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Citation for final published version:


Publishers page: http://dx.doi.org/10.1002/cphc.201701202
<http://dx.doi.org/10.1002/cphc.201701202>

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A kinetic study of methane partial oxidation over FeZSM-5 using N\textsubscript{2}O as an oxidant

Ying Kit Chow\textsuperscript{a}, Nicholas F. Dummer\textsuperscript{a}*, James H. Carter\textsuperscript{a}, Randall J. Meyer\textsuperscript{b}, Robert D. Armstrong\textsuperscript{a}, Christopher Williams\textsuperscript{a}, Greg Shaw\textsuperscript{a}, Sara Yacob\textsuperscript{b}, Madan M. Bhasin\textsuperscript{c}, David J. Willock\textsuperscript{a}, Stuart H. Taylor\textsuperscript{a}, and Graham J. Hutchings\textsuperscript{a}*

\textsuperscript{a} Cardiff Catalysis Institute, School of chemistry, Cardiff University, Main Building, Park Place, Cardiff, CF10 3AT, UK.

\textsuperscript{b} ExxonMobil Research and Engineering, Corporate Strategic Research, Annandale, NJ 08801, USA

\textsuperscript{c} Innovative Catalytic Solutions, LLC, Charleston, WV, 25314, USA.

* Corresponding author emails: dummernf@cardiff.ac.uk and hutch@cardiff.ac.uk
Fig. S1. First rank (a), second rank (b) and third rank (c) delplots of minor products taken from data collected over a series of experiments using different masses of 2 % Fe-ZSM-5 at 300 °C; (∆) CH$_3$OH, (★) C$_2$H$_6$ and (×) C$_2$H$_4$. 
Fig S2. First rank (a), second rank (b) and third rank (c) delplots of minor products taken from data collected over a series of experiments using different masses of 2 % Fe-ZSM-5 at 300 °C with water in the feed; (×) C₂H₆.
Fig. S3 N\textsubscript{2} adsorption isotherms (A) and BET surface area plots (B) for: (i) H-ZSM-5, (ii) Fe-ZSM-5, (iii) Fe-ZSM-5-20\% and (iv) Fe-ZSM-5-0\% following testing at 300 °C for 3 h.