

ELECTRONIC SUPPLEMENTARY INFORMATION

The mineral manaksite, $\text{KNaMnSi}_4\text{O}_{10}$, as a supercapattery-type electrochemical energy storage material

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PXRD analysis of RuO_2

The PXRD diffractogram is shown and the (h,k,l) indices of respective peaks are indicated.

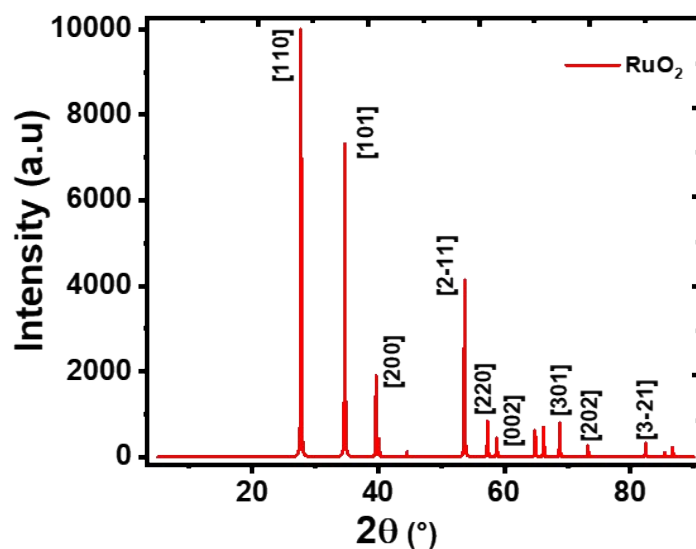


Fig. S1. Powder X-ray diffractogram (PXRD) of RuO_2 sample.

SEM and TEM analysis

SEM and TEM analysis of RuO₂ were performed and the images are shown in Fig. S2 and Fig. S3.

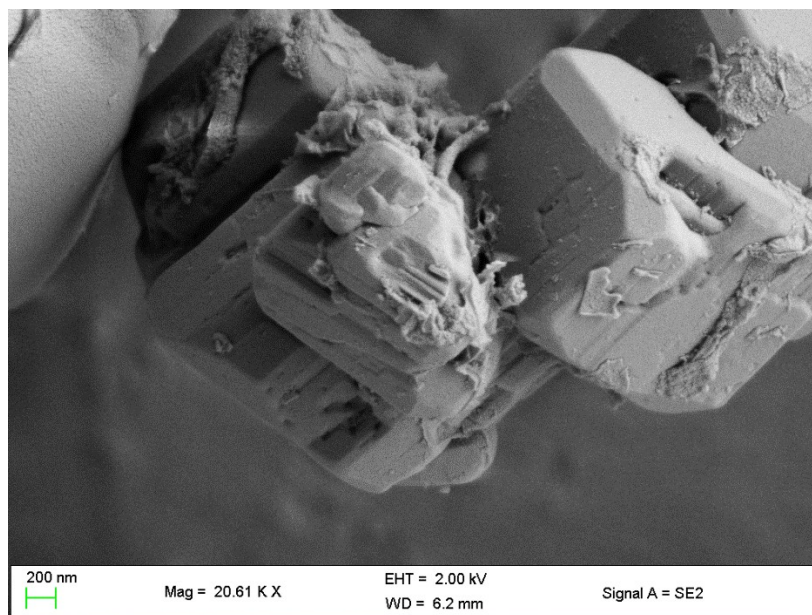


Fig. S2. (a) TEM micrograph, (b) SEM and (c) SEM-EDX spectrum of RuO₂.

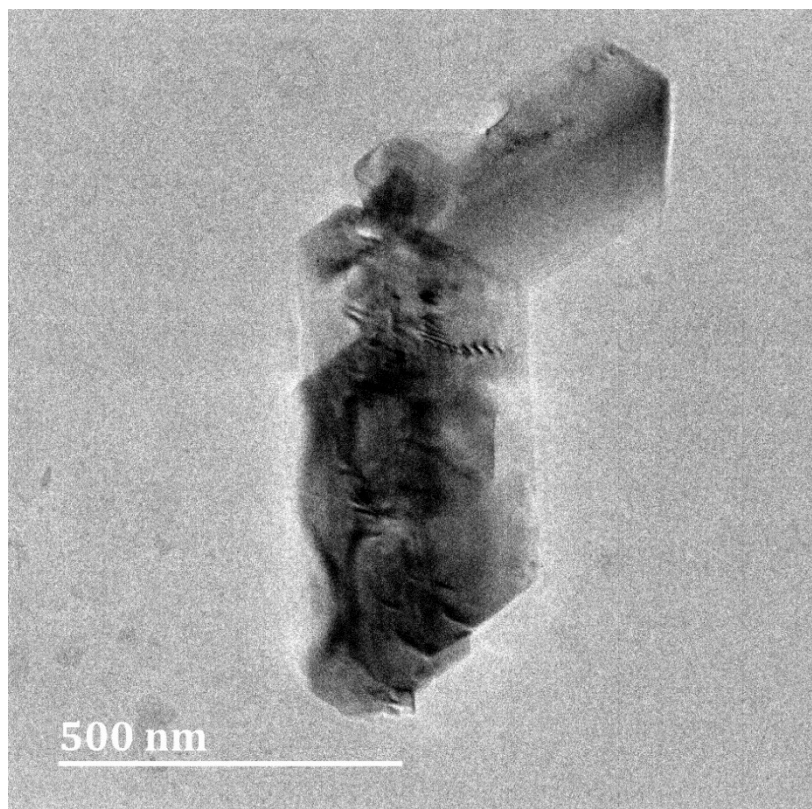


Fig. S3. (a) TEM micrograph of RuO₂.