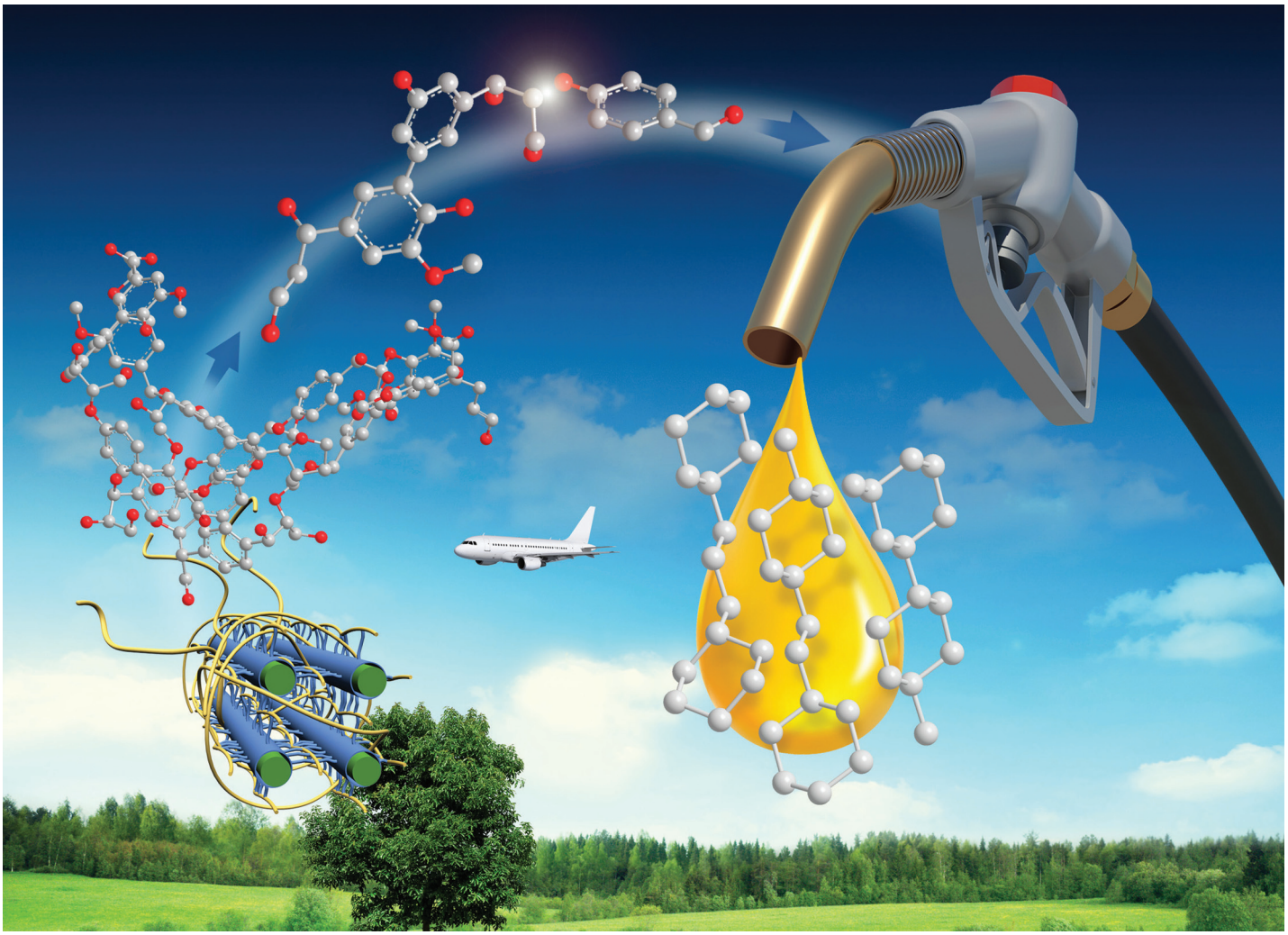
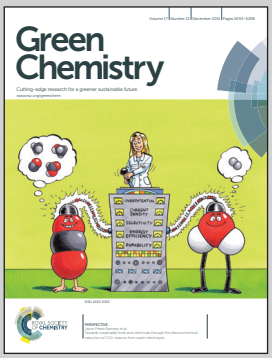


An article presented by Prof. B. Yang, Drs. J. R. Cort, H. Wang, and M. P. Tucker *et al*. of Washington State University, the Pacific Northwest National Laboratory, and the National Renewable Energy Laboratory, USA.

Title: Biomass-derived Lignin to Jet Fuel Range Hydrocarbons *via* Aqueous Phase Hydrodeoxygenation

A catalytic process, involving the hydrodeoxygenation of lignin from dilute alkali pretreated corn stover catalyzed by a noble metal catalyst and an acidic zeolite, was demonstrated to be capable of producing jet fuel range hydrocarbons (>38% carbon yield). Experimental results showed that lignin-substructure-based hydrocarbons were mainly generated through the plausible cleavage of C–O–C bonds without disrupting the C–C linkages in the lignin substructure.

As featured in:



See John R. Cort, Bin Yang *et al.* *Green Chem.*, 2015, **17**, 5131.

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