Highlights (3-4 bullet points, no more than 85 characters including spaces):

* Capturing the hierarchical structure of battery aging data in predicting lifetime
* Extracting predictive features with degradation information for lifetime prediction
* Generating a new public battery aging dataset with varying cycling conditions

eTOC blurb (50 words max):

Li, Zhou et al. demonstrate a new method for predicting the lifetime of cells operating under varying conditions using measurements from early life. The proposed method utilizes degradation-informed signals from early-life data and captures the hierarchical structure of battery aging data, which could potentially be extended to different chemistries.