

1. Record Nr.	UNINA9910739402603321
Autore	Mikhelson Konstantin N
Titolo	Ion-selective electrodes // Konstantin N. Mikhelson
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	3-642-36886-7
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (x, 162 pages) : illustrations (some color)
Collana	Lectures notes in chemistry ; ; v.81
Disciplina	543
Soggetti	Electrodes, Ion selective Electrochemical analysis
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	Introductory issues -- The basics of the ISEs -- Ion-selective electrode characteristics -- Ionophore-based ISEs -- Glass electrodes -- Ion-selective electrodes with crystalline membranes -- Modern trends in the ISEs theory and applications -- ISE constructions -- The basics of the routine analysis with ISEs.
Sommario/riassunto	Ion-selective electrodes (ISEs) have a wide range of applications in clinical, environmental, food and pharmaceutical analysis as well as further uses in chemistry and life sciences. Based on his profound experience as a researcher in ISEs and a course instructor, the author summarizes current knowledge for advanced teaching and training purposes with a particular focus on ionophore-based ISEs. Coverage includes the basics of measuring with ISEs, essential membrane potential theory and a comprehensive overview of the various classes of ion-selective electrodes. The principles of constructing ISEs are outlined, and the transfer of methods into routine analysis is considered. Advanced students, researchers, and practitioners will benefit from this expedient introduction.

2. Record Nr.	UNINA9910739468403321
Autore	Kumar Anoop
Titolo	Meta-analysis in Clinical Research: Principles and Procedures // by Anoop Kumar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819923700 9819923700
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (129 pages)
Disciplina	610.72
Soggetti	Pharmacology Medical sciences Drug development Biologicals Biopharmaceutics Preclinical Research Biologics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1_Introduction -- Chapter2_Systematic literature review (SLR) -- Chapter 3_Registration and software's -- Chapter 4_Quality Assessment of Studies -- Chapter 5_Extraction and Analysis of data -- Chapter 6_Models in Meta-analysis -- Chapter 7_Heterogeneity and Publications bias -- Chapter 8_Sensitivity and subgroup analysis -- Chapter 9_Meta-regression -- Chapter 10_Plots in Meta-analysis -- Chapter 11_Network Meta-analysis -- Chapter 12_Common mistakes -- Chapter 13_Challenges -- Chapter 14_Future Perspectives -- Chapter 15_Future perspectives.
Sommario/riassunto	This book provides conceptual information on the various processes involved in meta-analysis. It examines the importance of meta-analysis for the analyses of clinical data to draw a valid conclusion using suitable software. The initial sections of the book introduce meta-analysis, how to perform a systematic literature review (SLR), quality assessment of studies, extraction, and analysis of data. The subsequent section of the book contains information on advanced topics including,

meta-regression, network meta-analysis, issues, mistakes, and future perspectives. In summary, the book provides a statistical method for combining the results of different studies on the same topic and resolving conflicts among studies. This book is written with the intent to allow a wide range of readers including students, researchers, and health care professionals, including physicians, nurses, pharmacists, and paramedical, and is also helpful for a beginner who would like to do a meta-analysis.
