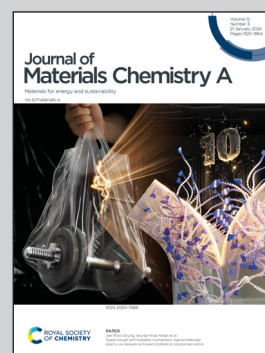


**Highlighting a study on composite gel polymer electrolytes for sodium metal batteries prepared via breath-figure self-assembly by a group of researchers led by Prof. Jimin Shim from Seoul National University.**

Tailoring composite gel polymer electrolytes with regularly arranged pores and silica particles for sodium metal batteries *via* breath-figure self-assembly

This study presents a one-pot static breath-figure self-assembly that allows for the straightforward preparation of composite gel polymer electrolytes featuring regularly arranged pores and silica particles for sodium metal batteries. This method enables the incorporation of high silica particle loadings, ensuring thermal and mechanical stability, high ionic conductivity, and effective suppression of Na dendrite formation.

**As featured in:**



See Jimin Shim *et al.*,  
*J. Mater. Chem. A*, 2024, **12**, 1465.