



Showcasing research from Associate Professor Ivana Hasa's group at WMG, University of Warwick, Coventry, UK.

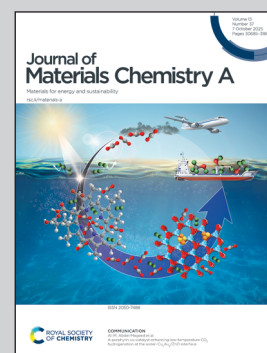
Assessing the role of morphological changes as the origin of improved cycling stability of Sn-based anodes for sodium-ion batteries

The study examines Sn-based anodes for sodium-ion batteries, highlighting the crucial role of the effective formation of a "coral-like" Sn structure in achieving stable cycling. Conducted by PhD student Carla Albenga at WMG, University of Warwick, in collaboration with the University of Oslo (Norway) and the European Synchrotron Radiation Facility (France), the research reveals that the development of an interconnected coral-like morphology - governed by Sn content and the degree of sodiation - effectively mitigates volumetric expansion in μ -Sn anodes.

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See Ivana Hasa, Carla Albenga *et al.*, *J. Mater. Chem. A*, 2025, **13**, 30967.