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TRANSPORT PROCESSES AND SEPARATION PROCESS PRINCIPLES

FIFTH EDITION

CHRISTIE JOHN GEANKOPLOS • A. ALLEN HERSEL
DANIEL H. LEPEK



INTERNATIONAL SERIES IN THE
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Transport Processes and Separation Process Principles, Global Edition Christie Geankoplis, 2023-06

The British National Bibliography Arthur James Wells, 1979

Transport Processes and Separation Process Principles Christie John Geankoplis, 2009

Chemical Engineering Progress, 1994

Mathematical Modeling and Scale-up of Liquid Chromatography Tingyue Gu, 2012-12-06 Liquid chromatography has proved to be one of the most important tools

for separations Rapid development in biotechnology has increased the demand for chromatography in analytical preparative and large scale applications The understanding of the dynamics of chromatography is imperative for the scale up This book is a systematic treatment of the general rate models for various forms of liquid chromatography including adsorption size exclusion affinity reversed phase hydrophobic interaction and radial flow chromatography Thermodynamic and mass transfer effects in liquid chromatography are discussed Applications of computer programs for the rate models are described and the procedures for the scale up of preparative and large scale liquid chromatography using the general rate models are given

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