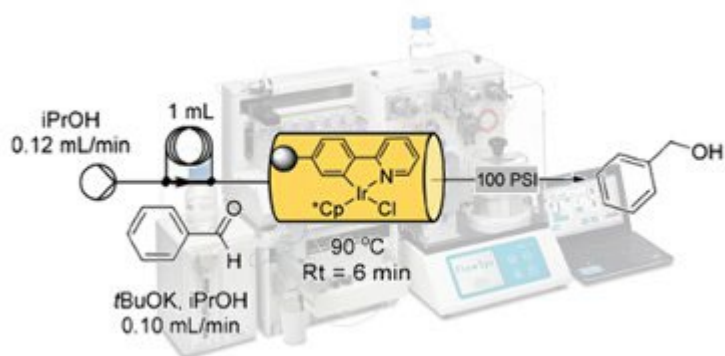


## Publication 53: Automated Hydrogen Transfer in Flow using a Monolithic Iridium Catalyst



An immobilised monolithic iridium hydrogen transfer catalyst has been developed for use in flow based processing. The monolithic construct has been used for several redox reductions demonstrating excellent recyclability, good turnover numbers and high chemical stability giving negligible metal leaching over extended periods of use.

A FlowSyn Auto-LF system was employed to automatically process a library of 40 aldehydes and ketones.

[Maria Victoria Rojo,\\* a Lucie Guetzoyana and Ian. R. Baxendale Org. Biomol. Chem., 2015, 13, 1768](#)