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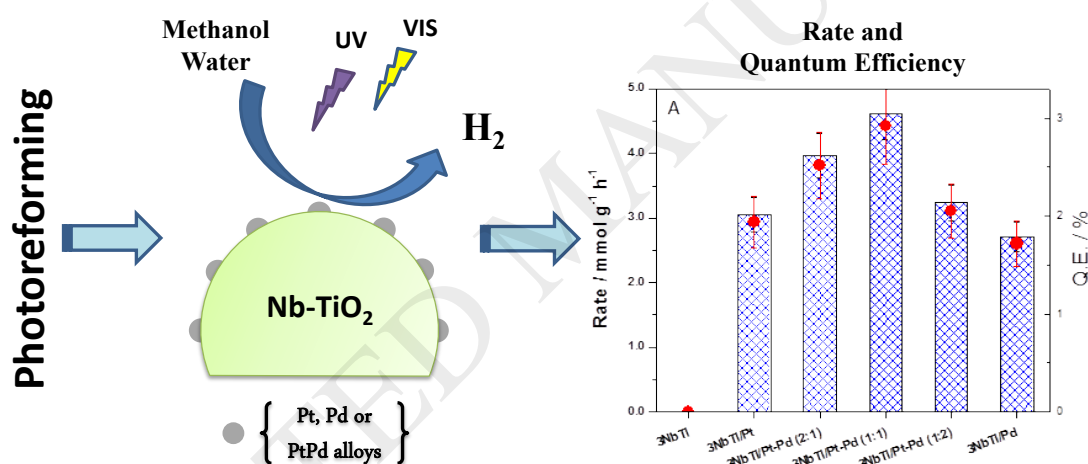
Bimetallic Pt-Pd co-catalyst Nb-doped TiO₂ materials for H₂ photo-production under UV and Visible light illumination

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Graphical Abstract



Highlights

- Pt-Pd cocatalyst(s) tested under UV and Visible light hydrogen photo-production
- Analysis of activity by means of the true quantum efficiency
- Pt:Pd 1:1 optimizes activity under all illumination conditions tested
- Bimetallic cocatalysts evolve under reaction conditions
- Activity depends critically on PtPd alloying and metal-support interface properties

Abstract

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