

1. Record Nr.	UNINA9910452547003321
Titolo	Advanced drug delivery // edited by Ashim K. Mitra, Chi H. Lee, Kun Cheng
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, , 2013
ISBN	1-118-73424-6 1-118-66284-9 1-118-66283-0
Descrizione fisica	1 online resource (532 p.)
Altri autori (Persone)	ChengKun (Professor) LeeChi H (Professor) MitraAshim K. <1954->
Disciplina	615.1
Soggetti	Drug delivery systems Pharmaceutical technology Electronic books.
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	Physiological barriers in advanced drug delivery -- Solubility and stability aspects in advanced drug delivery -- The role of transporters and efflux system in drug delivery -- Biomaterials in advanced drug delivery -- Strategies of targeted delivery -- Prodrug and bioconjugation -- Nanoscale drug delivery systems -- Stimuli-responsive strategies in advanced drug delivery -- Implants -- Aptamer -- Nanofiber -- Biomimetic self-assembling nanoparticles -- Protein/peptide drug delivery -- Delivery of nucleic acids -- Delivery of vaccine -- Regulatory considerations and clinical issues in advanced drug delivery -- Advanced drug delivery in cancer therapy -- Advanced drug delivery in cardiovascular diseases -- Recent advances in ocular drug delivery -- Advanced drug delivery against sexual transmitted diseases -- Advanced drug delivery to the brain -- Cell-based therapeutics -- Biomedical applications and tissue engineering of collagen -- Molecular imaging of drug delivery.
Sommario/riassunto	Provides both fundamentals and new and emerging applications Advanced Drug Delivery brings readers fully up to date with the state of

the science, presenting the basics, formulation strategies, and therapeutic applications of advanced drug delivery. The book demonstrates how core concepts of pharmaceutical sciences, chemistry, and molecular biology can be combined and applied in order to spark novel ideas to design and develop advanced drug delivery systems for the treatment of a broad range of human diseases. Advanced Drug Delivery features contributions from
