

## Novel vinylene-bridged donor-acceptor copolymers: Synthesis, characterization, properties and effect of cyano substitution

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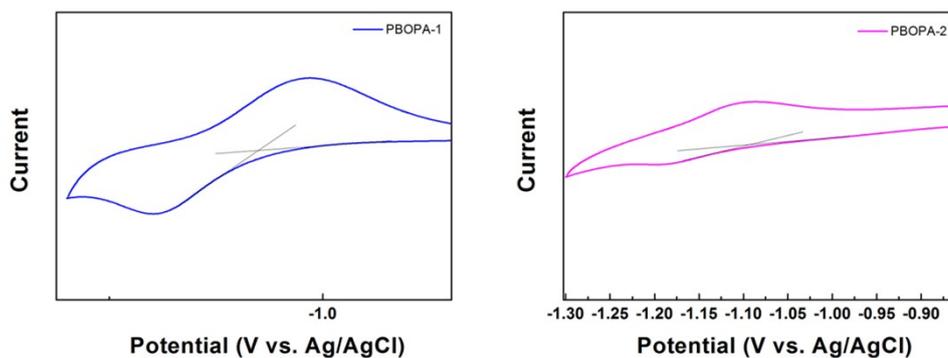


Figure S1. Cyclic voltammograms of POBA-1 and PBOPA-2.

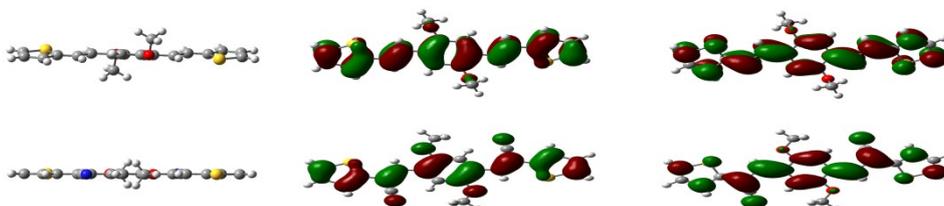


Figure S2. The calculated results of BOPA and BOPACN.

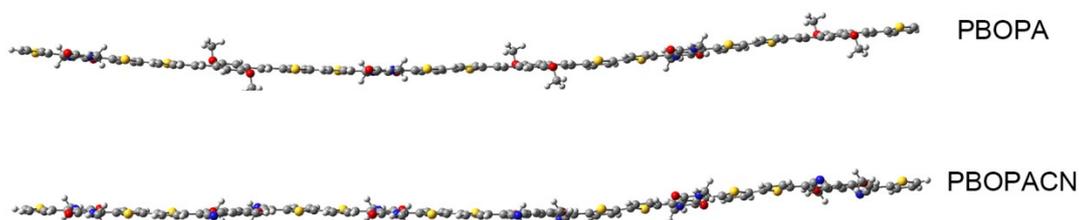


Figure S3. The side views of calculated results of PBOPA and PBOPACN.

