Record Nr. UNINA9910787493903321 Autore Harrison Roger G. <1944-> Titolo Bioseparations science and engineering / / Roger G. Harrison [and three others] Pubbl/distr/stampa New York:,: Oxford University Press,, 2015 ©2015 **ISBN** 0-19-756276-0 0-19-021374-4 1-68015-865-1 9780195391817 0-19-021373-6 Edizione [2nd edition.] Descrizione fisica 1 online resource (577 p.) Topics in Chemical Engineering: A Series of Textbooks and Collana Monographs 660/.2842 Disciplina Soggetti Biomolecules - Separation Biochemical engineering Separation (Technology) Extraction (Chemistry) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali This edition previously issued in print: 2015. Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto Cover; Bioseparations Science and Engineering; Copyright; Dedication; Contents: Preface: 1 Introduction to Bioproducts and Bioseparations: 1.1 Instructional Objectives; 1.2 Broad Classification of Bioproducts; 1.3 Small Biomolecules; 1.3.1 Primary Metabolites; 1.3.2 Secondary Metabolites; 1.3.3 Summary of Small Biomolecules; 1.4 Macromolecules: Proteins; 1.4.1 Primary Structure; 1.4.2 Secondary Structure; 1.4.3 Tertiary Structure; Example 1.1 Effect of a Reducing Agent on Protein Structure and Mobility: 1.4.4 Quaternary Structure: 1.4.5 Prosthetic Groups and Hybrid Molecules 1.4.6 Functions and Commercial Uses of Proteins1.4.7 Stability of Proteins; 1.4.8 Recombinant Protein Expression; 1.5 Macromolecules: Nucleic Acids and Oligonucleotides; 1.6 Macromolecules: Polysaccharides; 1.7 Particulate Products; 1.8 Introduction to

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Sommario/riassunto

An updated edition of a comprehensive and authoritative chemical engineering textbook on bioseparations science, updated to include new information on topics like moment analysis, chromatography, and evaporation.