

1. Record Nr.	UNINA9910554241003321
Titolo	Flow chemistry . Volume 2 : applications // Ferenc Darvas [and three others], editors
Pubbl/distr/stampa	Berlin, Germany : , : Walter de Gruyter GmbH, , [2021] ©2021
ISBN	3-11-069369-0
Edizione	[2. rev. and exten. edition]
Descrizione fisica	1 online resource (XVI, 360 p.)
Collana	De Gruyter Textbook ; ; Volume 2
Disciplina	660.28
Soggetti	Chemical processes Chemistry Flow chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontmatter -- Preface -- Acknowledgments -- Contents -- About the editors -- Contributing authors -- 1 Photochemical transformations in continuous-flow reactors -- 2 Electrochemical processes in flow -- 3 Continuous flow methods for synthesis of functional materials -- 4 Polymer synthesis in continuous flow -- 5 Flow chemistry for nanotechnology -- 6 From green chemistry principles to sustainable flow chemistry -- 7 Flow chemistry in fine chemical production -- 8 Scale-up of flow chemistry system -- 9 Exothermic advanced manufacturing techniques in reactor engineering: 3D printing applications in flow chemistry -- 10 Continuous-flow biocatalysis with enzymes and cells -- 11 Outlook, future directions, and emerging applications -- Answers to the study questions -- Index
Sommario/riassunto	The fully up-dated edition of the two-volume work covers both the theoretical foundation as well as the practical aspects. A strong insight in driving a chemical reaction is crucial for a deeper understanding of new potential technologies. New procedures for warranty of safety and green principles are discussed. Vol. 1: Applications.