



Showcasing research from Dr Cheong's and Prof. Röder's lab groups, Bavarian Center for Battery Technology (Baybatt), University of Bayreuth, Bavaria, Germany.

Lithium-ion battery cell formation: status and future directions towards a knowledge-based process design

Formation processing is one of the most intriguing processing steps that is required for the lithium-ion battery manufacturing process. The scheme addresses the objective and the role of the formation processing step within the conventional lithium-ion battery configuration. Through the formation step, there are changes in interfacial, morphological, and surficial properties of the electrode and active materials, which are expected to contribute to the safety and performance enhancement of the lithium-ion battery.

### As featured in:



See Jun Young Cheong, Fridolin Röder *et al.*, *Energy Environ. Sci.*, 2024, 17, 2686.