

1. Record Nr.	UNINA9910800074403321
Titolo	Chitosan-based hydrogels : functions and applications // edited by Kangde Yao. [et al.]
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2012
ISBN	0-429-10448-0 1-283-27939-8 9786613279392 1-4398-2115-1
Descrizione fisica	1 online resource (492 p.)
Altri autori (Persone)	YaoKangde
Disciplina	616.02774 660.63
Soggetti	Chitosan - Biotechnology Tissue engineering Colloids in medicine
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.
Nota di contenuto	Front Cover; Contents; Preface; Contributors; Chapter 1: From Chitin to Chitosan; Chapter 2: Chitosan Derivatives; Chapter 3: Bioactivities of Chitosan and Its Derivatives; Chapter 4: Formation of Chitosan-Based Hydrogels Network; Chapter 6: Chitosan-Based Gels for the Drug Delivery System; Chapter 8: Enzyme Immobilization on Chitosan-Based Supports; Chapter 10: Future; Back Cover
Sommario/riassunto	Due to their unique properties, chitosan-based materials have emerged as useful resources in a variety of medicines, drug controlled-release carriers, tissue engineering scaffolds, and immobilized enzymes. But many of these materials have yet to reach the commercial market. Therefore, more work must be completed to fill the gap between research and production. Exploring the state of the field, Chitosan-Based Hydrogels: Functions and Applications details the latest progress in the research and development of chitosan-based biomaterials. The book introduces the