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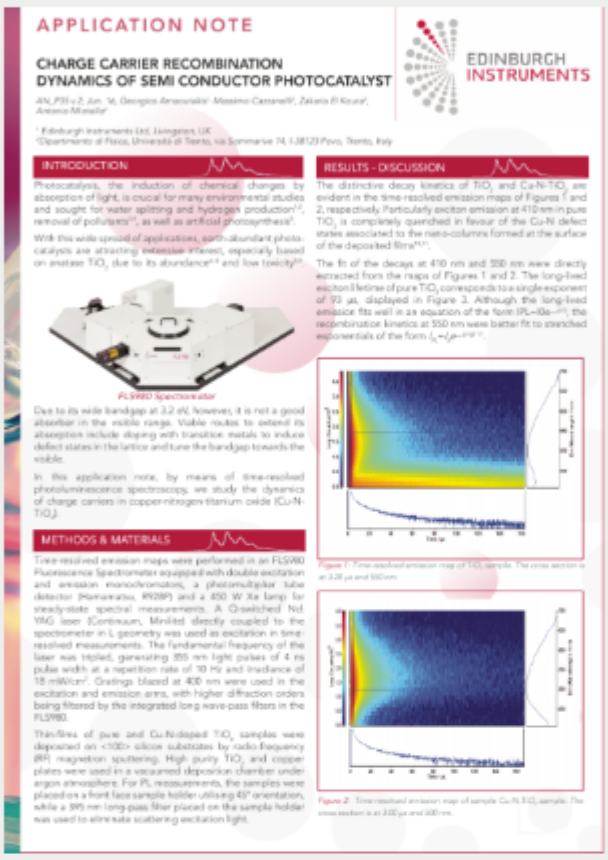
APPLICATION NOTE

CHARGE CARRIER RECOMBINATION DYNAMICS OF SEMI CONDUCTOR PHOTOCATALYST

EDINBURGH INSTRUMENTS

INTRODUCTION

RESULTS - DISCUSSION

METHODS & MATERIALS

Charge Carrier Recombination Dynamics of Semiconductor Photocatalyst

Photocatalysis, the induction of chemical changes by absorption of light, is crucial for many environmental studies and sought for water splitting and hydrogen production1,2, removal of pollutants3,4, as well as artificial photosynthesis5.

With this wide spread of applications, earth-abundant photo-catalysts are attracting extensive interest, especially based on anatase TiO2 due to its abundance6,8 and low toxicity5,9.

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