

Science and Technology of Separation Membranes

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2 Volume Set

Science and Technology of Separation Membranes gives an extensive overview of membrane science, beginning with an introduction to the history of the field. Early chapters discuss structure, characterization and preparation, before reviewing traditional membrane applications, including reverse osmosis, dialysis, nano- micro- and ultrafiltration, pervaporation, evapomeation, and permeation. Later chapters address more novel applications such as membrane reactors, hybrid systems and optical resolution as well as membrane fuel cells before finishing with a chapter on the future of the field.

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