Showcasing work from Systems Biology and Machine Learning (SBML) laboratory of Prof. Donghyuk Kim, Sustainable Process Analysis, Design, and Engineering (SPADE) laboratory of Prof. Hankwon Lim, and Battery Application Technology laboratory of Prof. Yunseok Choi at Ulsan National Institute of Science and Technology, Ulsan, Korea.

A deep learning-based framework for battery reusability verification: one-step state-of-health estimation of pack and constituent modules using a generative algorithm and graphical representation

With the rapid expansion of lithium battery applications, battery recycling has become a key focus within the industry. We introduce a deep-learning framework for non-invasively verification of battery reusability, enabling the estimation of internal module health without the pack disassembly.

As featured in:
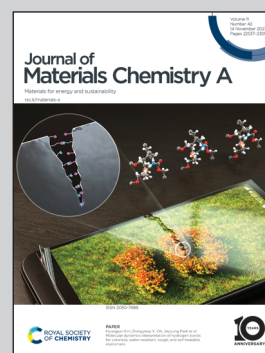
See Yunseok Choi, Hankwon Lim, Donghyuk Kim *et al.*, *J. Mater. Chem. A*, 2023, **11**, 22749.