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Water Soluble Graphitic Carbon Nitride with Tunable Fluorescence for Boosting Broad-response Photocatalysis

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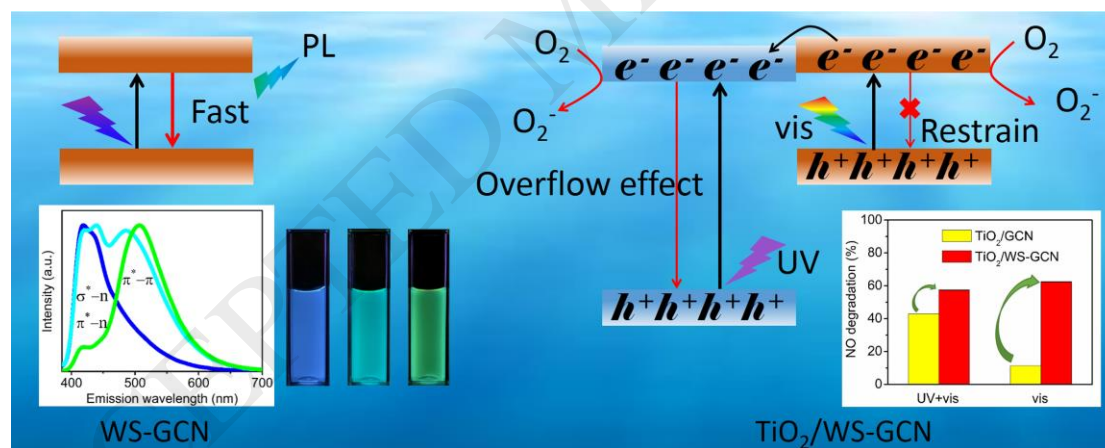
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Graphical abstract



Highlights

- High-quality water-soluble graphite carbon nitride is provided by a facile one-step approach.
- The unique defect features should account for the strong tunable PL properties and attractive band energy narrowing.
- Small amount of WS-GCN decorating onto TiO₂ makes a broad light absorption and efficiently

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