

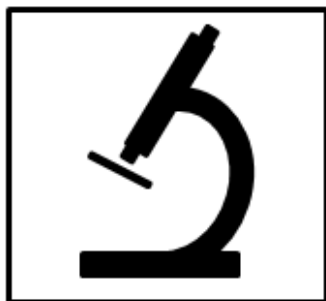
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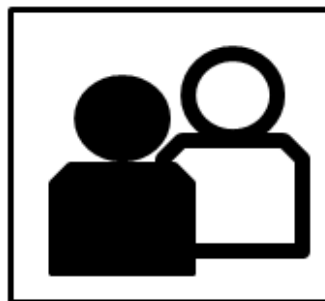
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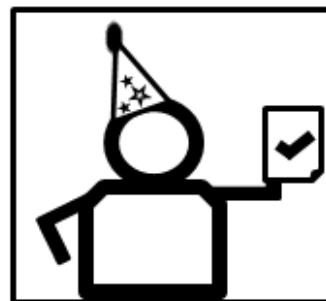
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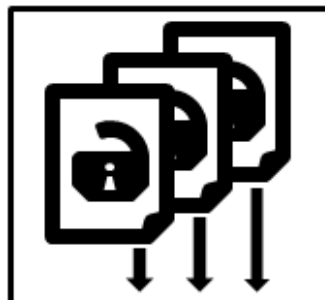
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AUTHOR'S FINAL ACCEPTED- MANUSCRIPT

- Also known as post-print
- Author's final draft, after changes from peer-review have been incorporated
- Usually a Word/text document
- No publisher formatting (logos, header, footer, pagination, etc.)

Ambient temperature hydrocarbon selective catalytic reduction of NO_x using atmospheric pressure non-thermal plasma activation of a Ag/Al₂O₃ catalyst

Cristina E. Stere¹, Wameedh Adress², Robbie Burch¹, Sarayute Chansai¹, Alexandre Goguet, William G. Graham*², Fabio De Rosa^{1,3}, Vincenzo Palma³ and Christopher Hardacre*¹

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Abstract

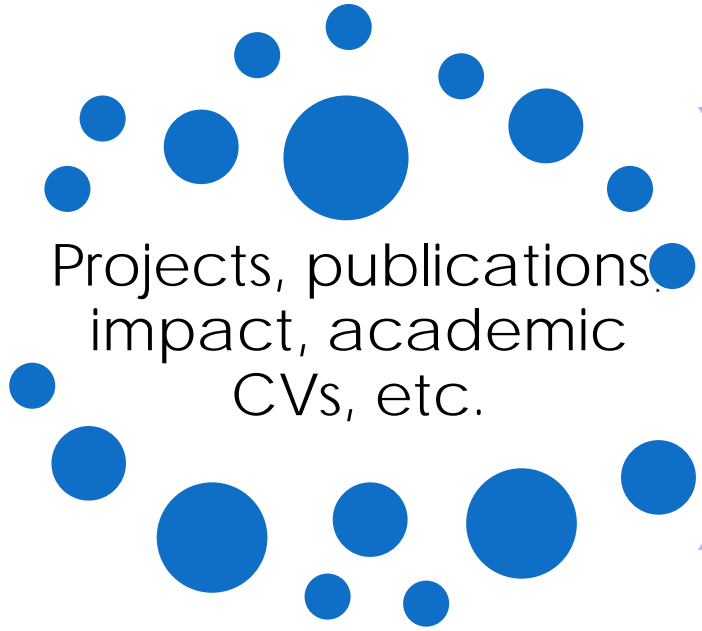
Atmospheric pressure non-thermal plasma activated catalysis for the removal of NO_x using hydrocarbon selective catalytic reduction has been studied utilising toluene and *n*-octane as the hydrocarbon reductant. When the plasma was combined with an Ag/Al₂O₃ catalyst a strong enhancement in activity was observed when compared with conventional thermal activation with high conversions of both NO_x and hydrocarbons obtained at temperature ≤250 °C, where the silver catalyst is normally inactive. Importantly, in the absence of an external heat source, significant activity was obtained at 25 °C. This low temperature activity provides the basis for applying non thermal plasmas to activate emission

FURTHER GUIDANCE: EVIDENCE OF ACCEPTANCE

- HEFCE have indicated that they will not check 100% of submissions for compliance—will likely rely on spot checking.
- What will Research & Enterprise require as evidence of acceptance?
 - May begin to require authors to upload proof of acceptance
- Further guidance and system updates to come pre-2016
- In the mean time: start good habits and deposit your papers to Pure on acceptance

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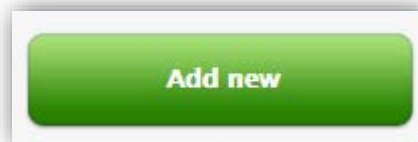
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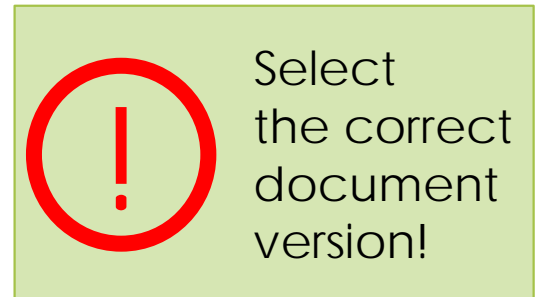
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The screenshot shows a user profile for Chris Elliott at QUB. The profile includes a photo, contact information (email: chris.elliott@qub.ac.uk, phone: +44 (0)28 9097 6549), and media contact details (email: comms.office@qub.ac.uk, phone: +44(0)2890 973091). Below the profile is a list of publications from 2014, sorted by publication year. The list includes titles such as 'Estrogenic endocrine disruptors present in sports supplements. A risk assessment for human health' and 'Effects of the mycotoxin patulin at the level of nuclear receptor transcriptional activity and steroidogenesis in vitro'. Each entry includes the authors, journal name, date, and page numbers, along with a 'Published' status icon.

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