Thermal exfoliation and phosphorus doping in graphitic carbon nitride for efficient photocatalytic hydrogen production

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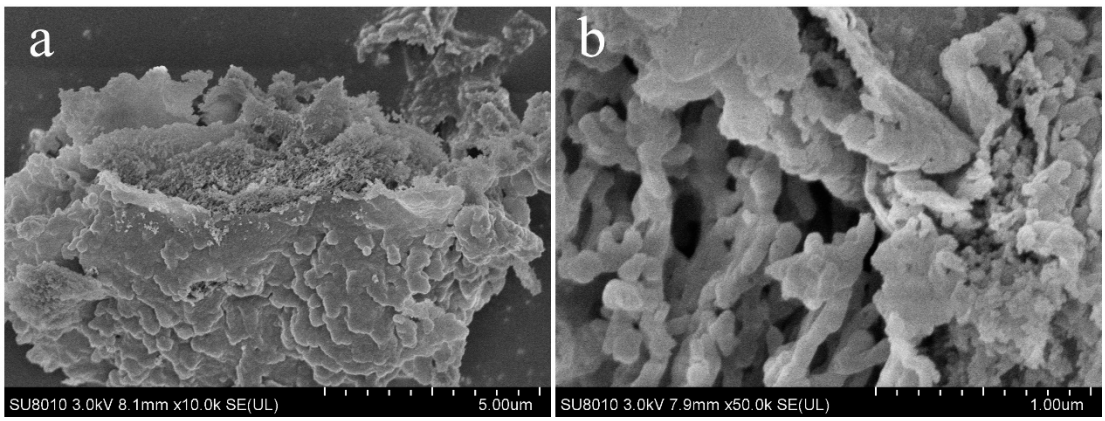


Fig. S1 SEM images of (a) CNS, (b) PCN

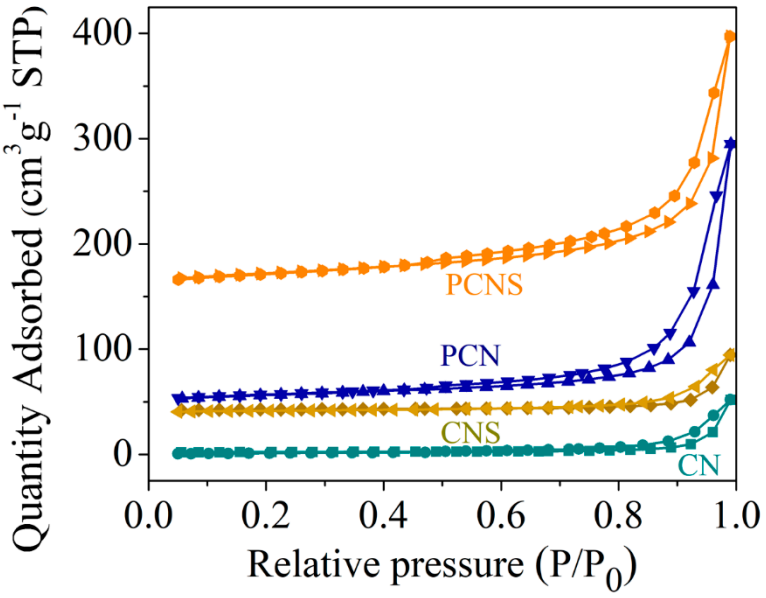


Fig. S2 N_2 adsorption–desorption isotherm curves of four photocatalysts

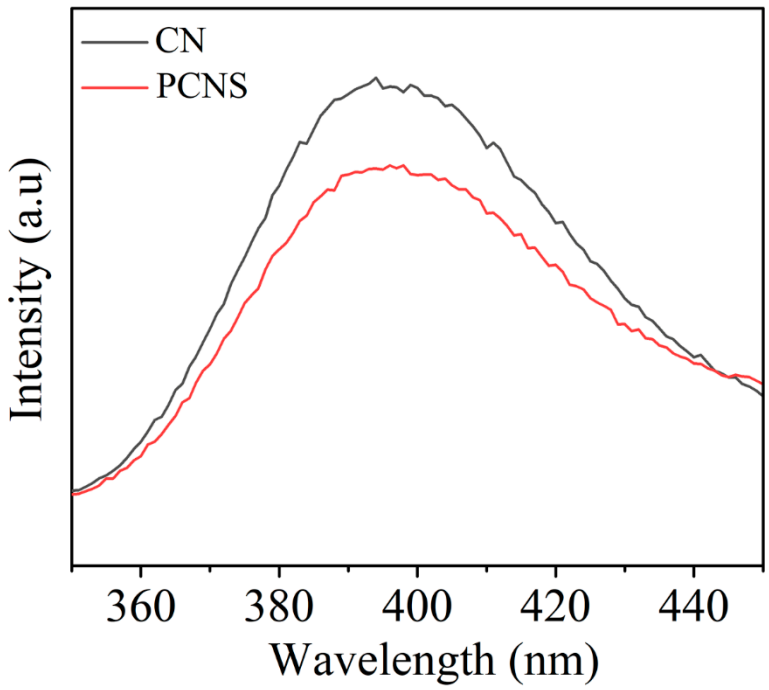


Fig. S3 PL spectra of CN and PCNS

Table. S1 Comparison of the H_2 evolution rates between the current work and other reports

Sample	Condition	Weight (mg)	H_2 (ummol·g^{-1}·h^{-1})	Ref
P-g-C_3N_4	10% TEOA (λ> 420 nm)	30	700	Our work
S-g-C_3N_4	10% TEOA (λ> 420 nm)	50	142	1
S-g-C_3N_4	10% TEOA (λ> 420 nm)	15	367	2
C-g-C_3N_4	10% TEOA (λ> 420 nm)	25	663.6	3
P-g-C_3N_4	10% TEOA (λ> 420 nm)	100	670	4
P-g-C_3N_4	10% TEOA (λ> 420 nm)	100	570	5
P-g-C_3N_4	10% TEOA (λ> 420 nm)	100	506	6

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