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α -methylstyrene reduction				
One side of the reactor filled with $1:1 \alpha$ -methylstyrene and toluene, and air passed through the top half against ~ 10 hPa back pressure to stabilise the gas/liquid interface.				
After priming, the liquid flow was stopped and the gas flow was changed to hydrogen at 10ml/hour. After the reaction time, the liquid phase was extracted (250μ l was collected including the 100μ l from reactor region)				
The conversion figure for the microreactor experiments allows for the 2.5:1 dilution obtained during extraction.				
Method	Catalyst	Time (hours)	Conversion %	
Microreactor	Pt/Al ₂ O ₃ on wall (liquid side)	2	17	
Microreactor	Pt on mesh	2	53	
Agitated flask	Powdered platinum black	6	45	
a scipher company				