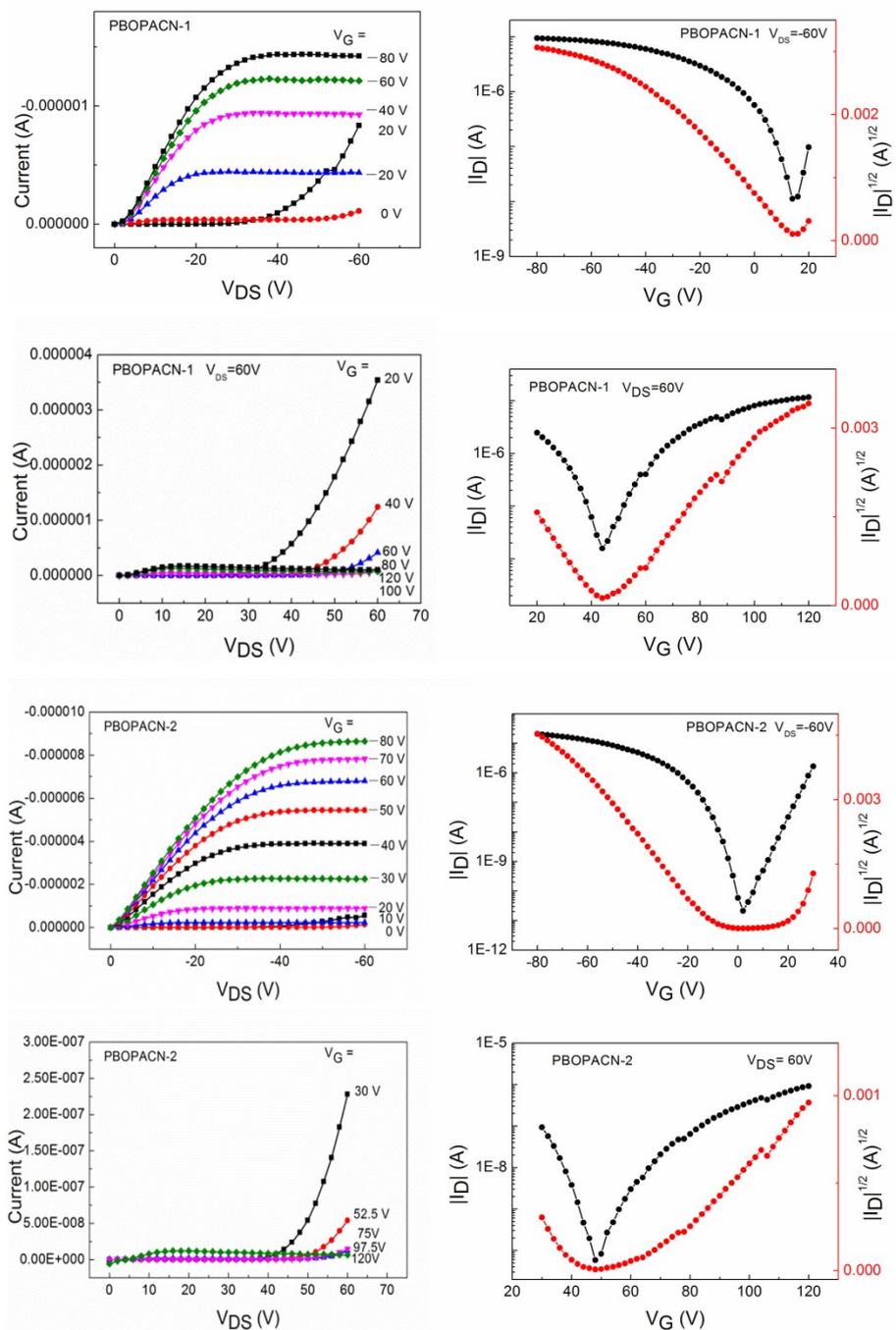


Figure S4. Output and transfer curves of OFETs based on PBOPACN-1 and PBOPACN-2 tested in the glove box.

