

1. Record Nr.	UNINA9910139886503321
Titolo	MALDI mass spectrometry for synthetic polymer analysis [[electronic resource] /] / edited by Liang Li
Pubbl/distr/stampa	Hoboken, : Wiley, 2009
ISBN	1-282-34838-8 9786612348389 0-470-56723-6 0-470-56722-8
Descrizione fisica	1 online resource (325 p.)
Collana	Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications ; ; v.175
Altri autori (Persone)	LiLiang
Disciplina	547/.70154365
Soggetti	Polymers - Spectra Matrix-assisted laser desorption-ionization
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	MALDI MASS SPECTROMETRY FOR SYNTHETIC POLYMER ANALYSIS; CONTENTS; PREFACE; CONTRIBUTORS; CHAPTER 1 OVERVIEW OF MS AND MALDI MS FOR POLYMER ANALYSIS; CHAPTER 2 IONIZATION PROCESSES AND DETECTION IN MALDI-MS OF POLYMERS; CHAPTER 3 TIME-OF-FLIGHT MASS SPECTROMETRY FOR POLYMER CHARACTERIZATION; CHAPTER 4 POLYMER ANALYSIS WITH FOURIER TRANSFORM MASS SPECTROMETRY; CHAPTER 5 TANDEM MASS SPECTROMETRY AND POLYMER ION DISSOCIATION; CHAPTER 6 CONVENTIONAL MALDI SAMPLE PREPARATION; CHAPTER 7 SOLVENT-FREE MALDI SAMPLE PREPARATION CHAPTER 8 MALDI MASS SPECTROMETRY FOR THE QUANTITATIVE DETERMINATION OF POLYMER MOLECULAR MASS DISTRIBUTION CHAPTER 9 NEW APPROACHES TO DATA REDUCTION IN MASS SPECTROMETRY; CHAPTER 10 MALDI-MS/MS FOR POLYMER STRUCTURE AND COMPOSITION ANALYSIS; CHAPTER 11 LC-MALDI MS FOR POLYMER CHARACTERIZATION; CHAPTER 12 MALDI MS APPLICATIONS FOR INDUSTRIAL POLYMERS; INDEX
Sommario/riassunto	Principles and Practices of Polymer Mass Spectrometry helps readers

acquire the skills necessary for selecting the optimal methods, handling samples, analyzing the data, and interpreting the results of the mass spectrometry of polymers. This guide describes the principles of polymer MS and best practices in polymer characterization. It discusses different approaches, including MALDI, ESI, TOF MS, and FT-MS. It provides a guide to developing appropriate sample preparation protocols for different polymers. Complete with examples of applications and experiments, this is an excellent reference for
