

Fig. S1. Cyclic voltammogram of the dyad monolayer film deposited onto ITO electrode at 10 mN m^{-1} in acetonitrile solvent. Supporting electrolyte: TBAPF_6 ; counter electrode: Pt; reference electrode: Ag/Ag^+ ; scan rate: 500 mV s^{-1} .

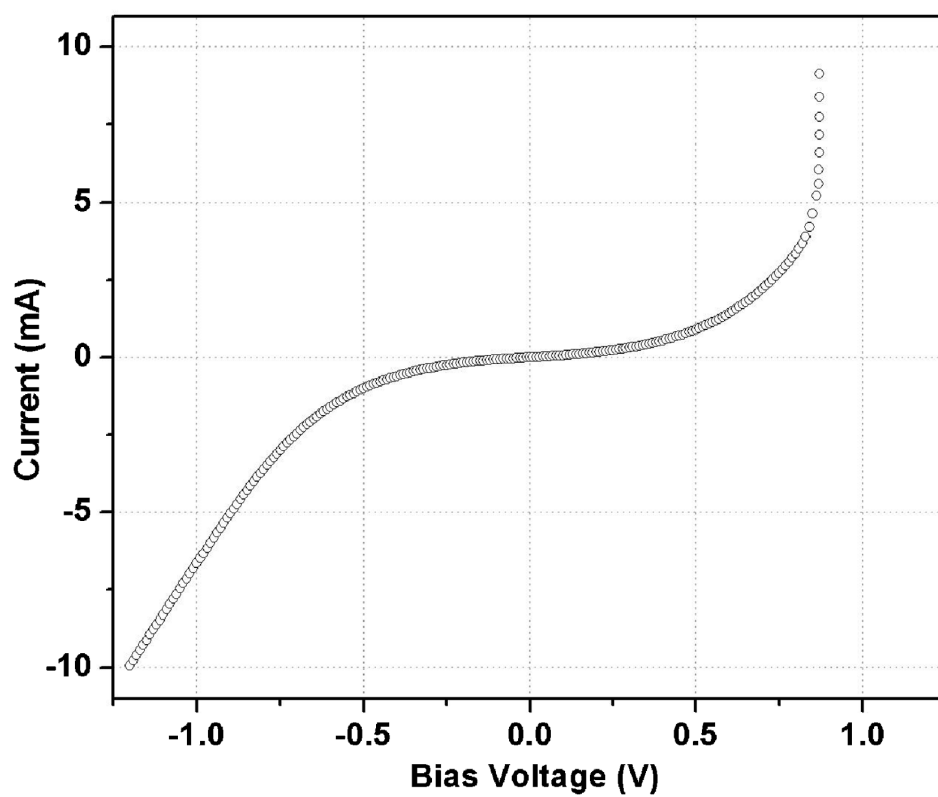


Fig. S2. *I-V* characteristics of Y-type film of two monolayers deposited at 10 mN m^{-1} leading to symmetrical *I-V* behaviour due to centrosymmetry.