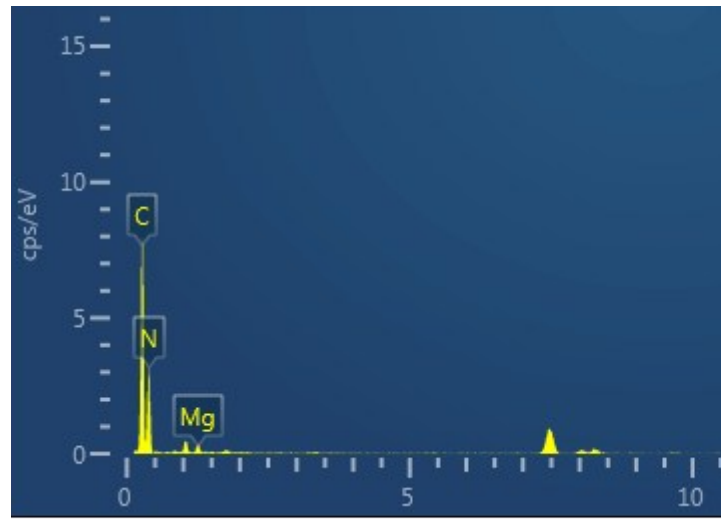


**Facile one-pot synthesis of Mg-doped g-C₃N₄ for photocatalytic
reduction of CO₂**

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Fig.S1. EDX spectrum of the Mg-CN-4% sample



Element	Line Type	k factor	Absorption Correction	Wt%	Wt% Sigma
C	K series	2.50675	1.00	65.62	0.92
N	K series	3.14061	1.00	32.86	0.92
Mg	K series	1.06408	1.00	1.52	0.15
Total:				100.00	

Fig.S2. N1s high-resolutions of g-C₃N₄ and Mg-CN-4%

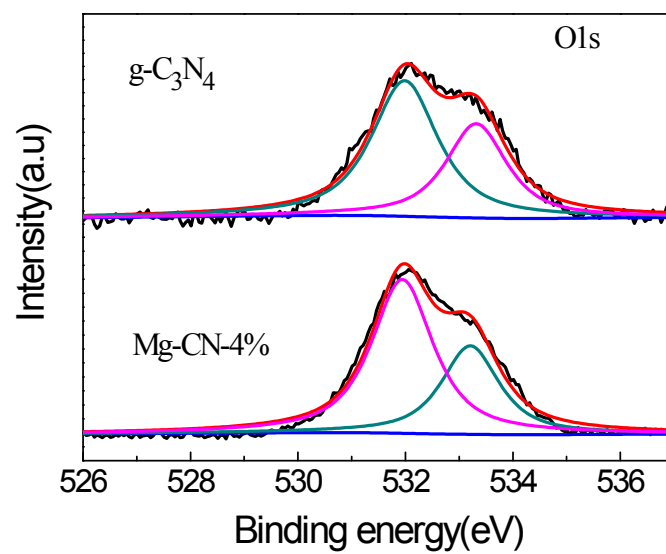


Fig.S2. N1s high-resolutions of g-C₃N₄ and Mg-CN-4%