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Titolo	Aggregation of therapeutic proteins [[electronic resource] /] / edited by Wei Wang, Christopher J. Roberts
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Descrizione fisica	1 online resource (514 p.)
Altri autori (Persone)	WangWei <1957 Mar. 10-> RobertsChristopher John <1972->
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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	AGGREGATION OF THERAPEUTIC PROTEINS; CONTENTS; PREFACE; CONTRIBUTORS; CHAPTER 1: Fundamental Structures and Behaviors of Proteins; CHAPTER 2: Protein Aggregation Pathways, Kinetics, and Thermodynamics; CHAPTER 3: Identification and Impact of Aggregation-Prone Regions in Proteins and Therapeutic Monoclonal Antibodies; CHAPTER 4: External Factors Affecting Protein Aggregation; CHAPTER 5: Experimental Detection and Characterization of Protein Aggregates; CHAPTER 6: Approaches to Control Protein Aggregation during Bulk Production CHAPTER 7: Protein Aggregation and Particle Formation: Effects of Formulation, Interfaces, and Drug Product Manufacturing OperationsCHAPTER 8: Approaches to Managing Protein Aggregation in Product Development; CHAPTER 9: Case Studies Involving Protein Aggregation; CHAPTER 10: Aggregation and Immunogenicity of Therapeutic Proteins; CHAPTER 11: Regulatory Perspective on Aggregates as a Product Quality Attribute; INDEX; color plate
Sommario/riassunto	This book gives pharmaceutical scientists an up-to-date resource on

protein aggregation and its consequences, and available methods to control or slow down the aggregation process. While significant progress has been made in the past decade, the current understanding of protein aggregation and its consequences is still immature. Prevention or even moderate inhibition of protein aggregation has been mostly experimental. The knowledge in this book can greatly help pharmaceutical scientists in the development of therapeutic proteins, and also instigate further scientific investigations in this ar