

Supporting Information

Organic Acids Assisted One-pot Synthesis of Highly Oriented h-WO₃ as

Anode Materials for Lithium-ion Batteries

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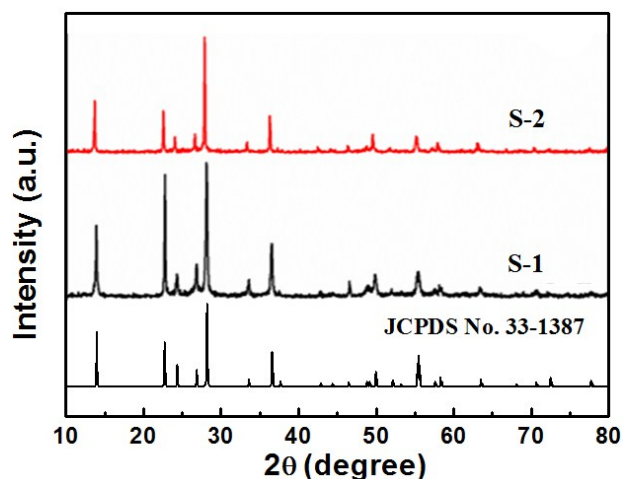


Fig. S1 XRD patterns of S-1 and S-2.

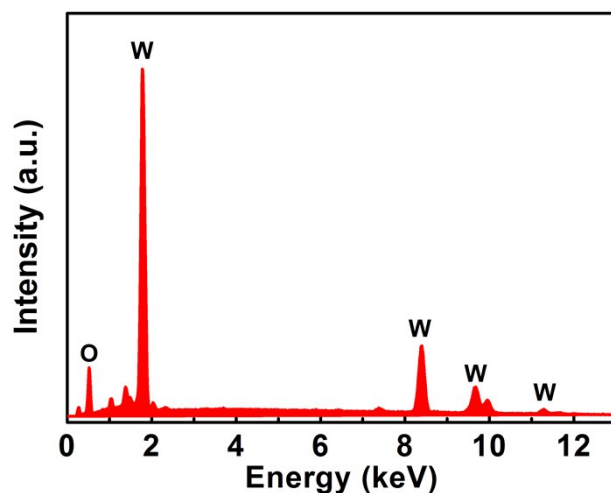


Fig. S2 EDS patterns of S-2.

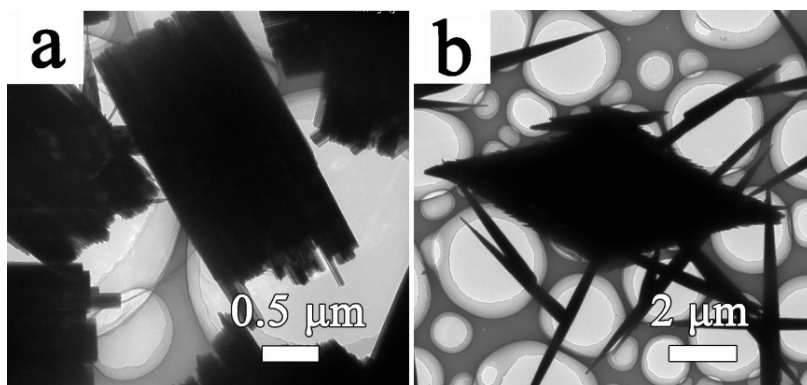


Fig. S3 Low-magnification TEM images of the prepared (a) S-1 and (b) S-2.

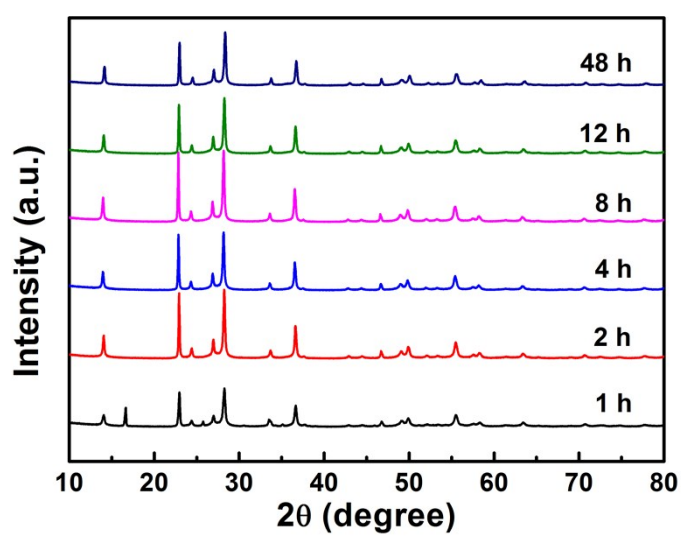


Fig. S4 XRD pattern of the prepared sample with MA collected at different time intervals: 1 h, 2 h, 4 h, 8 h, 12 h and 48 h.

