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#### ARTICLE INFO

ABSTRACT



# 1. Introduction





#### 2.2. Electrochemical impedance spectroscopy (EIS)



#### 2.3. Gas volume measurement



# 2.4. High rate cycling, long-term cycling and the ultra high precision coulometry (UHPC) cycling

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# 2.5. Conductivity measurement



#### 2.6. Isothermal microcalorimetry



### 2.7. Open-circuit voltage (OCV) storage



# 3. Results and discussion

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## References

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