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## **Supporting Information**

Aqueous processing of paper separators by filtration dewatering: towards Li-ion paper batteries

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The electrochemical response of the paper handsheet stacking separators was tested in Li-ion paper cells in terms of constant current charge/discharge cycling at different temperatures, specifically 0, 10 and 60 °C.



**Figure S1.** Constant-current specific capacity vs. cycle number cycling behaviour of the lab-scale all-paper Li-ion "pouch" cells at different temperatures and current regimes.