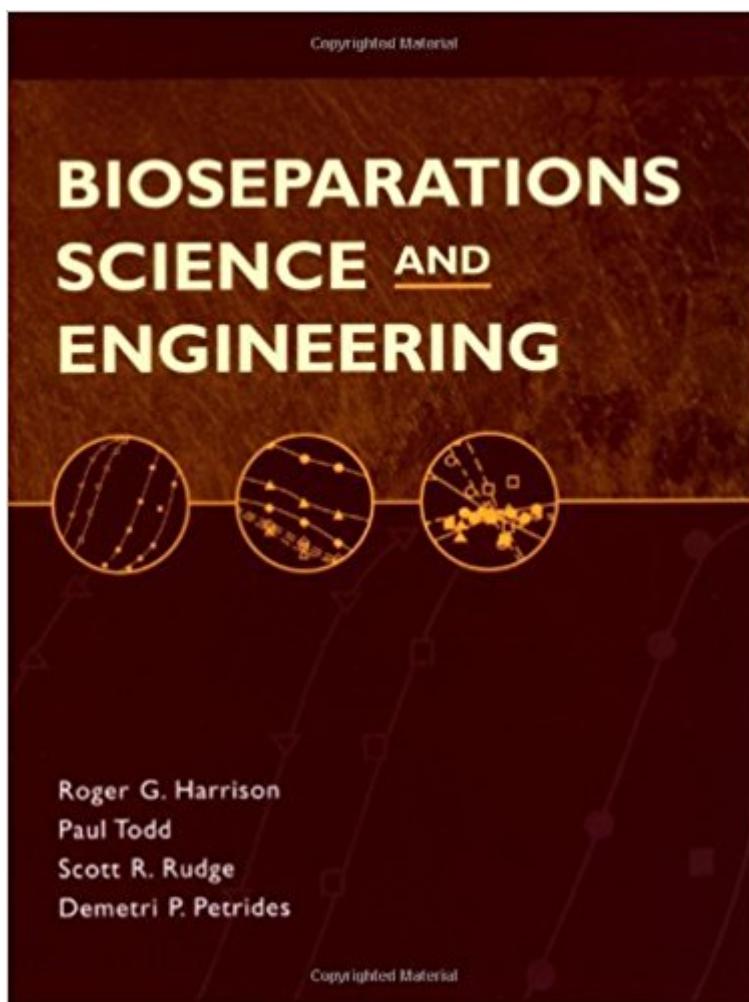The book was found

Bioseparations Science And Engineering (Topics In Chemical Engineering)

Synopsis

Designed for undergraduates, graduate students, and industry practitioners, Bioseparations Science and Engineering fills a critical need in the field. Current, comprehensive, and concise, it covers bioseparations unit operations in greater depth than other texts on this topic. In each of the chapters, the authors use a consistent method of explaining unit operations, starting with a qualitative description noting the significance and general application of the unit operation. They then illustrate the scientific application of the operation, develop the required mathematical theory, and finally, describe the applications of the theory in engineering practice, with an emphasis on design and scaleup. Unique to this text is a chapter dedicated to bioseparations process design and economics, in which a process simular, SuperPro Designer® is used to analyze and evaluate the production of three important biological products. Other unique features include basic information about bioproducts and engineering analysis and a chapter with bioseparations laboratory exercises. Bioseparations Science and Engineering is ideal for students and professionals alike. Features Incorporates numerous example problems within the chapters Offers extensive sets of problems at the end of chapters Includes basic information about bioproducts Provides thorough coverage of analytical methods for bioproducts Uses the simulation software SuperPro Designer® to illustrate the analysis and evaluation of the production of citric acid, recombinant human insulin, and monoclonal antibodies Includes laboratory exercises that support text material Accompanied by a solutions manual available to instructors who adopt this text Supplemented by a website (www.biosep.ou.edu) with new problems and examples and links to useful databases and manufacturers of bioseparations equipment and supplies

Book Information

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Harrison is an Associate Professor in the School of Chemical Engineering and Materials Science at the University of Oklahoma, Norman.

This book is good if you want a general overview of the subjects that are covered. It has plenty of range in terms of topics but considering this book is fairly small compared to other engineering books, it does not go into great detail about any of the topics that are covered.

Okay, but a little worn out.

It's a book for school. I need it.Shipping takes forever! I recommend ordering this at least a month an advance.

great book for bioseparations class! it should have the resolution of the problems tho!

very good delivery. satisfaction.

great, really good - goes well with "on the geneology of morals"

I'm glad I found this book !!! Unlike many other books of similar titles, this is one that I can really understand. Not too heavy dosage of biological terms. Provides good linkage between the biological science and engineering applications. Good for students who had chemical engineering backgrounds and wanted to venture into bioseparaions. The addional chapter on plant design and economics is also very beneficial.

I used Dr. Harrison's manuscript of this text while taking his bioseparations course at OU. It is an excellent text and can really give you an edge on bioseparations science!

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