

1. Record Nr.	UNINA9910466413903321
Autore	Klemeš Jiří Jaromír
Titolo	Sustainable process integration and intensification : saving energy, water and resources / / Jiri Jaromir Klemes [and three others]
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter, , [2018] ©2018
ISBN	3-11-053554-8 3-11-053536-X
Edizione	[Second edition.]
Descrizione fisica	1 online resource (324 pages)
Collana	De Gruyter Textbook
Disciplina	363.7
Soggetti	Environmental sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Preface to the 2nd edition -- Preface -- Contents -- 1. Process Integration and Intensification: An Introduction -- 2. Setting energy targets and Heat Integration -- 3. Synthesis of Heat Exchanger Networks -- 4. Total Site Integration -- 5. An Integrated Pinch Analysis Framework for Low CO2 Industrial Site Planning -- 6. Introduction to Water Pinch Analysis -- 7. Setting the maximum water recovery targets -- 8. Water network design/retrofit -- 9. Design of Cost-Effective Minimum Water Network (CEMWN) -- 10. Conclusions and sources of further information -- Index