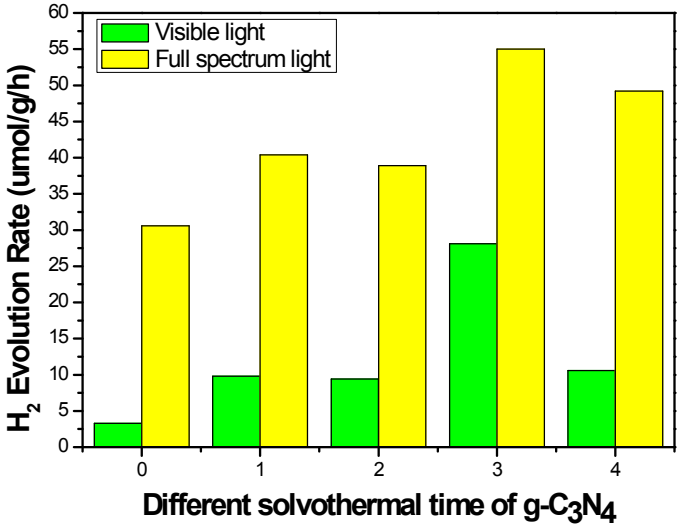

Fig. S2 H_2 evolution rate of sample after different reaction time under visible and UV-visible light irradiation.

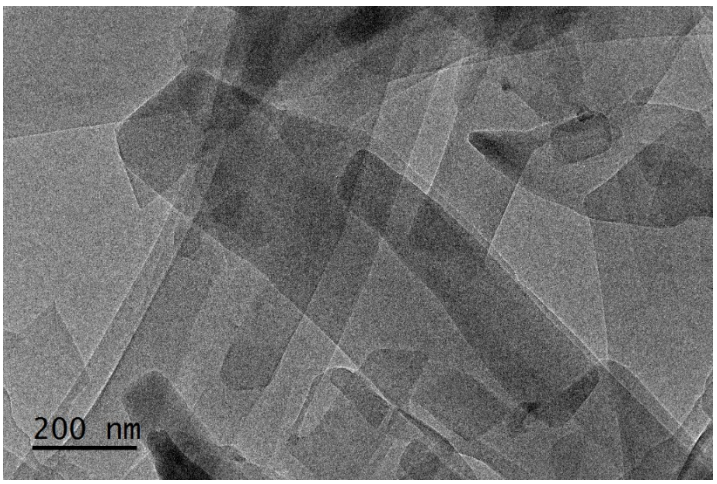

Fig. S3 TEM images of hybrid CN-MEA microplates.

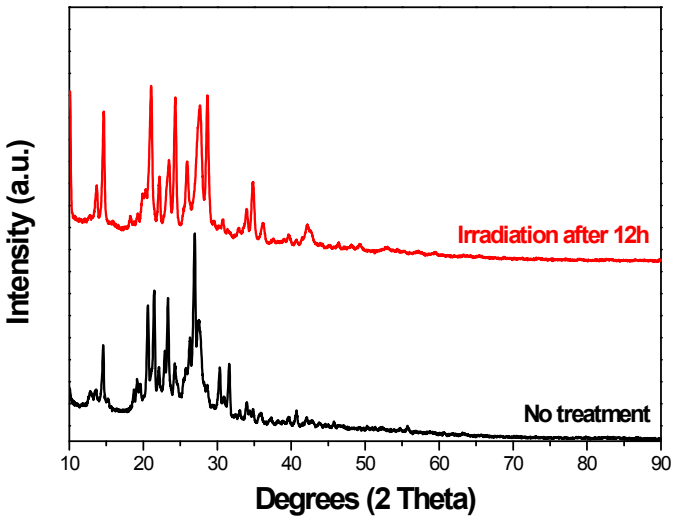

Fig. S4 The XRD patterns of hybrid CN-MEA microplates (2 h) before and after 12 hours.

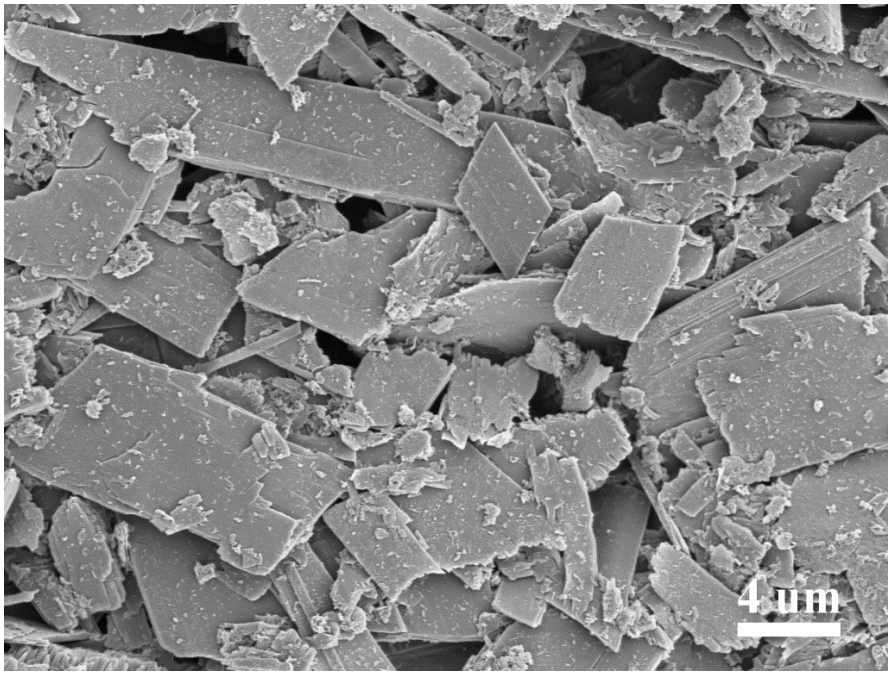

Fig. S5 The SEM image of hybrid CN-MEA microplates (2 h) before and after 12 hours.