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Supplementary Information

Moisture effects on the electrochemical reaction and resistance switching at silver/molybdenum oxide interfaces

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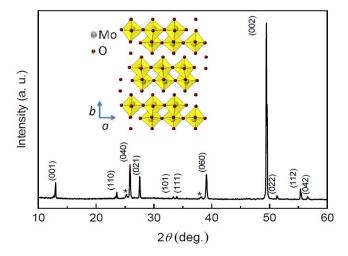


Fig. S1 Structure and morphology of the MoO_{3-x} ($x\sim0.2$) film. (a) The XRD pattern of the film. The symbol (*) indicates the peak positions of FTO substrate. The inset shows the orthorhombic polycrystalline structure with layers consisting of distorted MoO_6 octahedral.

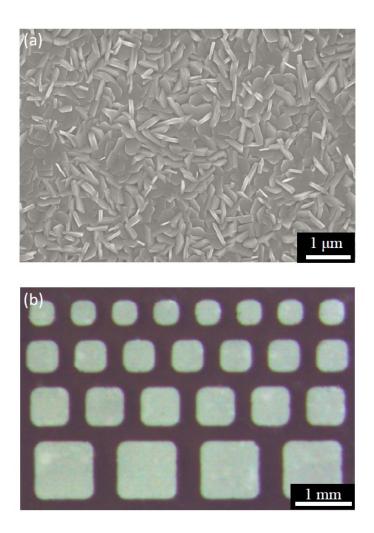


Fig. S2 (a) Top-view SEM image of the prepared MoO_{3-x} film. It shows a polycrystalline microstructure with plate-shaped grains randomly piled up together. (b) Photography of the measured cells with different top electrode sizes.