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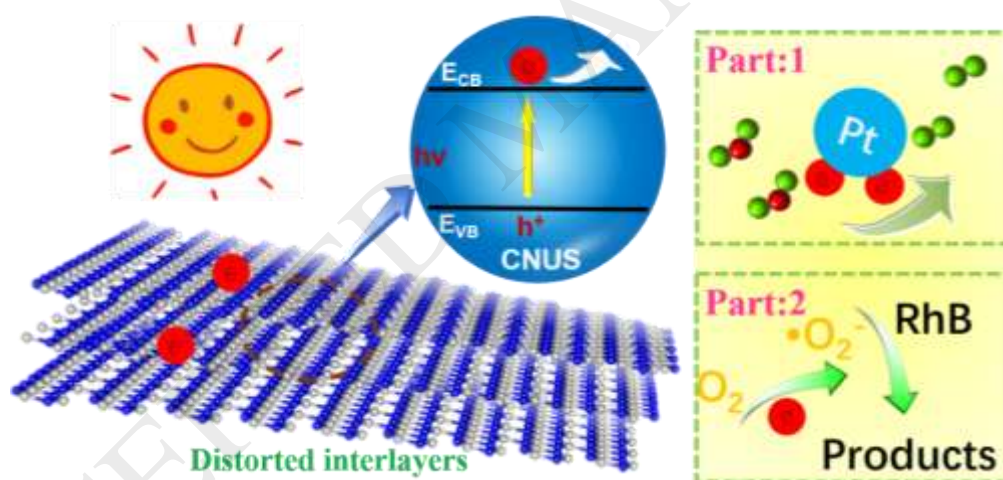
Simultaneously Enhanced Photon Absorption and Charge Transport on a Distorted Graphitic Carbon Nitride toward Visible Light Photocatalytic Activity

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Graphical Abstract



An isopropanol assisted solvothermal-copolymerization strategy was used to construct a distorted C₃N₄ with enhanced visible light absorption, stronger redox ability, faster exciton dissociation efficiency, and higher photocatalytic performance.

Highlights

- An isopropanol assisted solvothermal-copolymerization strategy is first proposed to construct distorted g-C₃N₄.
- Distorted g-C₃N₄ shows simultaneous enhancements in π - π^* and n - π^* electron transitions.

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