

Supporting Information

A free-standing VN/MXene composite anode for high-performance Li-ion hybrid capacitor

Zihan Guo^a, Zhiwei Wang^{ab}, Dong Wang^a, Yanfang Gao^{*a}, Jinrong Liu^{*a}

^aSchool of Chemical Engineering, Inner Mongolia University of Technology, Hohhot, 010051, P.R. China

Mail addresses: yf_gao@imut.edu.cn; liujr@imut.edu.cn

^bEngineering Management Department, Inner Mongolia University of Finance and Economics, Hohhot, 010070, P.R. China

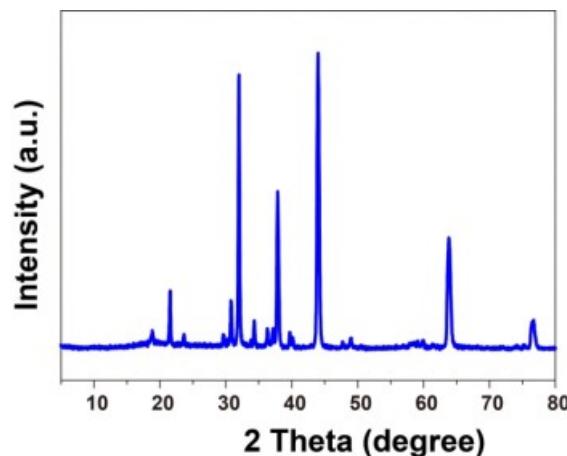


Figure S1 XRD patterns of the prepared V₂O₅ nanowires.

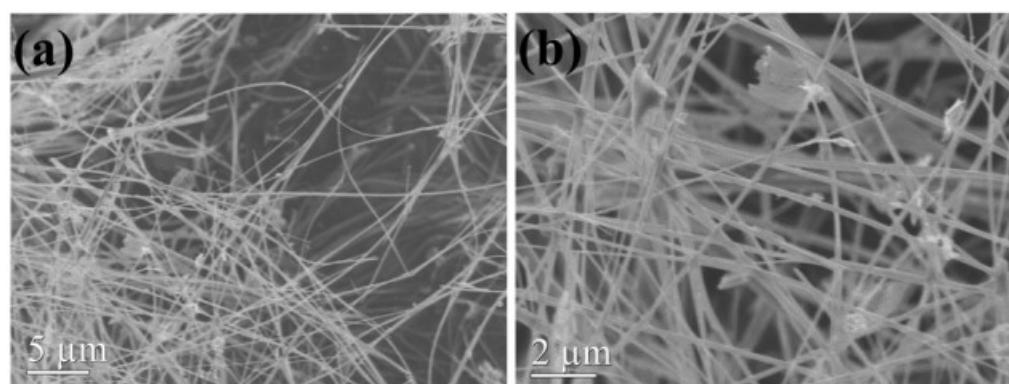


Figure S2 SEM image of the prepared V₂O₅ nanowires.

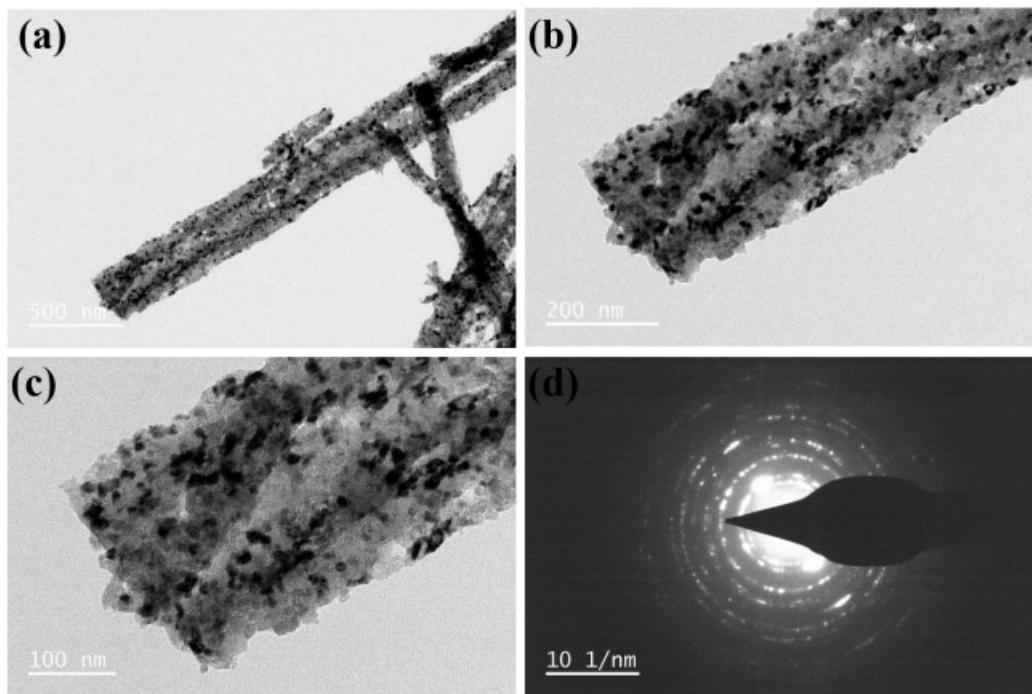


Figure S3 (a-c) TEM images and (d) the SAED pattern of the prepared VN nanowires.

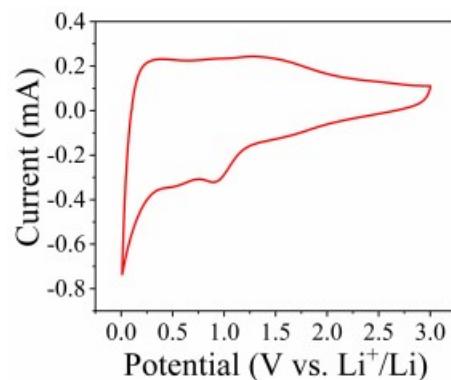


Figure S4 CV curve of the VN/MXene at 0.5 mv s^{-1} in the working voltage window of $0.01\text{-}3.0 \text{ V}$.

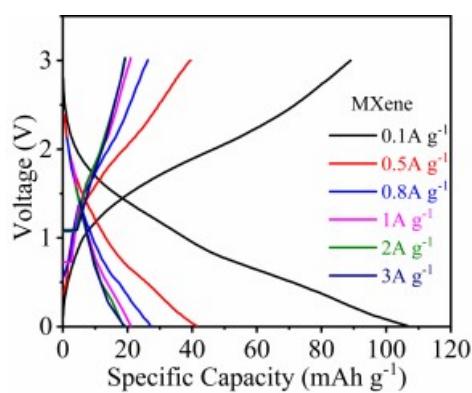


Figure S5 The discharge-charge profiles of $\text{Ti}_3\text{C}_2\text{Tx}$ film at different current densities.