

SUPPLEMENTARY MATERIAL TO
**High performance of solvothermally prepared VO₂(B) as an
 anode for aqueous rechargeable lithium batteries**

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The charging/discharging curves of VO₂(B) anode are shown in Figs. S-1 and S-2. The difference between the first and the second charging at a current rate of 50 mA g⁻¹ indicates a large initial irreversible capacity loss, Fig. S-1. The charging and discharging become very stable after twenty cycles, which is reflected in the almost overlapping overall curves in the following cycles. The change in the profile of the charge and discharge curves due to the increase in the current rate is shown in Fig. S-2.

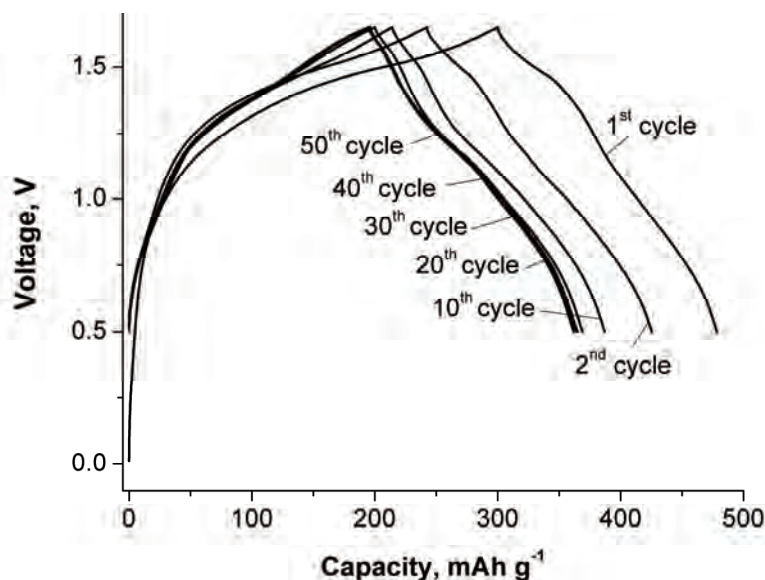


Fig. S-1. Charge/discharge curves of a VO₂(B) anode in saturated aqueous solution of LiNO₃ at a current rate of 50 mA g⁻¹.

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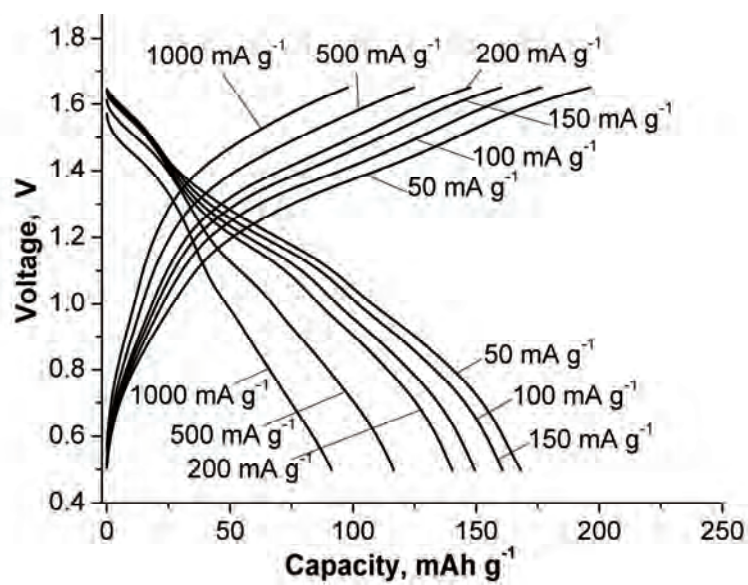


Fig. S-2. Charge/discharge curves of a VO₂(B) anode at different current rates: 50 mA g⁻¹ (the last cycle) and 100, 150, 200, 500 and 1000 mA g⁻¹ (the first cycle).