

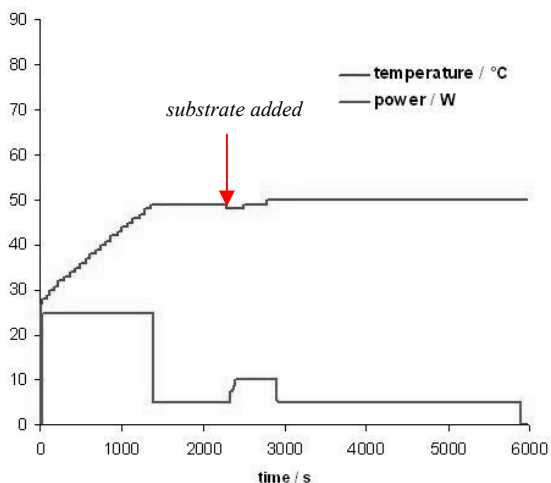
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# Probing the effects of microwave irradiation on enzyme-catalysed organic transformations: The case of lipase-catalysed transesterification reactions

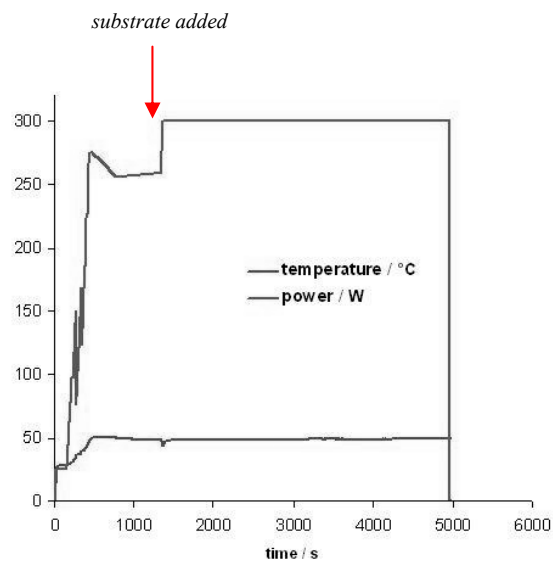
Nicholas E. Leadbeater, Lauren M. Stencel and Eric C. Wood

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## Heating profiles for reactions

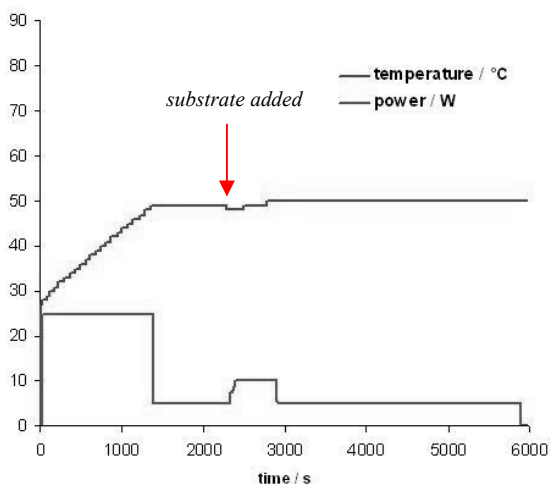


10 Power and temperature vs time profiles for the lipase catalysed transesterification between methylacetoacetate and *n*-propanol at 50 °C with no cooling



25 Power and temperature vs time profiles for the lipase catalysed transesterification between methylacetoacetate and *n*-propanol at 50 °C with cryogenic fluid cooling

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20 Power and temperature vs time profiles for the lipase catalysed transesterification between methylacetoacetate and *n*-propanol at 50 °C with air cooling