

Supporting Information

Charge transport properties of co-evaporated organic-inorganic thin film charge transfer complexes: effects of intermolecular interactions

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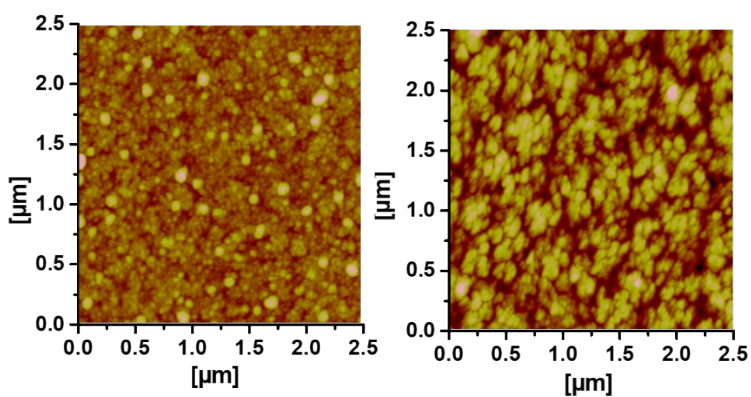


Fig. S1 AFM images of MoO₃:6T (left) and pure 6T (right) films

AFM images of the MoO₃:6T and pristine 6T films are shown in Fig. S1. Obviously, the surface of MoO₃:6T is smoother than 6T, with root mean square (Rms) roughness of ~3 nm and 5 nm, respectively. No observable pinholes are shown in their surface morphologies.

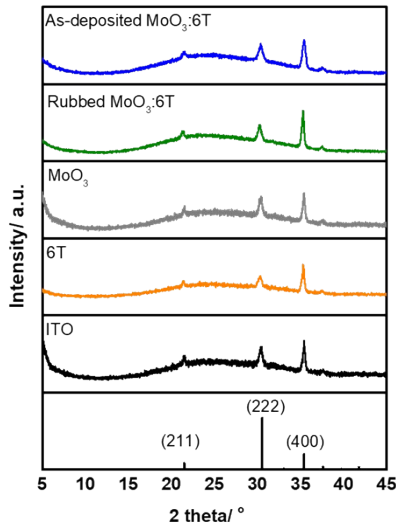


Fig. S2 XRD patterns of the as-deposited MoO₃:6T, rubbed MoO₃:6T, MoO₃ and 6T deposited on ITO substrates

XRD data of the as-deposited MoO₃:6T, rubbed MoO₃:6T, MoO₃ and 6T deposited on ITO substrates are shown in Fig. S2. All these films show the XRD peaks of the ITO substrate. No other detectable peaks from the 6T, MoO₃ or the CTC are observed, demonstrating the amorphous nature of these vacuum-deposited films.