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Separation Technology

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These proceedings of the Engineering Foundation Conference held at Schloss Elmau, Bavaria, West Germany, April 27 to May 1, 1987 cover a broad range of separation technologies. Papers cover adsorption, extraction and membranes and address such applications as bioseparations, separations from dilute solutions as well as separations for petroleum and petrochemical processing.

PARTIAL CONTENTS

Separation and Purification: Critical Needs and Opportunities. An Overview of Membrane Separations. Integrated Membrane Processes in Biochemical Plants. Separations Technology in the Oil Industry of the 80s and 90s. Novel Dynamic Membranes. Industrial Application of Liquid Membrane Separation for Phenolic Wastewater Treatment. A New High Voltage Electrostatic Coalescer EC-1 Used for Industrial Application in Liquid Membrane Separation. Fundamentals of Supercritical Fluid Extraction. Modeling and Analysis of Biospecific Adsorption Processes. Electrokinetic Phenomenon. Pervaporation in Hollow Fibers Bundles: Some Aspects of Heat and Mass Transfer. Extraction Sodium Vanillinate from Oxidized Spent Liquor of Sulfit Pulp Mill. Recovery of Copper, Zinc and Lead with Ion Exchange Complexing Resins in a CSTR Adsorber. (Hardcover)

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