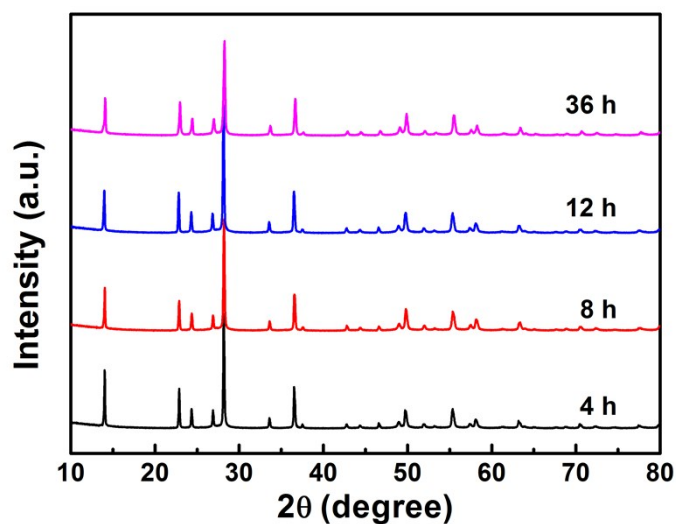


Fig. S5 XRD pattern of the prepared sample with SA collected at different time intervals: 4 h, 8 h, 12 h and 36 h.

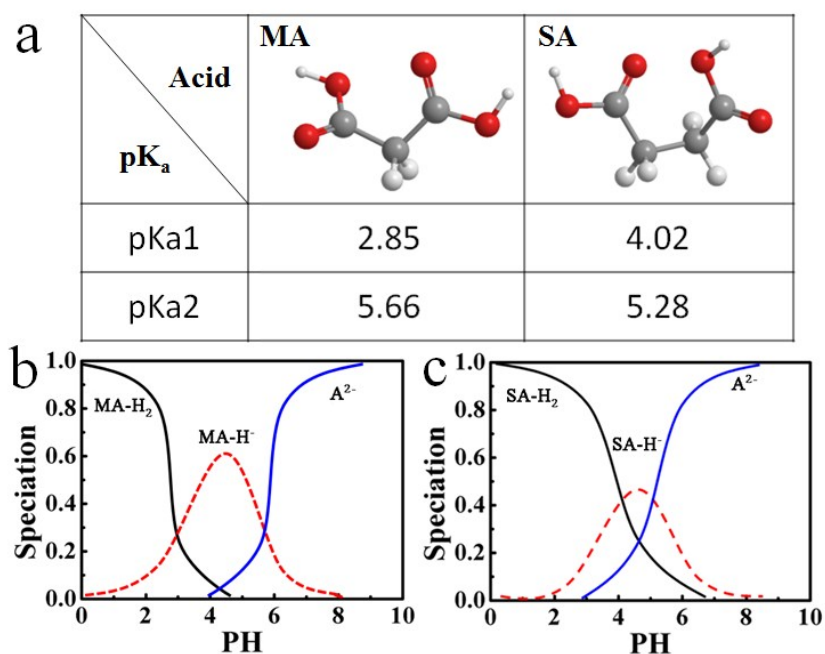


Fig. S6 (a) pK_a values at 298 K for MA and SA. Calculated speciation of (b) MA and (c) SA from pK_a values as a function of PH.

