

1. Rover, M.R., Johnston, P.A., Jin, T., Smith, R.G., Jarboe, L., Brown, R. C. (2014) "Production of clean pyrolytic sugars for fermentation," *ChemSusChem.* , 7, 1662-1668.
2. Brewer, C.E., Hu, Y.-Y., Schmidt-Rohr, K., Loynachan, T.E., Laird, D.A. Brown, R.C. (2012) "Influence of extent of pyrolysis on corn stover fast pyrolysis biochar and soil properties," *Soil Biology & Biochemistry*, 41 1115-1122.
3. Rover, M., Hall, P., Johnston, P., Smith, R., Brown R. (2015), Stabilization of bio-oils using low temperature, low pressure hydrogenation, *Fuel*, doi10.1016/j.fuel.2015.02.054
4. Rover, M., Johnston, P., Whitmer, L., Smith, R., Brown R. (2014), The effect of pyrolysis temperature on recovery of bio-oil as distinctive stage fractions, *Journal of Analytical and Applied Pyrolysis*, doi: 10.1016/j.jaat.2013.11.012
5. Elliott, D.C., Wang, H., Whitmer, L.E., Rover, M.R., Smith, R.G., Brown, R.C. (2014), Hydrocarbon liquid production via catalytic hydroprocessing of phenolic oils fractionated from fast pyrolysis of red oak and corn stover, *ACS Sustainable Chemistry & Engineering*, doi: 10.1021/acssuschemeng.5b00015
6. Santhanaraj, D., Rover, M.R., Resasco, D.E., Brown, R.C., Crossley, S. (2014), Gluconic Acid from Biomass Fast Pyrolysis Oils: Specialty Chemicals from the Thermochemical Conversion of Biomass, *ChemSusChem*, 7(11), doi:10.1002/cssc.201402431
7. Zhang, Y., Brown, T. R., Hu, G., Brown, R. C. (2013) Techno-economic analysis of fast pyrolysis and upgrading facilities employing two upgrading pathways, *Chemical Engineering Journal* 225, 895-904.
8. Zhang, Y., Brown, T. R., Brown, R. C., Hu, G. (2012) Technoeconomic analysis of monosaccharide production via biomass fast pyrolysis, *Bioresource Technology* 127, 358-365.
9. Pollard, A. S., Rover, M. R., and Brown, R. C. (2012) Characterization of bio-oil recovered as stage fractions with unique chemical and physical characteristics, *Journal of Analytical and Applied Pyrolysis* 93, 129-138.
10. Brown, T. R., Wright, M. M. and Brown, R. C. (2011), Estimating profitability of two biochar production scenarios: slow pyrolysis vs fast pyrolysis. *Biofuels, Bioproducts and Biorefining*, 5: 54–68. doi: 10.1002/bbb.254.
11. Wright, M. M., Daugaard, D. E., Satrio, J. A., Brown, R. C. (2010) Techno-economic analysis of biomass fast pyrolysis to transportation fuels, *Fuel* 89, Supplement 1, S2-S10.
12. Anex, R. P., Aden, A., Kazi, F. K., Fortman, J., Swanson, R. M., Wright, M. M., Satrio, J. A., Brown, R. C., Daugaard, D. E., Platon, A., Kothandaraman, G., Hsu, D. D., Dutta, A. (2010) Technoeconomic comparison of biomass-to-transportation fuels via pyrolysis, gasification, and biochemical pathways, *Fuel* 89, Supplement 1, S29-S35.
13. D.A. Laird, Brown, R.C., Amonette, J.E., Lehmann J. (2009) Review of the Pyrolysis Platform for Producing Bio-oil and Biochar: Technology, Logistics and Potential Impacts on Greenhouse Gas Emissions, Water Quality, Soil Quality and Agricultural Productivity. *Biofuels, Bioproducts, and Biorefining* 3, 547–562.
14. Brown, R C., "Biochar Production Technology," in *Biochar for Environmental Management: Science and Technology*, Lehmann, J. and Joseph, S., Eds., Earthscan Ltd., London, 2009.
15. Wright, M. and Brown, R. C. (2007) Comparative economics of biorefineries based on the biochemical and thermochemical platforms, *Biofuels, Bioprocessing, and Biorefineries* 1, 49-56.