Supporting Information

Oxygen-doped and nitrogen vacancy co-modified carbon nitride for efficient visible light photocatalytic hydrogen evolution

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Table S1. Elemental analysis of samples CN, DCN and ODCN

Photocatalyst	C (%)	N (%)	O (%)	H (%)	C/N
CN	34.50	61.53	2.54	1.43	0.561
DCN	35.38	60.89	2.05	1.68	0.581
ODCN	35.36	60.66	2.50	1.48	0.583

Table S2. The comparison of our performance with other system

Photocatalyst	Light source	Reaction product	Reaction rate	Reference
P-CN1	$\lambda>420$ nm	H_2	122.8 $\mu molh^{-1}g^{-1}$	(S1)
U-CN-3	$\lambda>420$ nm	H_2	348 $\mu molh^{-1}g^{-1}$	(S2)
CN1	$\lambda>400$ nm	H_2	170 $\mu molh^{-1}g^{-1}$	(S3)
CNQ680	$\lambda>440$ nm	H_2	310 $\mu molh^{-1}g^{-1}$	(S4)
LB-CN	$\lambda>420$ nm	H_2	226 $\mu molh^{-1}g^{-1}$	(S5)
ODCN	$\lambda>420$ nm	H_2	364 $\mu molh^{-1}g^{-1}$	Our work

References

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