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Photo-induced processes on Nb₂O₅ synthesized by different procedures

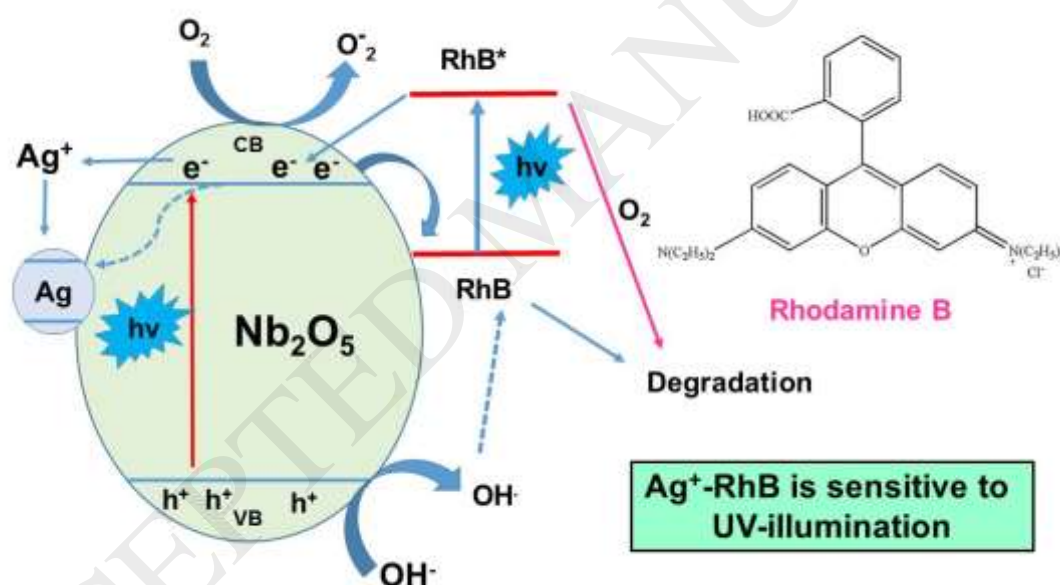
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GRAPHICAL ABSTRACT



Highlights

- Synthesis, structure and morphology of Nb₂O₅ prepared by different procedures.
- The effect of the preparation method of Nb₂O₅ influences the performance of the photocatalytic activity.
- The Ag⁺-RhB/Nb₂O₅ coupling increases the photocatalytic degradation of RhB by a synergistic procedure.
- Exploring the photocatalytic properties of Nb₂O₅ catalysts using a dye (RhB). Is Nb₂O₅ a good potential photocatalyst?

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