

# CUO LOADED SRTIO3 NANOPARTICLES: AN EFFICIENT PT FREE PHOTOCATALYST FOR H2 EVOLUTION FROM WATER

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## TÓM TẮT:

The photocatalytic H<sub>2</sub> evolution from water over CuO loaded SrTiO<sub>3</sub> nanoparticles has been investigated using CH<sub>3</sub>OH as a sacrificial reagent. The results show that the CuO loaded SrTiO<sub>3</sub> nanoparticles are an efficient photocatalyst with a H<sub>2</sub> evolution rate of 5.81 mmol h<sup>-1</sup>g<sup>-1</sup> under UV irradiation. Moreover, the photocatalyst is confirmed to be stable and can keep high activity for a long time.

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