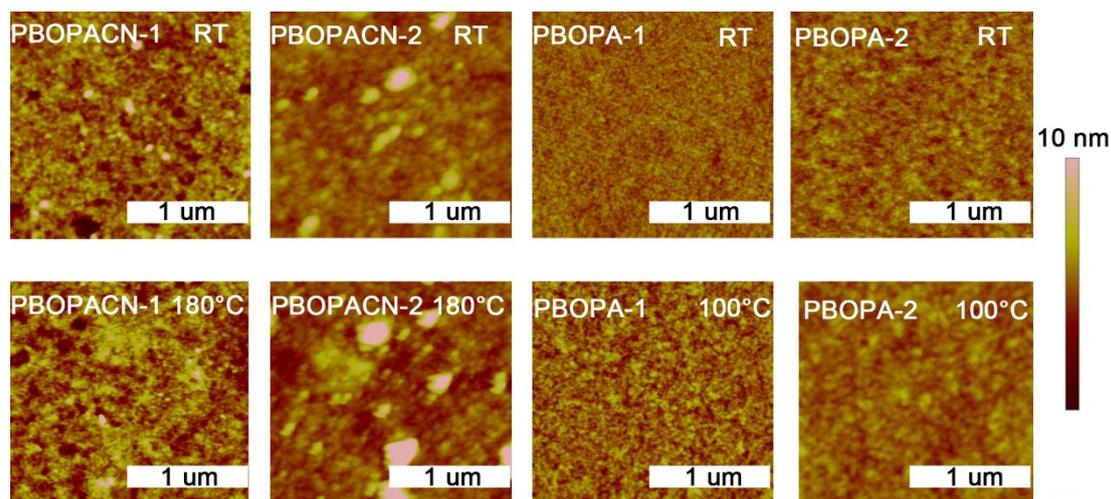


Figure S5. AFM images of PBOPACN-1 (RT and 180 °C), PBOPACN-2 (RT and 180 °C), PBOPA-1 (RT and 100 °C) and PBOAN-2 (RT and 100 °C).

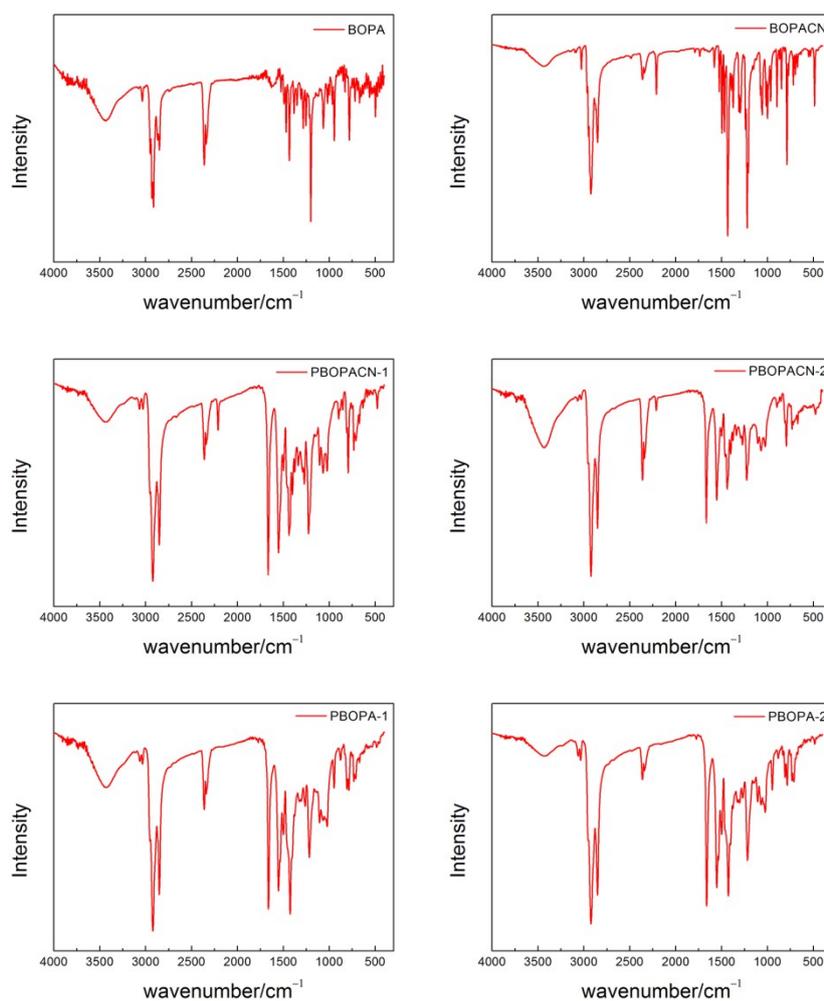


Figure S6. The Infrared spectra (IR) of monomers (BOPA and BOPACN) and all the four polymers (PBOPACN-1, PBOPACN-2, PBOPA-1 and PBOPA-2).