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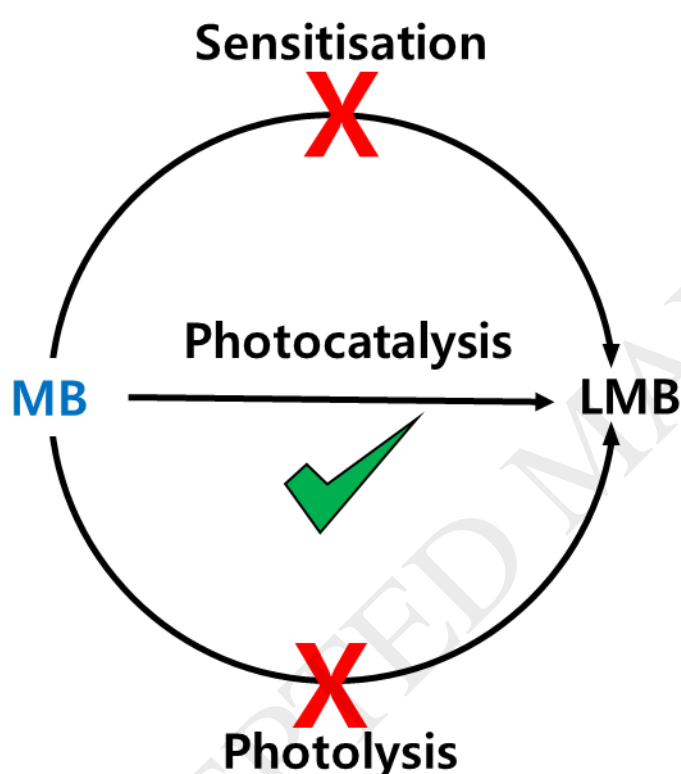
Assessing Photocatalytic Activity Using Methylene Blue without Dye Sensitisation

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Graphical abstract



Highlights

- Methylene blue is used in reductive photocatalytic reaction to probe activities of powdered semiconductors
- UV and visible photocatalysts, TiO₂ and CdS, are used as examples
- The action spectra show no signs of photosensitisation
- The action spectra match very well the diffuse reflectance spectra of the semiconductors
- Reductive photocatalysis offers a new approach to assessing photocatalytic activity

Abstract

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