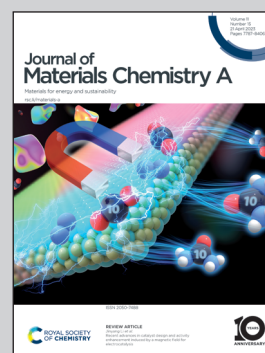


Showcasing research from Professor Rajkumar's laboratory, Integrated Science and Engineering Division, Underwood International College, Yonsei University International Campus, Incheon, South Korea.

Recent advances in modified commercial separators for lithium-sulfur batteries

Conducting polymer are a special class of polymer which are electrically conducting due to the presence of conjugated double bonds. When a separator is modified with conducting polymer it reduces the porosity of the commercial polyolefin separator as a result, lithium polysulfide mobility through the pore reduced drastically. Conducting polymers are synthesized and applied in various applications such as supercapacitor, battery and water splitting etc.

As featured in:



See Rajkumar Patel *et al.*,
J. Mater. Chem. A, 2023, **11**, 7833.