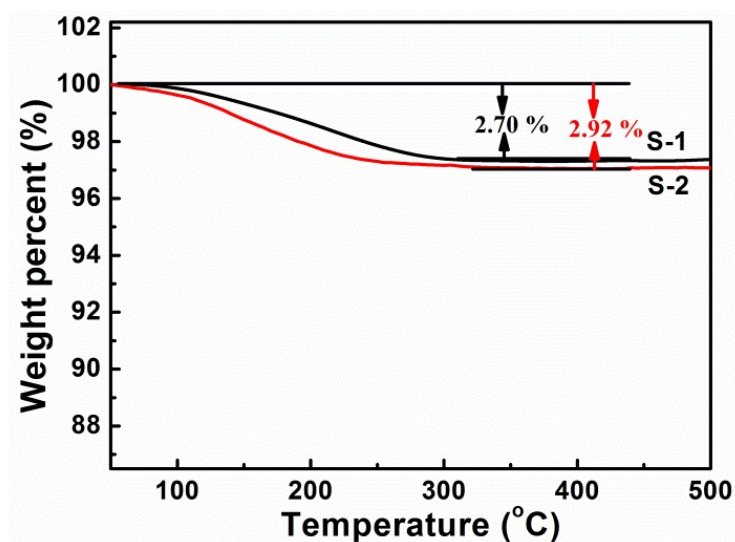


Fig. S7 TG curves of S-1 and S-2 measured from room temperature to 500 °C.

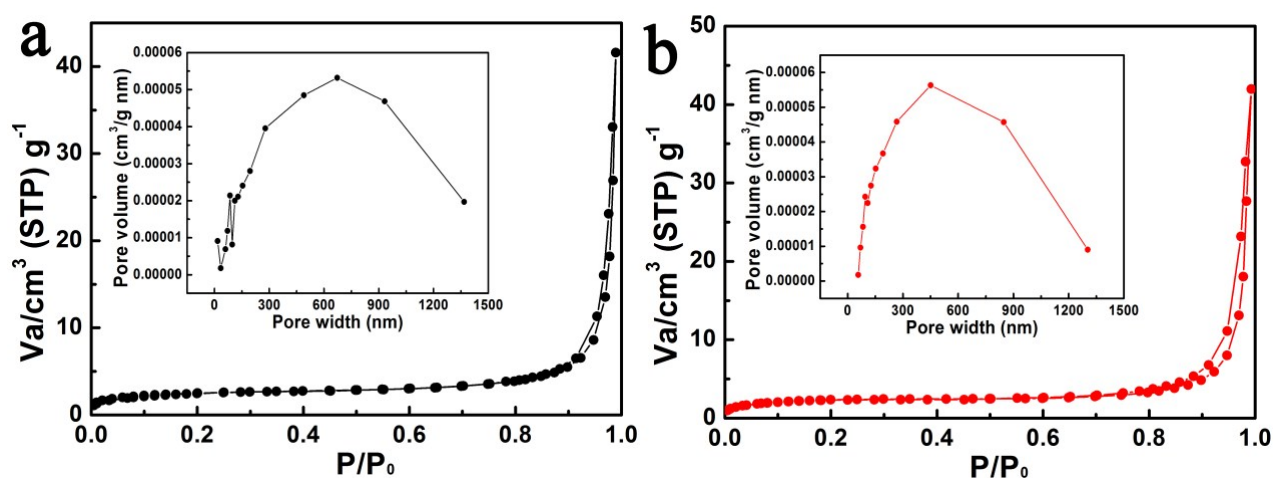


Fig. S8 Nitrogen adsorption-desorption isotherms and corresponding pore size distribution curves (inset) of (a) S-1 and (b) S-2.

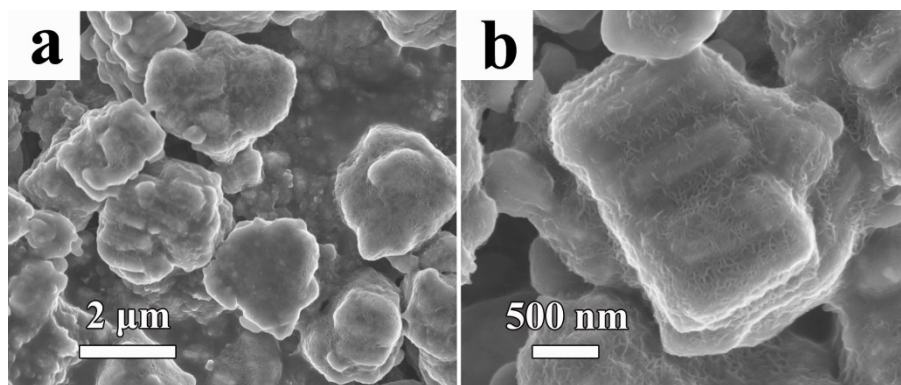


Fig. S9 Low and high magnification SEM images of S-1 after 200 cycles at the current density of 100 mA g⁻¹.