

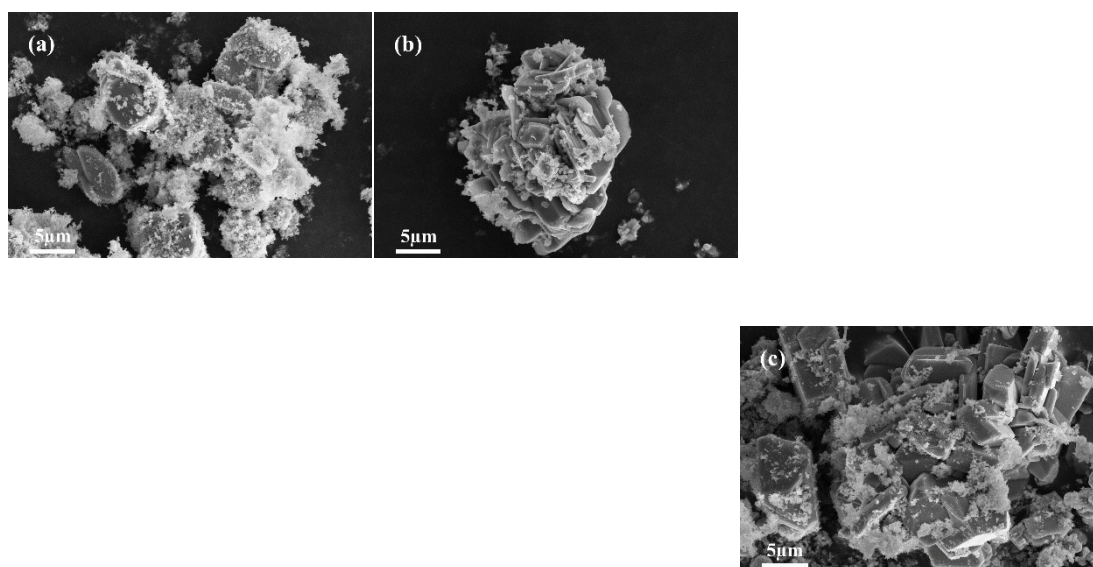
## Supplementary Information

### Study on the preparation of $\text{Mn}_2\text{V}_2\text{O}_7$ microstructure with enhanced electrochemical lithium storage performance

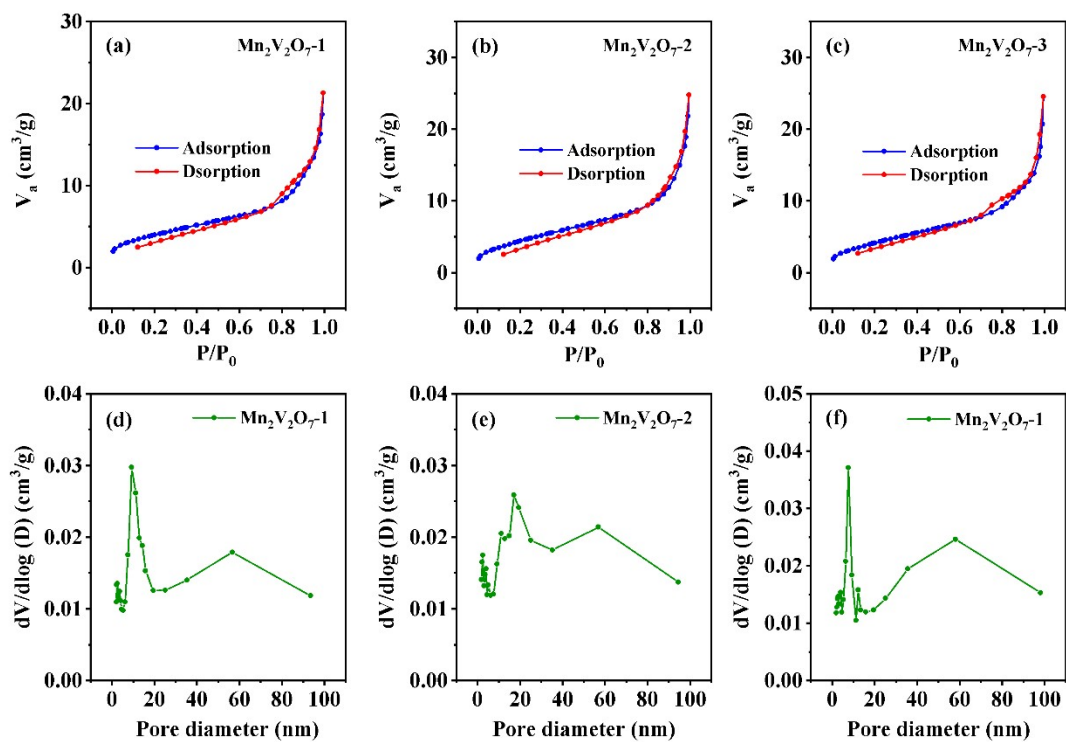
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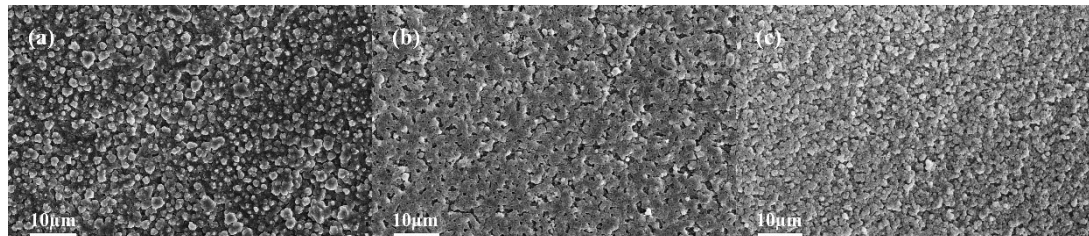
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**Fig. S1** Scanning electron microscope images of three  $\text{Mn}_2\text{V}_2\text{O}_7$  precursor materials.



**Fig. S2** Nitrogen adsorption-desorption isotherms and pore size distribution images of  $\text{Mn}_2\text{V}_2\text{O}_7-1$  (a, d),  $\text{Mn}_2\text{V}_2\text{O}_7-2$  (b, e) and  $\text{Mn}_2\text{V}_2\text{O}_7-3$  (c, f) materials.



**Fig. S3** Morphology of  $\text{Mn}_2\text{V}_2\text{O}_7-1$  (a),  $\text{Mn}_2\text{V}_2\text{O}_7-2$  (b) and  $\text{Mn}_2\text{V}_2\text{O}_7-3$  (c) electrodes after 1000 cycles at a current density of  $5.0 \text{ A g}^{-1}$ .