vapourtec
precision flow chemistry

FULLFLOW

Winter 2023 Newsletter

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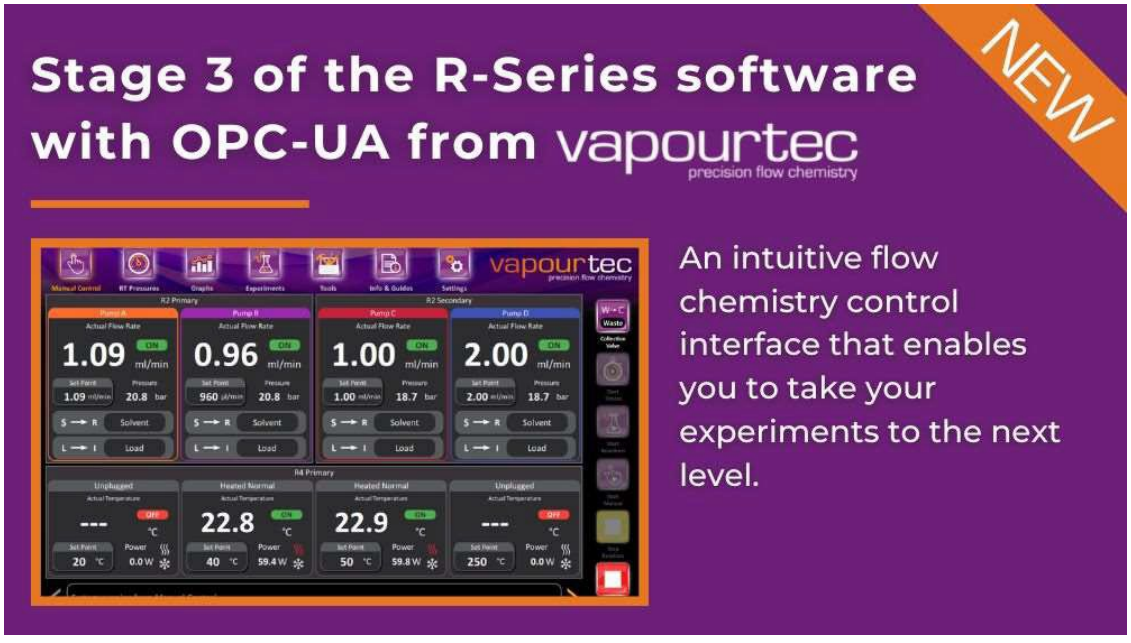
Welcome to the Winter 2023 issue of FullFlow, the flow chemistry newsletter from Vapourtec, a must-read for all scientists interested in continuous processing applications and technology.
Read on to find out the latest product news, new publications using the Vapourtec flow chemistry systems and upcoming events.

Product News

Vapourtec launch innovative Stage 3 R-Series software with OPC-UA

Introducing stage 3 of the R-Series software-a revolutionary new product launch that is at the forefront of technological advancements in the flow chemistry industry. This software package offers an unmatched combination of performance and automation features, while providing you with the flexibility to customize it to any existing application.



Key features

- Run automated reactions configured with up to 8 pumps
- Stand-alone pumps can be easily included in automated reactions
- Pump options now include a continuous syringe pump
- Gases can be added to automated processes using mass flow controllers
- Includes advanced support for in-line analytical tools
- Optional OPC-UA interface enabling seamless laboratory automation

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Latest News

Pilot scale developments from Vapourtec

FASTER | SCALABLE | MORE EFFICIENT

Following on from the success of the R-Series and E-Series lab scale flow chemistry systems, Vapourtec is excited to announce its move into the development of larger-scale equipment.

Vapourtec has been manufacturing laboratory scale flow chemistry systems for 16 years, Vapourtec has over 500 important customers and our systems have been cited in more than 900 peer reviewed publications. Once our customers have discovered their reactions work well at lab scale, and obtained valuable kinetic data, the next stages are to implement at pilot and then production scales. The decision to move into large scale synthesis has been driven by requests from many of our customers.

