Special Issue

Electrosynthesis of Metal–Organic Framework Membranes for Energy and Sensing Applications

Message from the Guest Editors

This Special Issue aims to present the latest advancements and cutting-edge research on the preparation of MOF membranes using electrochemical methods. It will serve as a platform to showcase innovative strategies, novel materials, and fundamental insights into the electrochemical synthesis and characterization of MOF membranes. The issue will encompass a comprehensive range of topics, including but not limited to electrodeposition techniques, electrochemical characterization, optimization of synthesis parameters, scalability, stability, and the integration of MOF membranes into functional devices. The contributions to this Special Issue will provide valuable insights into the design, synthesis, and characterization of MOF membranes prepared using electrochemical methods, further advancing our understanding of their structure–property relationships and facilitating their practical applications.

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