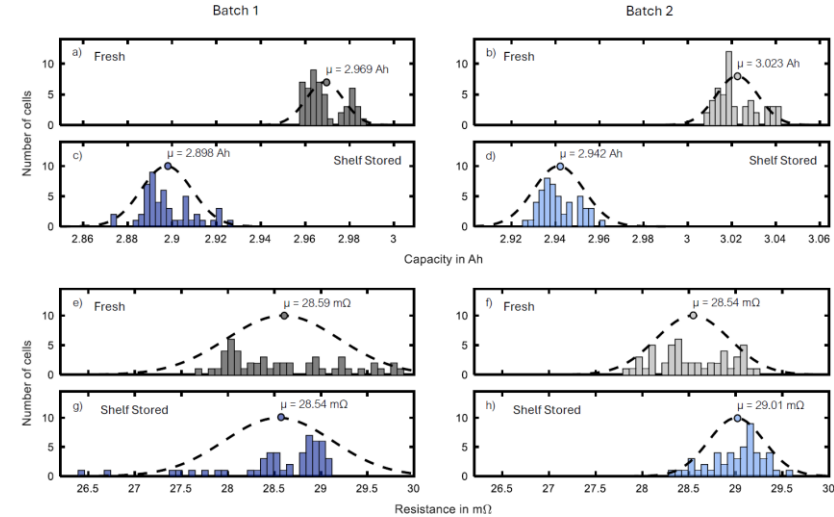
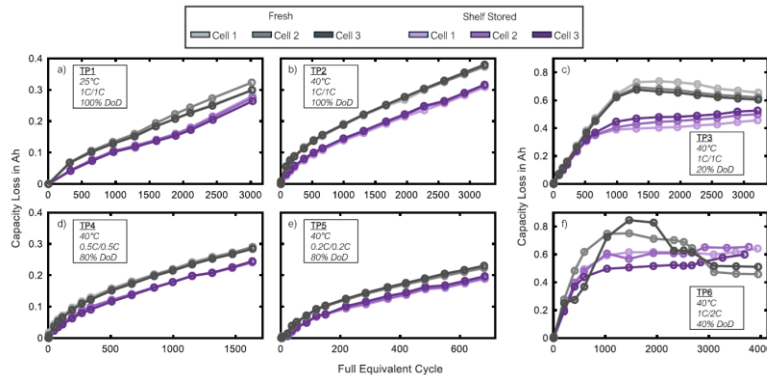


Shelf life of lithium-ion batteries: Recommissioning LiFePO₄/C cells after ten years of uninterrupted calendar aging

- 100 LiFePO₄/C cells are assessed after ten years of uninterrupted calendar storage at 6°C and 50% SoC and collected data is compared to data attained for fresh cells ten years ago
- Shelf-stored cells show only minimal aging and retain at least 96% of their fresh capacity
- pOCV curves indicate that SEI is the main degradation mechanism during long-term shelf storage



- Rate capability of long-term stored cells remains unchanged for up to 3C
- Cycle aging of shelf-stored cells is similar to fresh cells for up to 3000 FEC