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Events

ACS Spring 2023 - Crossroads in Chemistry

26th - 30th March 2023

Indianapolis - USA

The event is the biannual national meeting of the American Chemical Society (ACS). It aims to allow chemistry professionals to share ideas and advance scientific and technical knowledge. It will attract thousands of chemical professionals and provide participants with opportunities for sharing their passion for chemistry, connect with the scientific society, and advance their career.

The theme "Crossroads of Chemistry" will be at the core of programming. It will also explore where the field of Chemistry has been, where we are now, and where we are heading-in terms of scientific discovery, societal impact, and diversity and inclusion in the practice of chemistry.

Find out more>>>

Flow Chemistry European Summit 2023

27th - 28th March 2023

Rotterdam - The Netherlands

SelectBIO is pleased to welcome all to the Flow Chemistry European Summit 2023 to be held at the Hilton Rotterdam - Rotterdam, The Netherlands.
This conference brings together researchers from academia and industry from across Europe, Africa, US, and the Rest of the World, and addresses the timeliest topics in this expanding field.
Running alongside the conference is an exhibition featuring companies showcasing their technologies and product offerings in this space and is an excellent opportunity to engage and network.

Find out more >>>

Publications

Selected publication highlights since the Autumn edition of the FlowFlow newsletter.

To view all publications citing Vapourtec, click here.

Consecutive Photochemical Reactions Enabled by a Dual Flow Reactor Coil Strategy

aRuairi Crawford, Mara Di Filippo, bDuncan Guthrie, Marcus Beaumann

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bvapourtec Ltd. Park Farm Business Centre, Farnham St Genevieve, Bury St Edmunds, Suffolk IP28 6TS, U.K.

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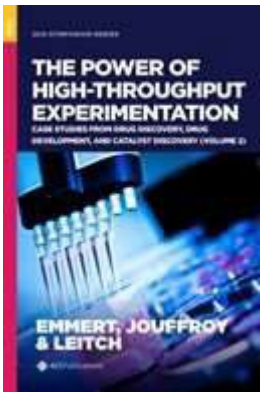

Application of High Throughput Chemistry to Medicinal Chemistry

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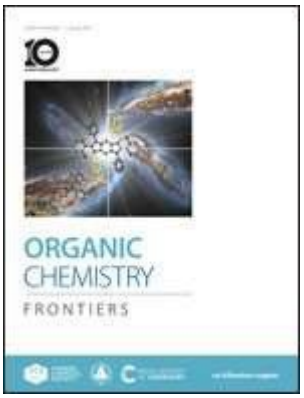

Exploring Visible Light for Carbon-Nitrogen and Carbon-Oxygen Bond Formation via Nickel Catalysis

[8]Shengqing Zhu, aHuan Li, aYingying Li, azhonghou Huang, alingling Chu

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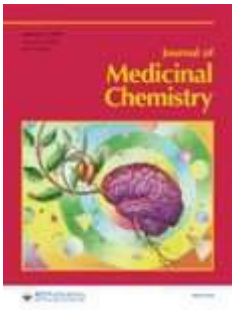

End-to-End Automated Synthesis of C(sp3)- Enriched Drug-like Molecules via Negishi Coupling and Novel, Automated Liquid-Liquid Extraction

alrini Abdiaj, Santiago Canellas, aAlejandro Dieguez, aMaria Lourdes Linares, aBrenda Pijper, aAlberto Fontana,aRaquel Rodriguez, aAndres Trabanco, [8]Eduardo Palao,a Jesus Alcazar*

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Development of an automated platform for C(sp3)-C(sp3) bond formation via XAT chemistry

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Synthesis of Picramide Using Nitration and Ammonolysis in Continuous Flow

aAnkit Kumar Mittal, aGaurav Prakash, aPramod Pathak, aDebabrata Maiti

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