

1. Record Nr.	UNINA9910781793303321
Autore	Kislik Vladimir S
Titolo	Solvent extraction [[electronic resource]] : classical and novel approaches // Vladimir S. Kislik
Pubbl/distr/stampa	Amsterdam, : Elsevier, 2012
ISBN	1-280-58253-7 9786613612311 0-444-53779-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (573 p.)
Disciplina	660.2 660.284248
Soggetti	Solvent extraction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Conventional (classical) principles and practice of solvent extraction -- pt. 2. Novel competitive complexation/solvation theory (CCST) of solvent extraction : principles and practice -- pt. 3. Modern and future trends in fundamentals and applications of solvent extraction.
Sommario/riassunto	The main challenge in modern solvent extraction separation is that most techniques are mainly empirical, specific and particular for narrow fields of practice and require a large degree of experimentation. This concise and modern book provides a complete overview of both solvent extraction separation techniques and the novel and unified competitive complexation/solvation theory. This novel and unified technique presented in the book provides a key for a preliminary quantitative prediction of suitable extraction systems without experimentation, thus saving researchers time and resources.