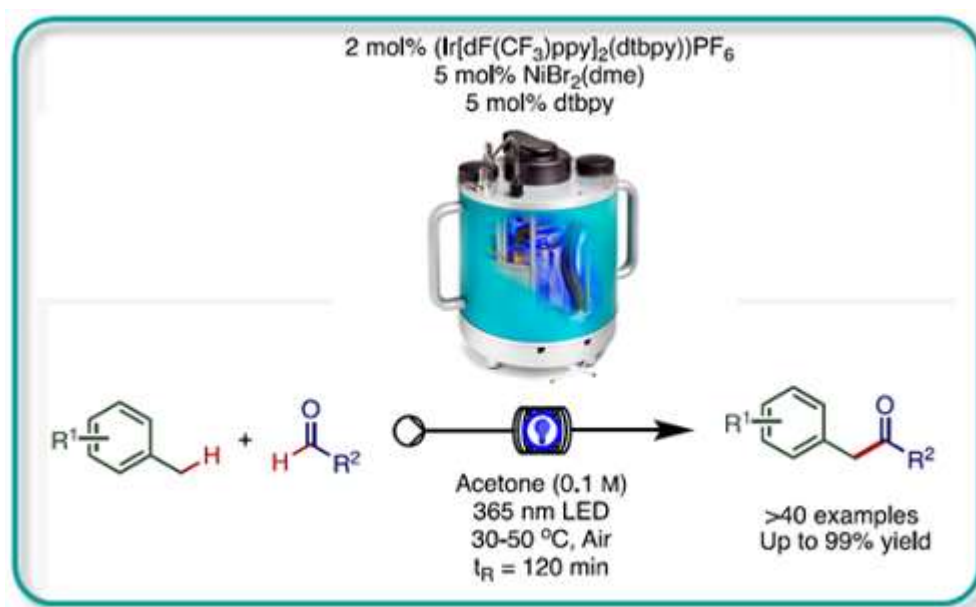


## Publication 76: Improved Photocatalysed Csp2-Csp3 Cross-coupling of Alkylarenes to Aldehydes under Continuous Flow Conditions



Executing the photoredox-catalysed cross-coupling of alkylarenes with aldehydes under continuous flow conditions was demonstrated to improve yields, reduce reaction times and improve throughput.

It was possible to recycle the iridium photocatalyst several times without a significant reduction in efficacy.

A throughput in excess of 10g in an 8 hour period was achieved using the Asynt PhotoSyn high-power 365nm light source.

[O. M. Griffiths, H. A. Esteves, Y. Chen, K. Sowa, O. S. May, P. Morse, D. C. Blakemore, and S. V. Ley, J. Org. Chem. 2021, 86, 13559-13571](#)