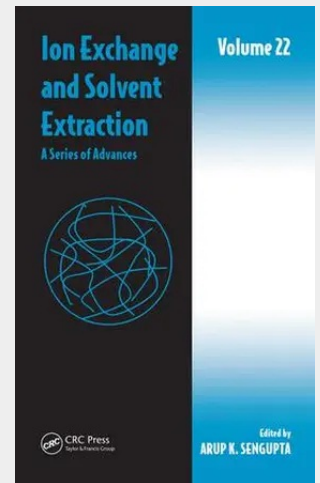


Ion Exchange and Solvent Extraction

A Series of Advances, Volume 22

Since the Second World War, the field of ion exchange has taken a dominant role in offering solutions to many problems in the developed and developing world. It has evolved to a wide array of applications, including mining, microelectronics, drug delivery and detection, food, fertilizers, chemical cleaning, catalysis, bioseparation, water management, environmental research and practices, and energy. The six chapters in this book represent diverse contributions from researchers around the globe who are making noticeable strides in the field in currently important areas: - Brackish water desalination - Removing boron from water - Sustainable approaches for synthesizing commercially important epoxide building blocks - Solid-phase heavy-metal separation - Separating concentrated ion mixtures in sorption columns - Sensing toxic metals Ion Exchange and Solvent Extraction: A Series of Advances, Volume 22 provides a focused review of new materials and new processes that have developed and are rapidly growing. It describes cutting-edge research and practices in the use of ion exchange for building a cleaner, sustainable world and provides thoughtful insights on what ion exchange may do for us in the future.



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