

Supplementary Information for

Transparent organic thin-film transistors and nonvolatile memory devices fabricated on flexible plastic substrates

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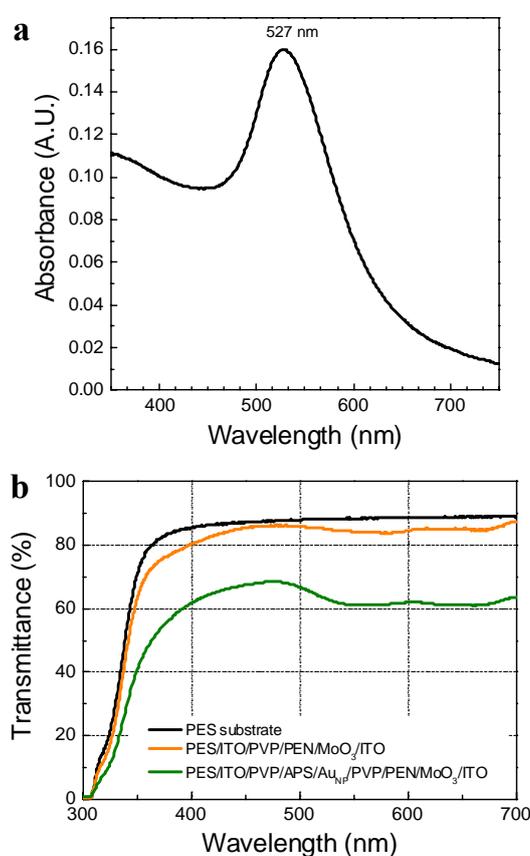


Figure S1. (a) UV-visible absorption spectrum of the Au_{NP} solution that was synthesised using the citrate reduction method. (b) The transmittance spectra of the OTFTs and organic memory devices. The transmittance was 86% for the PES/ITO/PVP/APTES/PVP/pentacene/MoO₃/ITO device and 67% for the PES/ITO/PVP/APTES/Au_{NP}/PVP/pentacene/MoO₃/ITO device (at a wavelength of 500 nm).

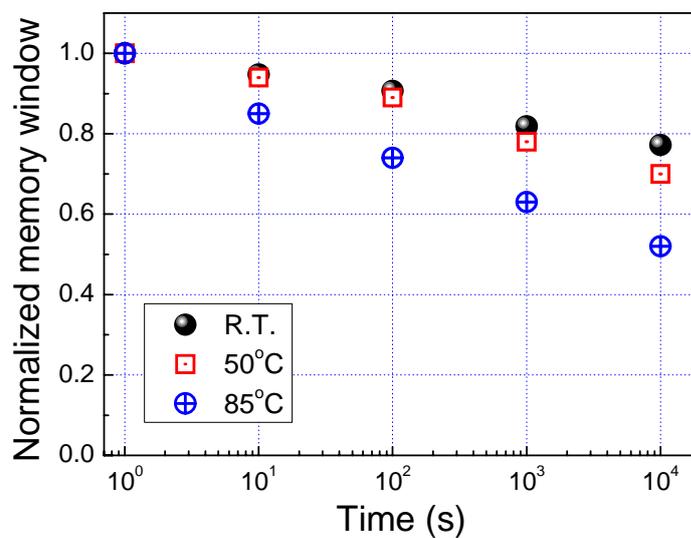


Figure S2. The change of normalized memory window according to the retention time at different temperatures (room temperature (R.T.), 50°C, and 85°C). The normalized memory window was calculated by using the following equation (ΔV_{th} (retained)/ ΔV_{th} (initial)).