

1. Record Nr.	UNINA9910337954903321
Titolo	Applications of Ion Exchange Materials in Biomedical Industries // edited by Inamuddin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-06082-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (232 pages)
Disciplina	543.0893
Soggetti	Pharmaceutical technology Chromatography Chemical engineering Pharmaceutical Sciences/Technology Industrial Chemistry/Chemical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Separation and Purification of Amino acids -- Ion exchange chromatography for enzyme immobilization -- Determination of morphine in urine -- Chromatographic Separation of Amino Acids -- Applications of ion exchange chromatography in pharmaceutical analysis -- Thermodynamic Kinetics and Sorption of Bovine Serum Albumin with Different Clay materials -- Sorbitol demineralization by ion exchange -- Separation and purification of nucleotides, nucleosides, purine and pyrimidine bases by ion exchange -- Separation and purification of vitamins: vitamin B1, B2, B6, C, and K1 -- Colour removal from sugar syrups.
Sommario/riassunto	This book presents the applications of ion-exchange materials in the biomedical industries. It includes topics related to the application of ion exchange chromatography in determination, extraction and separation of various compounds such as amino acids, morphine, antibiotics, nucleotides, penicillin and many more. This title is a highly valuable source of knowledge on ion-exchange materials and their applications suitable for postgraduate students and researchers but also to industrial R&D specialists in chemistry, chemical, and biochemical

technology. Additionally, this book will provide an in-depth knowledge of ion-exchange column and operations suitable for engineers and industrialists.
