

Environmental Science journals

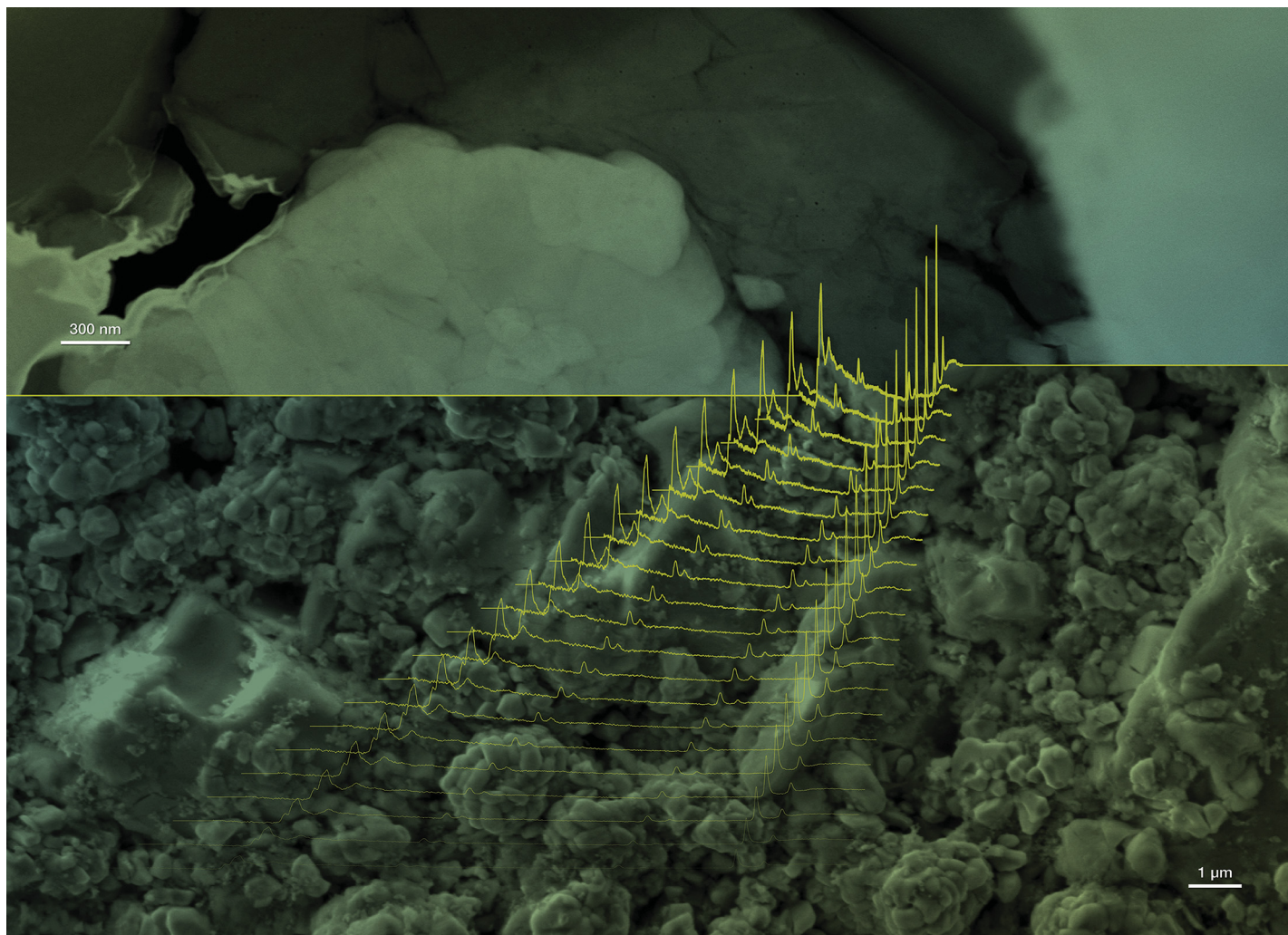
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Fundamental questions
Elemental answers



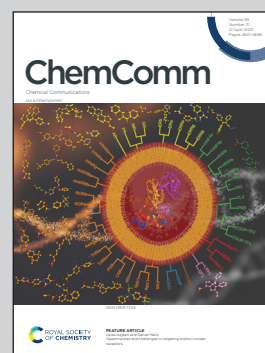


Showcasing research from the Battery and Electrochemistry Laboratory (BELLA), Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT), Germany.

Transition-metal interdiffusion and solid electrolyte poisoning in all-solid-state batteries revealed by cryo-TEM

Scanning transmission electron microscopy investigations under cryogenic conditions into the degradation of thiophosphate-based all-solid-state batteries not only reveal interphase formation, due to side reactions between solid electrolyte and cathode material during cycling, but also transition metal dissolution and solid electrolyte poisoning.

As featured in:



See Florian Strauss,
Torsten Brezesinski *et al.*,
Chem. Commun., 2023, **59**, 4600.