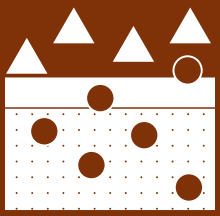

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Special Issue Reprint

Preparation and Application of Advanced Functional Membranes

Edited by: Annarosa Gugliuzza and Cristiana Boi

This reprint offers updated studies on functional membranes for strategic areas such as water cleaning and reuse, environmental remediation, drug delivery, energy recovery, and CO_2 capture, but also the recycling of bio-based and ecofriendly materials for membrane manufacturing and purification processes that impact important domains of society and industry. Theoretical modelling, structure–transport assessment, and experimental findings contribute to creating a multidisciplinary representation of membrane science in its many facets. This reprint is a useful reference for inspiring scientists and students who want to tackle scientific and societal challenges within a sustainable and circular chemistry framework.

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