

A highly transparent humidity sensor with fast response speed based on α -MoO₃ thin films

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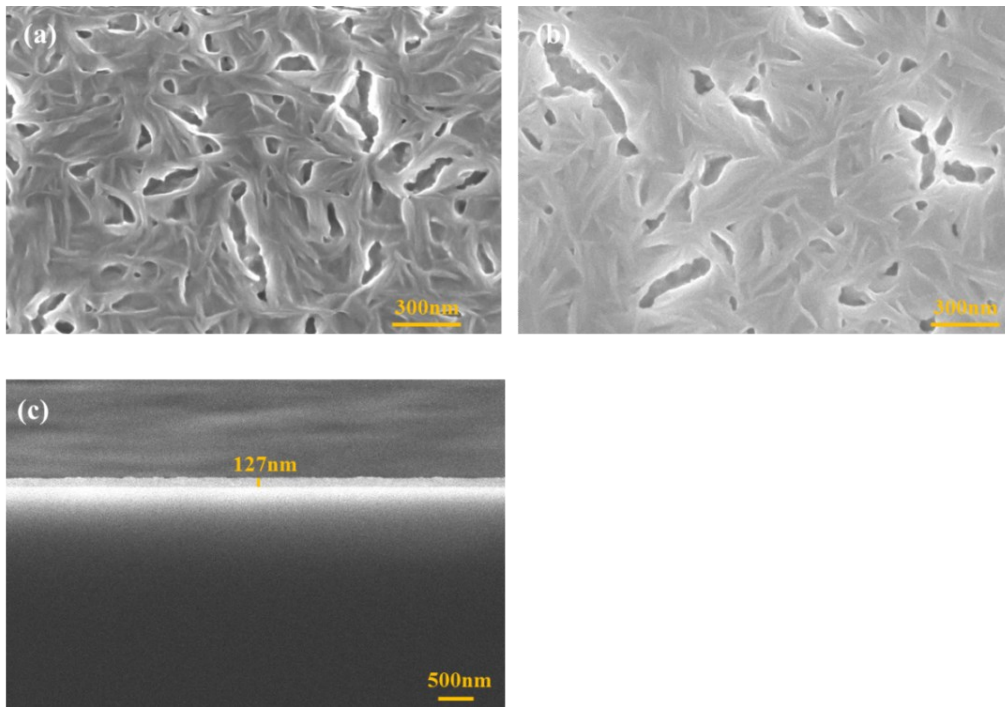


Fig.S1 SEM images of the H_2MoO_5 thin film on the surface of (a) channel and (b) FTO electrode. (c) Cross-sectional SEM image of the H_2MoO_5 thin film on the surface of channel.

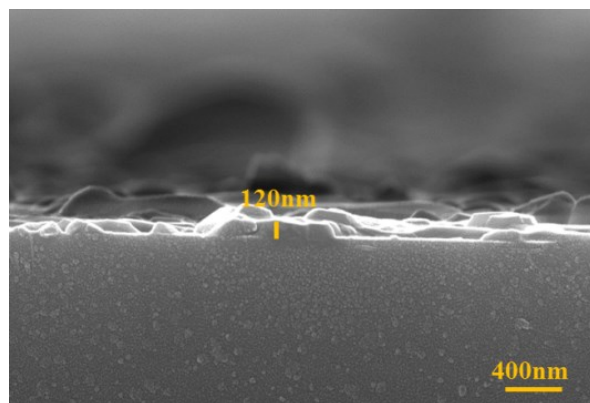


Fig.S2 Cross-sectional SEM image of the $\alpha\text{-MoO}_3$ thin film on the surface of channel

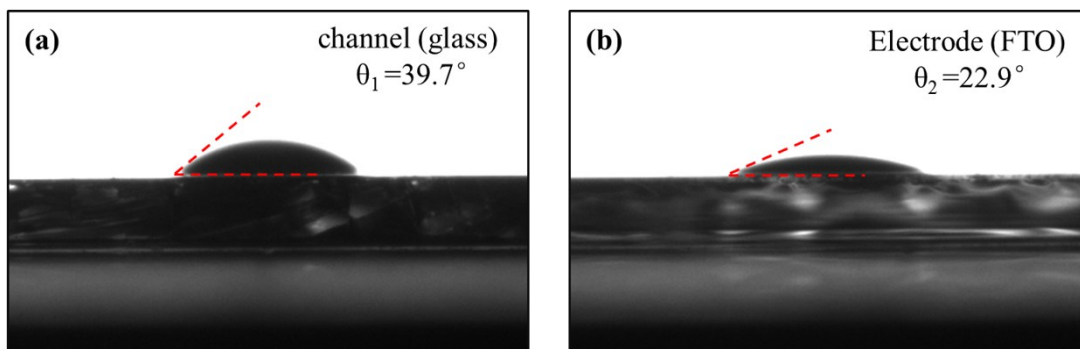


Fig.S3 The contact angles of the molybdate solution with the (a) channel (glass) and (b) electrode (FTO).

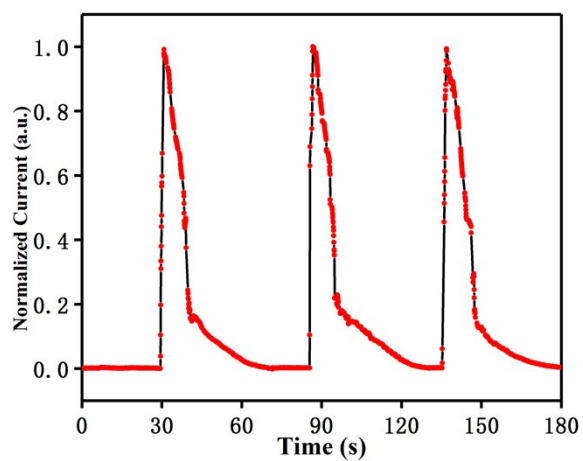


Fig.S4 The cycling performance of the humidity sensor between 11% and 95% RH.