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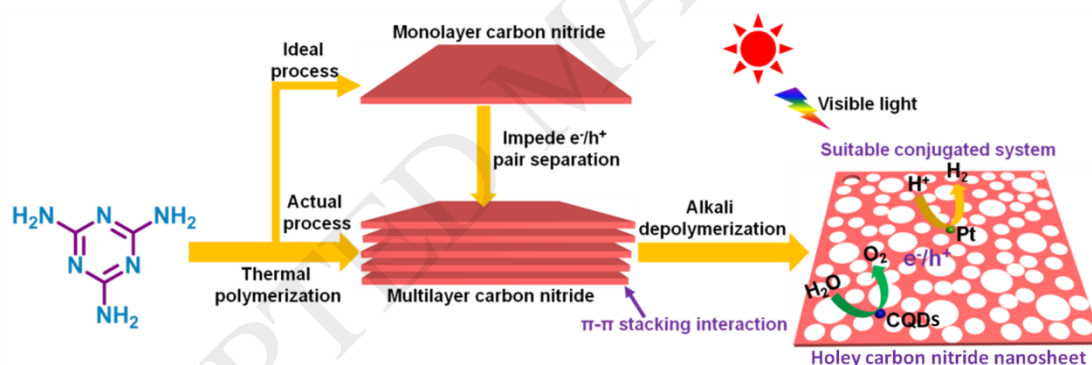
# Alkali-assisted fabrication of holey carbon nitride nanosheet with tunable conjugated system for efficient visible-light-driven water splitting

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Graphical abstract



## Highlights

- 1. A post-processing method constructs different conjugated systems of CN samples.
- 2. CN 3(2) shows a suitable conjugated system and abundant in-plane holes.
- 3. CN 3(2) retains the ability to absorb sunlight during alkali depolymerization.
- 4. CN 3(2) exhibits significantly photocatalytic water splitting activity.

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