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Adsorption and Ion Exchange: Recent Developments

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The papers in this publication were presented at a full-day symposium, held on November 28, 1984, as part of the AIChE Annual Meeting in San Francisco. *Contents:* Separation of Glucose and Fructose by Simulated Counter-Current Adsorption. Multicomponent Fixed Bed Sorption. Kinetics of Acid Uptake by Weak-Base Anion Exchangers. Combination of Linear Driving-Force Models in the Design of Constant-Pattern, Fixed-Bed Sorption Operations. Adsorption of Liquid Hydrocarbons in Silicate. Potential Distribution Theory Applied to Adsorption. Monte Carlo Calculations for a Lattice Model of Adsorption on Heterogeneous Surfaces with Sites Distributed Randomly. Equilibrium Adsorption of Dilute Hydrocarbon Solutes from Aqueous Solutions of Activated Carbons. Continuous-Counter-current-Flow Approximation for Dynamic Steady State Profile of Pressure Swing Adsorption. Use of Multiple Sorbents in Pressure Swing Adsorption, Parametric Pumping and Cycling Adsorption. Bulk Gas Separation of Binary and Ternary Mixtures by Pressure Swing Adsorption.

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