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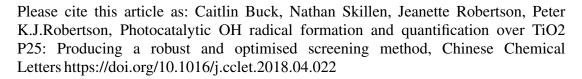
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## ACCEPTED MANUSCRIPT

### Communication

# Photocatalytic OH radical formation and quantification over TiO<sub>2</sub> P25: producing a robust and optimised screening method

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# Graphical abstract O2 Reduction (e') O2 Conduction Band (CB) Valence Band (VB) Arrest CB Oxidation (h') Optimisation Coumarin Coumar

Photocatalytic oxidation of coumarin to 7-hydroxycoumarin was used in order to identify the optimum conditions and the potential limitations of a photocatalytic screening method.

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