

## Supplementary Materials

# Investigation of deoxidation process of MoO<sub>3</sub> using environmental TEM

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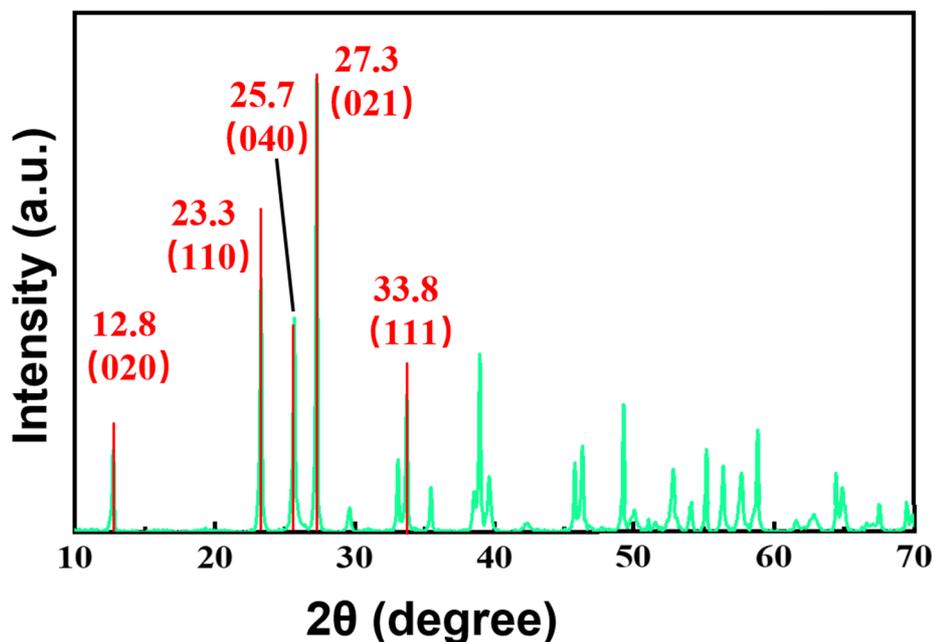


Figure S1. XRD patterns of MoO<sub>3</sub> nanosheets.

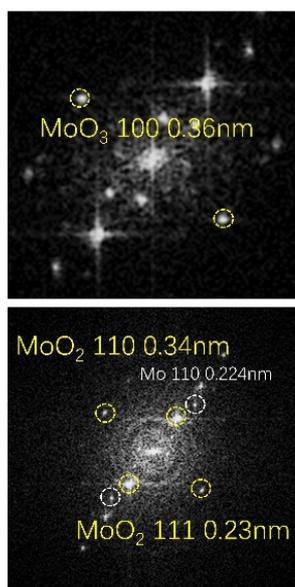
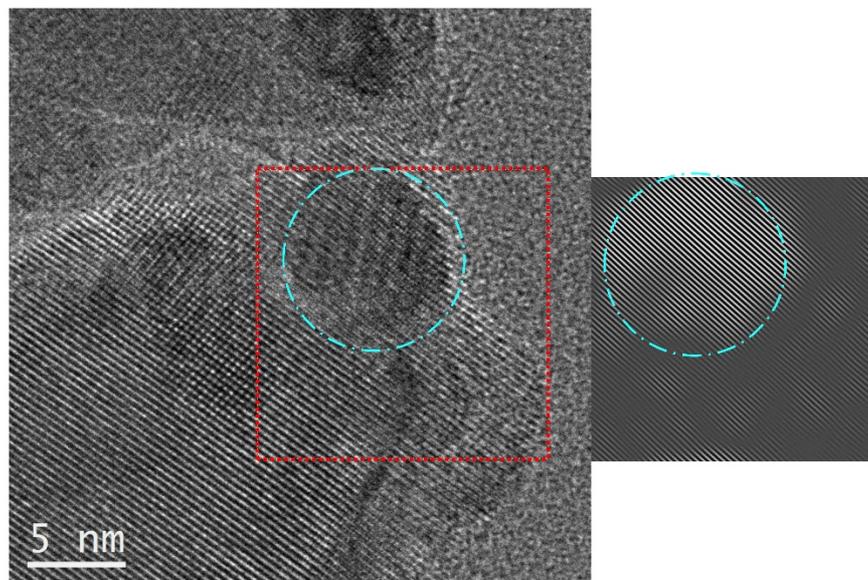


Figure S2. Diffraction calibration of the sample in Figure 3 at 800 °C.



**Figure S3.** Filtering analysis of the sample in Figure 3 at 800 °C .