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Separation Processes in Biotechnology Juan A. Asenjo,2020-08-26 Edited to avoid duplication and favor comprehensiveness 20 contributors detail the recovery separation and purification operations of bioprocess technology

Individual chapters in this classic yet still highly relevant work emphasize concepts that are becoming more and more important when applied to the large scale versions of techniques that are considered well established. Aside from fully discussing processes, Separation Processes in Biotechnology includes sections on concentration separation and operation, purification operations and product release and recovery. It also discusses plant operation and equipment and delves into economic considerations.

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Chemical Engineering Education, 1993. Chemical Process Equipment Stanley M. Walas, 1988. Wales, chemical and petroleum engineering. U of Kansas presents a minimum of essential theory with numerical examples to illustrate the more involved procedures. Emphasis is placed on short cut methods, rules of thumb and data for design by analogy. A short chapter on costs of equipment is included. The introductory chapters will provide a general background to process design, flowsheeting and process control. Annotation copyrighted by Book News Inc. Portland, OR

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Analysis and Applications Jeng-Shyang Pan,Valentina Emilia Balas,Chien-Ming Chen,2021-11-25 This book constitutes the Proceeding of the Sixth International Conference on Intelligent Data Analysis and Applications October 15 18 2019 Arad Romania This edition is technically co sponsored by Aurel Vlaicu University of Arad Romania Southwest Jiaotong University Fujian University of Technology Chang an University Shandong University of Science and Technology Fujian Provincial Key Lab of Big Data Mining and Applications and National Demonstration Center for Experimental Electronic Information and Electrical Technology Education Fujian University of Technology China Romanian Academy and General Association of Engineers in Romania Arad Section The book covers a range of topics Machine Learning Intelligent Control Pattern Recognition Computational Intelligence Signal Analysis Modeling and Visualization Multimedia Sensing and Sensory Systems Signal control Imaging and Processing Information System Security Cryptography and Cryptanalysis Databases and Data Mining Information Hiding Cloud Computing Information Retrieval and Integration Robotics Control Agents Command Control Communication and Computers C4 Swarming Technology Sensor Technology Smart cities The book offers a timely board snapshot of new development including trends and challenges that are yielding recent research directions in different areas of intelligent data analysis and applications The book provides useful information to professors researchers and graduated students in area of intelligent data analysis and applications Encyclopedia of Environmental Analysis and Remediation, Volume 1 Robert A. Meyers,1998 With the growing concern over the environment new industries and research areas have been developed to identify monitor regulate and legislate environmental interactions as well as to determine and repair existing environmental damage For both the expert and the newcomer a quick convenient and comprehensive source is needed to answer questions on the rapidly increasing amount of environmental information The Encyclopedia of Environmental Analysis and Remediation EEAR responds to this need by providing the reader with an in depth examination of the environmental analysis and remediation fields in a single eight volume reference source *Separation Process Engineering* Phillip C. Wankat,2007

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