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Altri autori (Persone)	ChenGuodong
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Characterization of Protein Therapeutics by Mass Spectrometry: Recent Developments and Future Directions -- The Use of Mass Spectrometry to Characterize the Metabolism of Peptide Therapeutics -- Quantitative Analysis of Biologics Using Mass Spectrometry -- Maximizing Structural Information from Whole Protein Tandem Mass Spectrometry -- Disulfide Linkages of an Albumin Fusion Protein -- Detailed Structural Characterization of Monoclonal Antibodies -- Application of Protein Mass Spectrometry in Impurity and Degradant Characterization -- Mass Spectrometry Methods to Analyze Higher Order Structure of Protein Therapeutics by Chemical Footprinting -- Aglycosylations Alters Protein Conformation in Antibodies Engineered with Specific Effector Functions Using HDX-MS -- Characterizing Biotherapeutic Protein 3D Structures by Electrospray Ion-Mobility Mass Spectrometry -- Oxford University, Characterization of Assemblies of Proteins by Mass Spectrometry. .
Sommario/riassunto	Protein therapeutics' high efficacy, safety, and ability to treat life-threatening diseases such as cancer, inflammation and genetic disorders have revolutionized modern medicine. In 2012, 200 companies competed in this \$90 billion year industry. In

Characterization of Protein Therapeutics using Mass Spectrometry, expert contributors from academia and industry highlight current approaches and future trends. The book discusses mass spectrometry techniques as related to the analysis of protein therapeutics, structural identification strategies and quantitative approaches. The book also covers various studies involving characterization of process related protein drug impurities/degradants, metabolites, PTMs and higher order structures of protein therapeutics. General practitioners in pharmaceutical research, specialists in analytical sciences, and graduate students studying mass spectrometry and pharmaceutical sciences will find this book useful because of the step-by-step approaches and new strategies to solve challenging problems related to protein therapeutics research and development.
