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Sommario/riassunto

This book, 'Membranes for Energy Applications' by Prof. Young Moo Lee, explores the use of membrane technology in various energy-related applications. It covers the principles and developments of membranes in gas separation, fuel cells, energy storage systems, hydrogen production, and power generation. The book addresses the growing energy demands and environmental concerns, emphasizing the role of membranes in efficient energy utilization and reduction of CO₂ emissions. It discusses the historical evolution of membrane technology, various types of membranes, and their applications in producing alternative and renewable energy sources. The author's goal is to provide a comprehensive understanding of how membranes can advance energy technologies and address global energy challenges. This book is intended for researchers, professionals, and students in the fields of chemical engineering, materials science, and energy technology.
