separations

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 3.0

Research on Coupling of Electrochemical-Membrane Separation

Guest Editor:

Dr. Wen Zhang
School of Chemical Engineering, Tianjin University, Tianjin, China

Deadline for manuscript submissions:
closed (31 August 2023)

Message from the Guest Editor

Recently, new separation techniques based on the coupling of membrane and electrochemical processes are booming for a wide range of applications in gas separation, water treatment, seawater desalination, capacitive deionization, hydrometallurgy, chemical analysis, and other related purification systems. The coupling strategy usually affords a significant enhancement of electrochemical separation performances and/or membrane processes. Additionally, the integration of membrane and electrochemical technologies could be beneficial in reducing energy consumption, environmental hazards, and/or overall costs.

This Special Issue aims to present readers with the latest developments and opportunities for research on the coupling of electrochemical–membrane separation. This issue includes but is not limited to membrane-based/separated/assisted electrochemical reaction/detection/separation, membrane processes combined/coupled with electrochemical technologies, and the related methods/designs/modeling/applications. We welcome all interested authors to submit reviews, original research articles, and perspectives on the above topics.

separations

IMPACT FACTOR 2.5

CITESCORE 3.0

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.
Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Separations Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/separations
separations@mdpi.com
𝕏@Sep_MDPI