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FLOW CHEMISTRY

Volume 1 Fundamentals

Volume 2 Applications

The textbook constitutes an updating of the highly successful first edition of Flow Chemistry. It recognises the worldwide uptake of continuous flow technologies and its impact on modern synthesis programs. The two volumes take the reader through the fundamentals and equipment availability to the principles of reaction design, control and analysis and on to aspects downstream processing towards a wide range of applications leading to a future vision for the area. The work is suitable for both those new to Flow Chemistry and also for those wishing to gain further expertise while advancing their skillset. The aim is to inspire new synthesis practices for the betterment of all who are involved in the assembly of our functional materials.

Volume 1 covers the theoretical foundation and unique features of flow chemistry.

Volume 2 provides an introduction and practical guide to the contemporary flow technology applications.

Both volumes are designed for students and beginners in chemistry and chemical engineering and written by experts and practitioners in the area of various flow chemistry fields.



Dr. Ferenc Darvas is an Associate professor at the Florida International University in Miami, with vast experience in flow chemistry, presently focusing on space chemistry research. Founder and President of the Flow Chemistry Society.



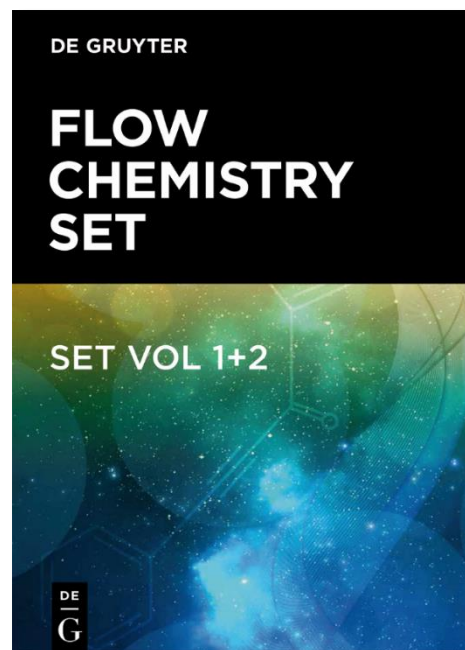
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Volker Hessel studied chemistry at Mainz University/D and is Deputy Dean (Research) and Professor at the University of Adelaide/AUS. He develops continuous-flow process concepts as well as their applications and sustainability assessment.



Prof. Steven V. Ley is a professor of chemistry at the University of Cambridge (UK) with 50 years of experience in synthetic organic chemistry. Current research interests are in Flow Chemistry and greater sustainability through machine enabled processes.



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