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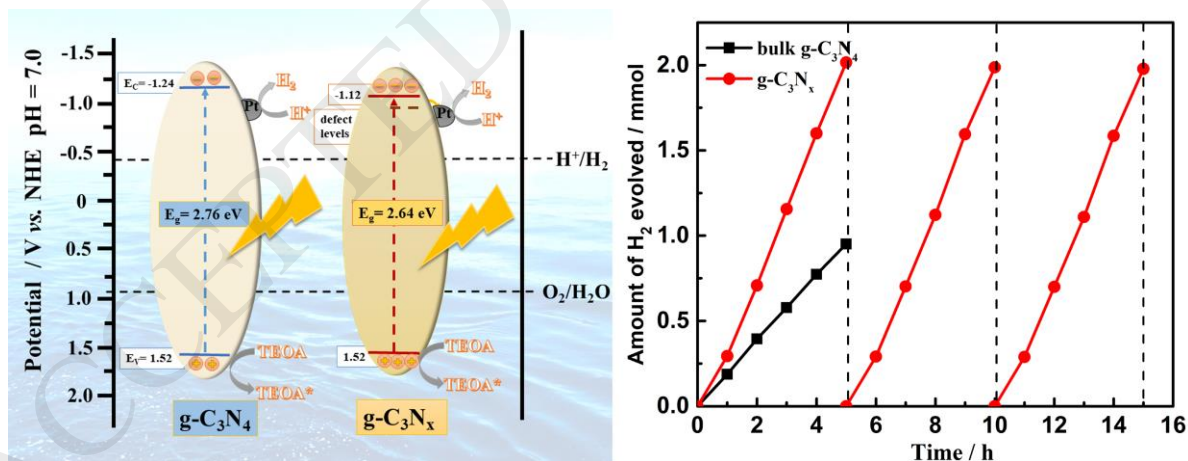
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## Graphical abstracts



Nitrogen defects and the improved extent of polymerization in g-C<sub>3</sub>N<sub>4</sub> promote the light harvesting and charge separation, resulting in the improvement of photocatalytic activity.

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