

## <Supporting information>

# Mechanism of manganese dissolution on $\text{Li}_{1.6}\text{Mn}_{1.6}\text{O}_4$ ion sieves with HCl

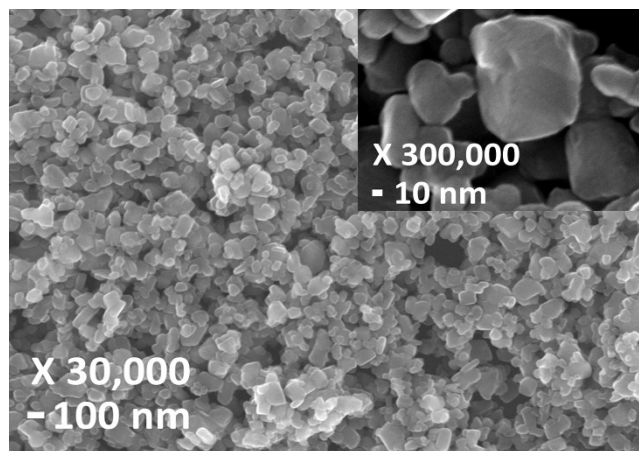
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**Fig. 1** SEM images of as-prepared  $\text{Li}_{1.6}\text{Mn}_{1.6}\text{O}_4$  at 15 kV under 30,000 and 300,000 $\times$  magnification.