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> Welcome to the Autumn 2024 issue of FullFlow, the flow chemistry newsletter from Vapourtec, a must-read for all scientists interested in

using the Vapourtec flow chemistry systems, and upcoming events.

Read on to find out the latest product news, new publications

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FULL*FLOW* Autumn Newsletter

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**Product News** Electronically adjustable Back Pressure Regulator

continuous processing applications and technology.



The Vapourtec eBPR is an electronically adjustable back pressure regulator designed for precision and versatility in flow chemistry applications. It controls pressures from 0.5 to 20 bar, without the need for an external reference gas pressure. Made with only PTFE and PFA wetted parts to ensure chemical compatibility, it allows precise pressure control over a range of working fluid temperatures up 100 **Learn More** 



4-iodotoluene (25 mol%) NMe<sub>4</sub>PF<sub>6</sub> (5 mol%) HFIP/MeCN (2:1, 0.1 M) Gr(+)/Gr(-), 2 mA/cm<sup>2</sup> (3 F) t<sub>R</sub> = 12 mins Professor Thomas Wirth School of Chemistry, Cardiff University

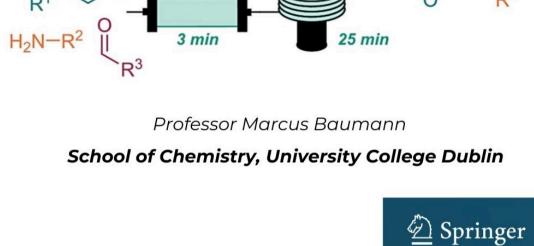
including mono- and dichlorination, as well as chlorocyclisation. The use of the Vapourtec Ion electrochemical reactor circumvented several problems and allowed chlorination of a range of substrates in excellent yield and reproducibility. **Learn More** 

Vapourtec Ion

electrochemical reactor



**Learn More New Springer paper:** Novel 3-component Staudinger reaction synthesises



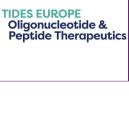
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**Lab Innovations** 



INNOVATIONS

11th - 12th November 2024 Oxford – UK **Attending - CEO Duncan Guthrie and Chemistry** Sales Specialist Harold Rupapa Find out more >>>



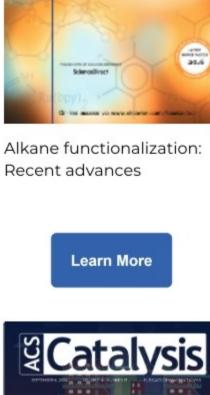
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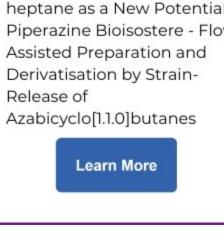
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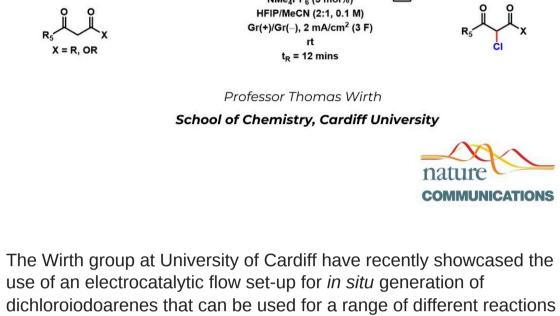
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Compact UV detector for flow peptide synthesis o vapourtec o Fmoc-UV • Mains Power • Comms

Latest News **New Nature Communications paper:** Electrocatalytic continuous flow chlorinations with iodine(I/III) mediators



Peptide-ExplorerLT installed at Bachem



β-lactams in excellent yield

Researchers from the Baumann group at University College Dublin have developed a novel three-component Staudinger reaction in continuous flow, synthesizing  $\beta$ -lactams with remarkable efficiency. Using Vapourtec's E-Series system and UV-150 photochemical reactor, they combined imine formation and ketene generation in a telescoped process.

> 30th - 31st October 2024 NEC Birmingham- UK **Attending - CSO Manuel Nuño and Chemistry Sales**

**Automated Synthesis Forum** 

**Specialist Harold Rupapa** 

Find out more >>>



12th - 14th November 2024 Hamburg – Germany **Attending - CSO Manuel Nuño and Research** scientist Victoire Laude Find out more >>>

19th November 2024

London – UK

publications citing Vapourtec, click here

**Challenges in Catalysis VIII** 

**Attending - CSO Manuel Nuño** 

**Tides** 

where science meets business

Chem Soc Rev COORDINATION CHEMISTRY REVIEWS named by Pollar & R.P. Lawre



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