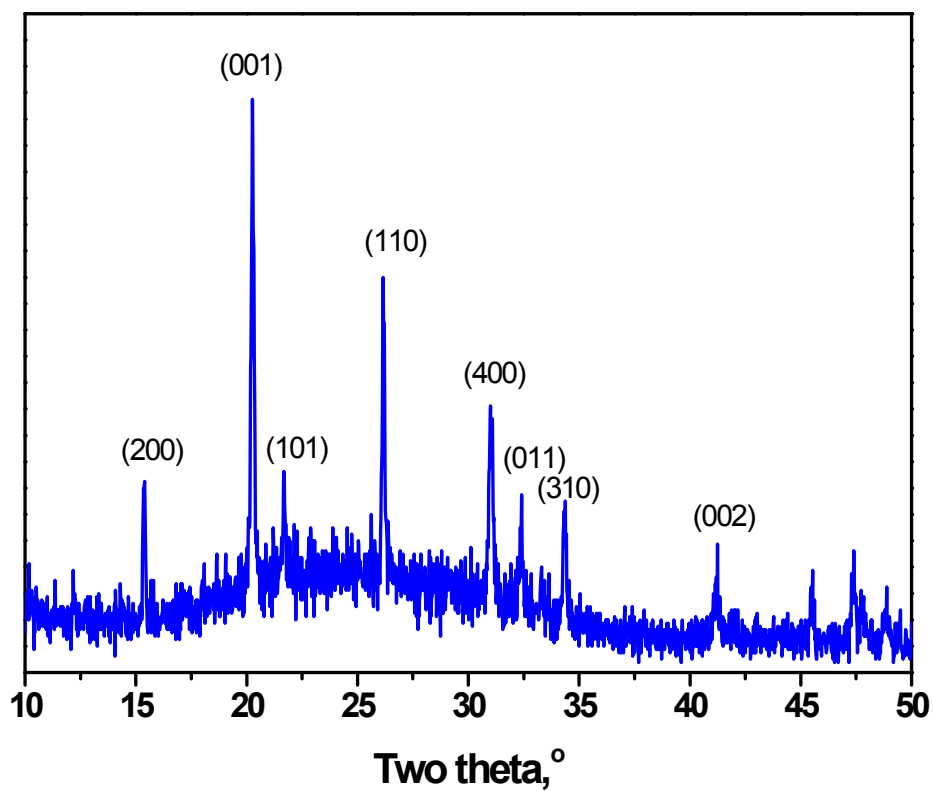


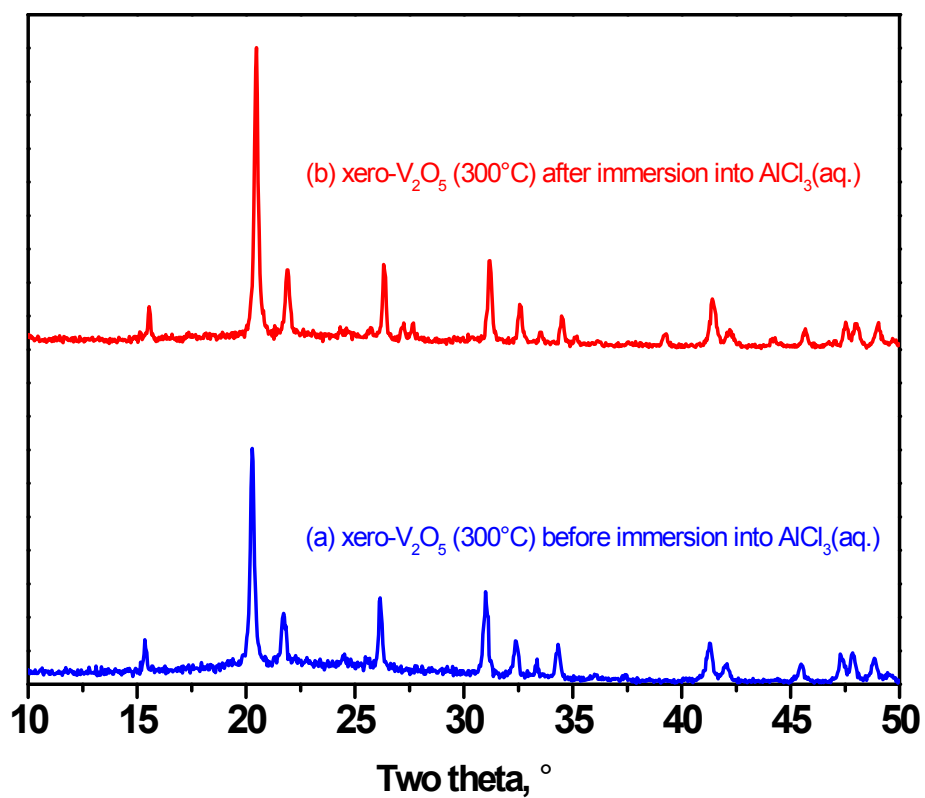
### Electronic Supplementary Information

*Reversible intercalation of aluminium into vanadium pentoxide xerogel for aqueous rechargeable batteries.*

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**Figure S1.** XRD patterns of the vanadium pentoxide sample heated to 600°C.



**Figure S2.** XRD patterns of V<sub>2</sub>O<sub>5</sub> before (a) and after (b) its immersion into 1 M AlCl<sub>3</sub> aqueous solution during two hours. The positions of the Bragg peaks remain unchanged after the treatment.