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Sommario/riassunto

This book provides a comprehensive overview of alkaline anion exchange membranes (AEMs) and their applications in fuel cells. It covers the fundamental concepts, historical developments, fabrication processes, and recent advancements in AEM technology. The book also explores different types of polymeric electrolyte membranes, the comparison between proton and anion exchange membranes, and the various cations used in AEMs. Additionally, it discusses the challenges, degradation mechanisms, and computational approaches associated with AEMs. Edited by experts in the field, this book is intended for researchers, engineers, and students interested in fuel cell technology and materials science.

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