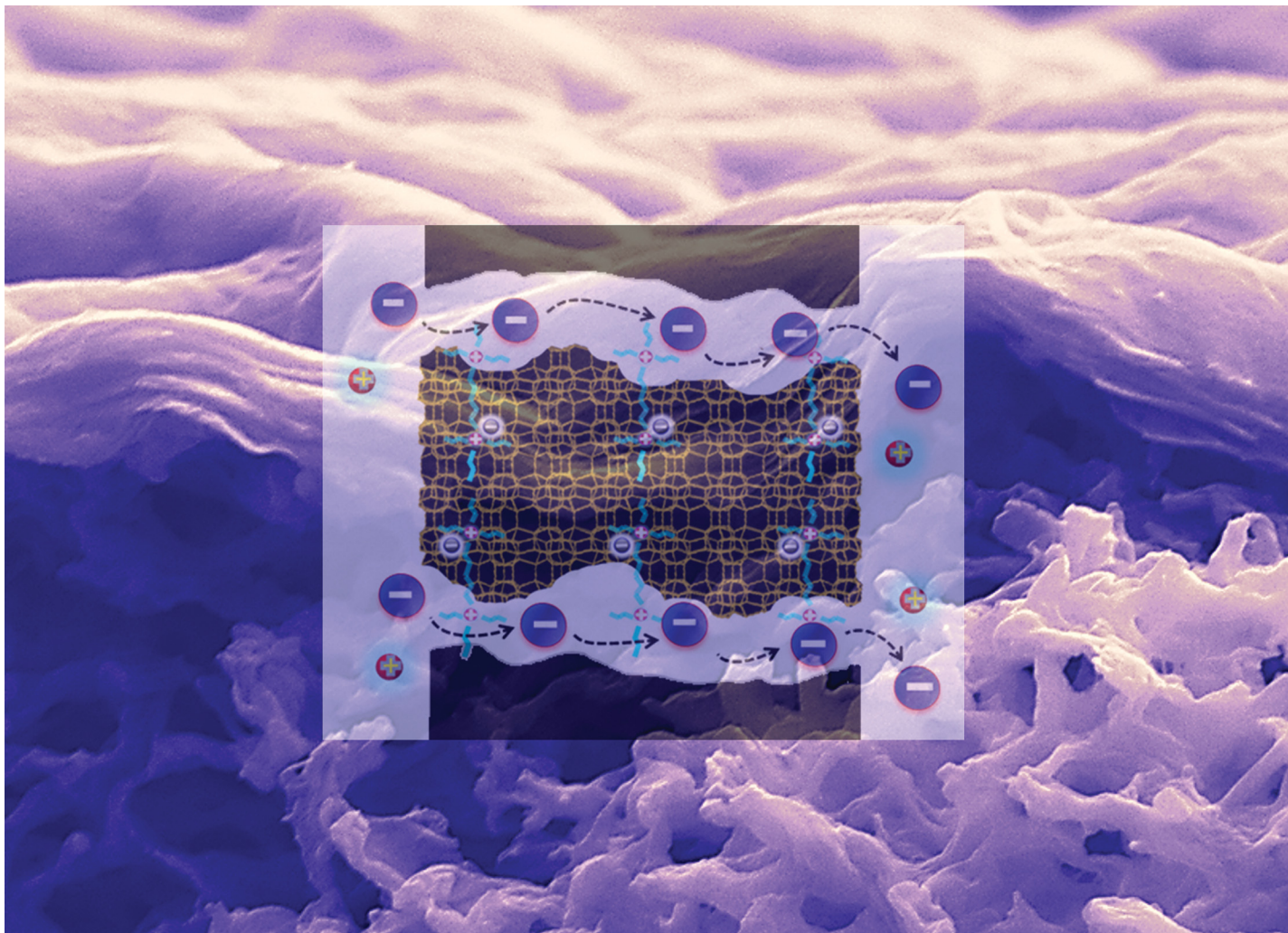


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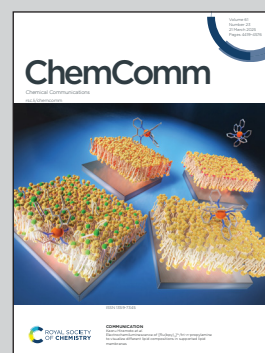
Showcasing research from Professor Dong's Membrane Laboratory, Department of Chemical and Environmental Engineering, University of Cincinnati, Cincinnati, Ohio, USA.

An anion exchange membrane of layered silicalite nanosheets with surface quaternary ammonium cations

Synthetic zeolite nanosheets with an enormous surface area and exposed quaternary ammonium cations of the template molecules are demonstrated as a new paradigm of building blocks for high-performance anion exchange membranes for electrochemical cells.

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Chem. Commun., 2025, **61**, 4503.