Special Issue

Research on Coupling of Electrochemical-Membrane Separation

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.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2023)

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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.

Editor-in-Chief

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