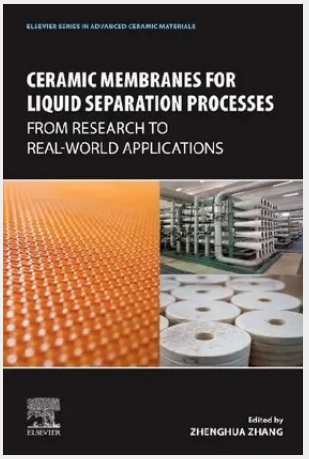
Zhang

Ceramic Membranes for Liquid Separation Processes

From Research to Real-World Applications



Ceramic Membranes for Liquid Separation Processes: From Research to Real-World Applications aims to provide an extensive review of both conventional and advanced ceramic membranes, focusing on their development and real-world applications. The book presents the latest advancements in catalytic ceramic membranes and provides a comprehensive overview of the ceramic membrane industry. It addresses significant topics such as material innovations, fabrication techniques, mechanistic insights, membrane fouling and mitigation strategies, and the use of catalytic membranes in water and wastewater treatment applications. By highlighting both academic and industrial perspectives, the book seeks to educate and empower researchers, engineers, and policymakers working in the field of membrane technology and environmental engineering to promote the adoption of catalytic ceramic membranes as a promising solution for clean water reclamation.

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