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Liquefaction of humins from C6-sugar conversions using heterogeneous catalysts

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9. List of Publications

1. **Wang Y**, Agarwal S, Kloekhorst A, Heeres HJ. Catalytic Hydro-treatment of Humins in Mixtures of Formic Acid/2-Propanol with Supported Ruthenium Catalysts. *ChemSusChem*. 2016; 9(9): 951-961.
2. Rasrendra CB, Windt M, **Wang Y**, Adisasmito S, Makertihartha IGBN, van Eck ERH, Meier D, Heeres HJ. Experimental Studies On the Pyrolysis of Humins From the Acid-Catalysed Dehydration of C₆-sugars. *Journal of Analytical and Applied Pyrolysis*. 2013; 104: 299-307.
3. van Zandvoort I, **Wang Y**, Rasrendra CB, van Eck ERH, Bruijninx PCA, Heeres HJ, Weckhuysen BM. Formation, Molecular Structure, and Morphology of Humins in Biomass Conversion: Influence of Feedstock and Processing Conditions. *ChemSusChem*. 2013; 6(9): 1745-1758.
4. **Wang Y**, Agarwal S, Heeres HJ. Catalytic Liquefaction of Humin Substances From Sugar Biorefineries with Pt/C in 2-Propanol. *ACS Sustainable Chemistry & Engineering*. 2017; 5 (1): 469–480.
5. **Wang Y**, Agarwal S, Tang Z, Heeres HJ. Exploratory catalyst screening studies on the liquefaction of artificial humins from C₆ sugars to low molecular weight compounds in isopropanol. *RSC Advances*. 2017; 7: 5136-5147.
6. **Wang Y**, Heeres HJ. Experimental Studies on the Solvolytic Conversion of Humin-to-liquid(HtL) Fuel components with Formic Acid and 2-Propanol as Solvent. The 4th International Conference on Biorefinery--towards Bioenergy, Xiamen (China), 3-5 December 2013 (oral presentation).