

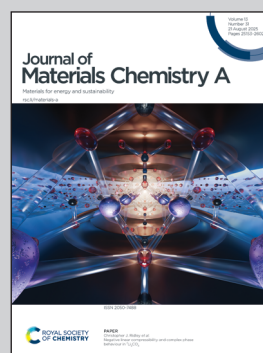
The research was conducted at Argonne National Laboratory and Case Western Reserve University.

Investigation of electrode passivation during oxidation of a nitroxide radical relevant for flow battery applications

Electrochemical studies of 4-hydroxy-TEMPO reveal electrode passivation at high concentrations needed for flow batteries, but a self-cleaning mechanism is observed at intermediate concentrations that could be leveraged for practical applications.

Image by Argonne National Laboratory, managed and operated by UChicago Argonne, LLC.

As featured in:



See Pietro Papa Lopes *et al.*,  
*J. Mater. Chem. A*, 2025, **13**, 25363.