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Pyrolysis oil upgrading to transportation fuels by catalytic hydrotreatment

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List of Publications

Oral presentations:

Wildschut, J.; Mahfud, F.H.; Heeres, H.J. Novel Hydrotreating Catalysts for Upgrading Fast-Pyrolysis Oil. Proceedings of the 8th Netherlands' Catalysis and Chemistry Conference 2007, Noordwijkerhout (The Netherlands), 5-7 March 2007.

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Wildschut, J.; Arendz, J.; Rasrendra, C.B.; Venderbosch, R.H.; Heeres, H.J. Upgrading Fast Pyrolysis Oil: Hydrogenation of Sugar Fraction Molecules from Pyrolysis Oil using Ru/C Catalysts. Proceedings of the 10th Netherlands' Catalysis and Chemistry Conference 2009, Noordwijkerhout (The Netherlands), 2-4 March 2008.

Wildschut, J.; Heeres, H.J. Hydrodeoxygenation of Pyrolysis Oil: a Model Compound Study. Proceedings of the 18th International conference on Chemical Reactors, Bugibba (Malta), 29 September- 3 October 2008.

Poster presentations:

Wildschut, J.; Mahfud, F.H.; Melian Cabrera, I.V.; Heeres, H.J. Synthesis and Characterization of Hydro-deoxygenated Pyrolysis-oils. Proceedings of the 7th Netherlands' Catalysis and Chemistry Conference 2006, Noordwijkerhout (The Netherlands), 6-8 March 2006.

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Marsman, J.H.; Wildschut, J.; Mahfud, F.H.; Heeres, H.J. Identification of Components in Fast Pyrolysis Oil and Upgraded Products by Comprehensive Two-Dimensional Gas Chromatography and Flame Ionisation Detection. *J. Chrom. A.* **2007**, 1150, 21.

Marsman, J.H.; Wildschut, J.; Evers, P.; Koning, S.; Heeres, H.J. Analysis and Characterisation of Flash Pyrolysis oil by Two-Dimensional Gas Chromatography and Time of Flight Mass Spectrometry. *Chromatogr. A.* **2008**, 1188, 17.

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Wildschut, J.; Mahfud, F.H.; Venderbosch, R.H.; Heeres, H. J. Hydrotreatment of Fast Pyrolysis oil using Heterogeneous Noble Metal Catalysts. *Ind. Eng. Chem. Res.* **2009**, Accepted for Publication.

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