

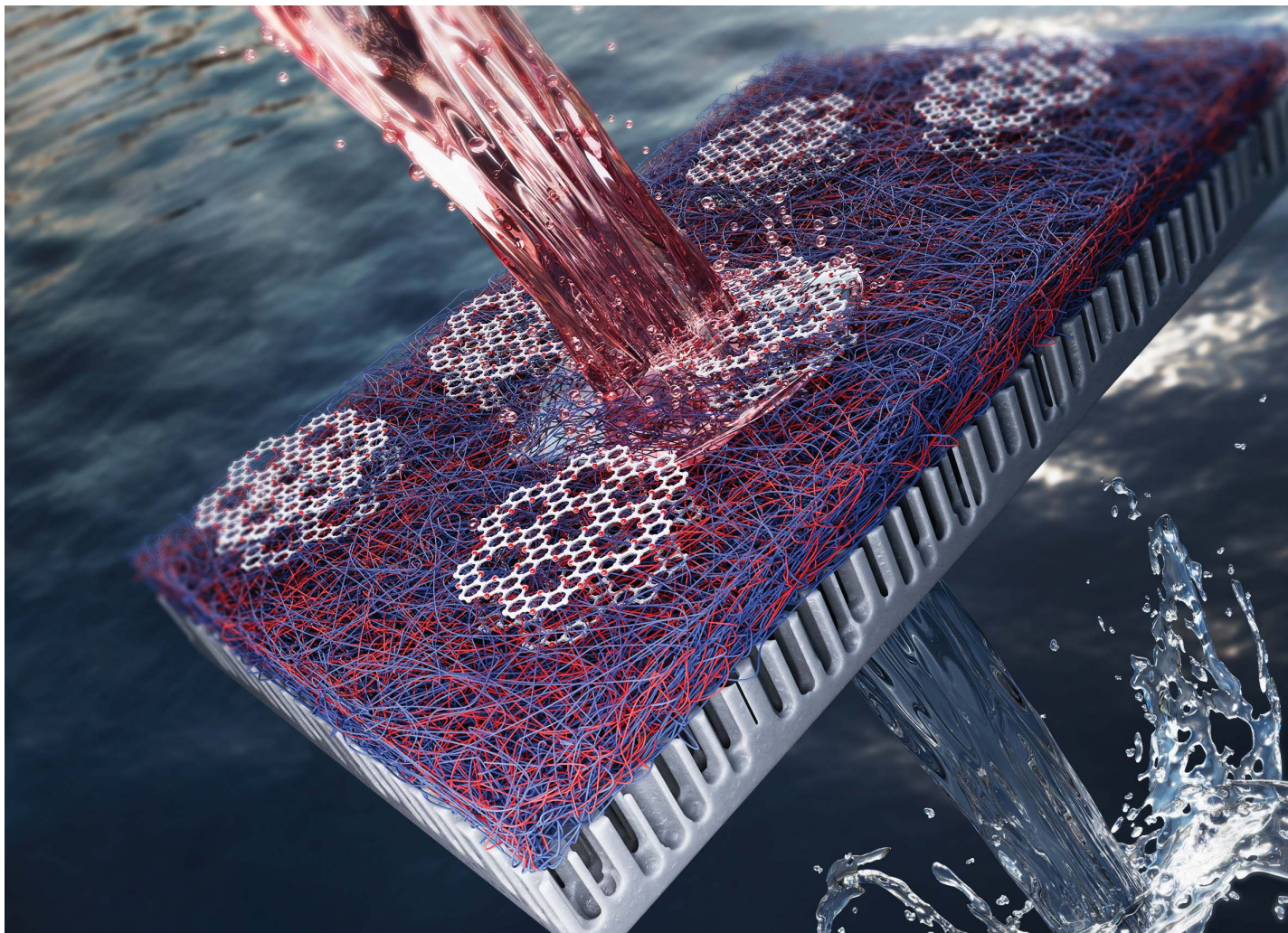
# EES Batteries

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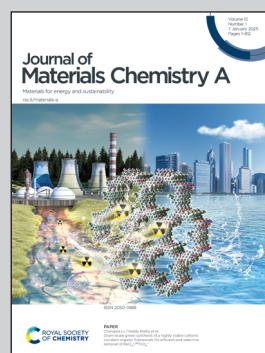


**Highlighting a study on crown-ether 2D framework based loose nanofiltration membranes *via* layer-by-layer assembly by a group of researchers led by Prof. Jong-Chan Lee from Seoul National University, and Prof. Hee Joong Kim from Inha University.**

Ordered crown-ether 2D framework based loose nanofiltration membranes for improved separation and stability

This study presents a crown-ether 2D framework based loose nanofiltration membranes fabricated *via* layer-by-layer (LbL) assembly. The resulting membranes demonstrated high water permeance and superior dye rejection, along with excellent dye/salt selectivity. In addition, the membranes exhibited outstanding stability across different pH conditions and during extended operation.

### As featured in:



See Hee Joong Kim, Jong-Chan Lee *et al.*, *J. Mater. Chem. A*, 2025, **13**, 184.