

1. Record Nr.	UNINA9910139029603321
Autore	Kiss Anton Alexandru
Titolo	Advanced distillation technologies [[electronic resource]] : design, control and applications // Anton Alexandru Kiss
Pubbl/distr/stampa	Chichester [England], : Wiley, 2013
ISBN	1-5231-1003-1 1-118-54370-X 1-118-54481-1 1-299-40257-7 1-118-54367-X
Descrizione fisica	1 online resource (415 p.)
Classificazione	SCI013060
Disciplina	542/.4
Soggetti	Distillation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basic concepts in distillation -- Design, control, and economics of distillation -- Dividing-wall column -- Optimal operation and control of DWC -- Advanced control strategies for DWC -- Applications of dividing-wall columns -- Heat pump assisted distillation -- Heat-integrated distillation column -- Cyclic distillation -- Reactive distillation.
Sommario/riassunto	"Covers the background, recent developments, fundamental principles, design and simulation, detailed cases of separations in DWC, and future trends"--

2. Record Nr.	UNINA9910688326503321
Autore	Pletser Vladimir
Titolo	Preparation of Space Experiments
Pubbl/distr/stampa	London : , : IntechOpen, , 2020 ©2020
Edizione	[1st ed.]
Descrizione fisica	1 online resource (246 pages)
Disciplina	629.4
Soggetti	Space flight
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This book explains how researchers design, prepare, develop, test and fly their science experiments on microgravity platforms before sending them to space. All preparation phases are explained and presented, including aircraft parabolic flights as part of spaceflight preparation. Twenty international authors, all experts in their own microgravity research field, contribute to chapters describing their experience to prepare experiments before space flights. Fields covered are Physical Sciences and Life Sciences. Physical Sciences covers fluid physics (vibration effects on diffusion; red blood cell dynamics; cavitation in microgravity; capillary driven flows) and material sciences (electromagnetic levitator onboard International Space Station). Life Sciences includes human physiology (sampling earlobe blood; human cardiovascular experiments; tumours in space) and neurophysiology (dexterous manipulation of objects in weightlessness).</p>