

Supporting Information

Strain and thermal induced tunable charging phenomenon in low power flexible memory arrays with gold nanoparticle monolayer

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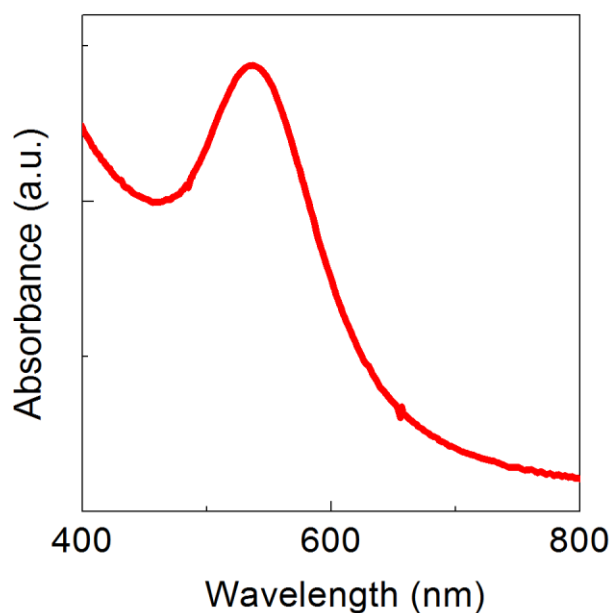


Fig. S1. UV-vis spectrum of Au nanoparticles aqueous solution.

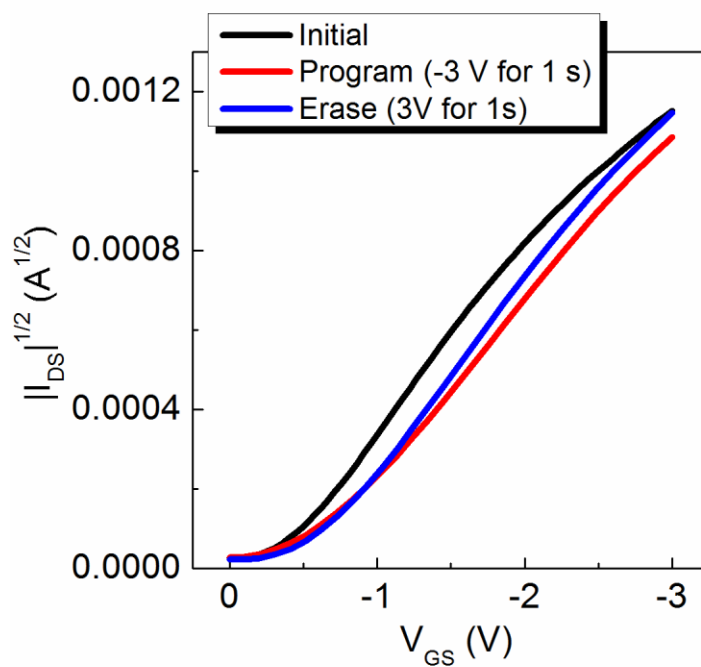


Fig. S2. Transfer characteristics of the transistors without inserting Au nanoparticles monolayer at the initial state, programmed state and erased state.

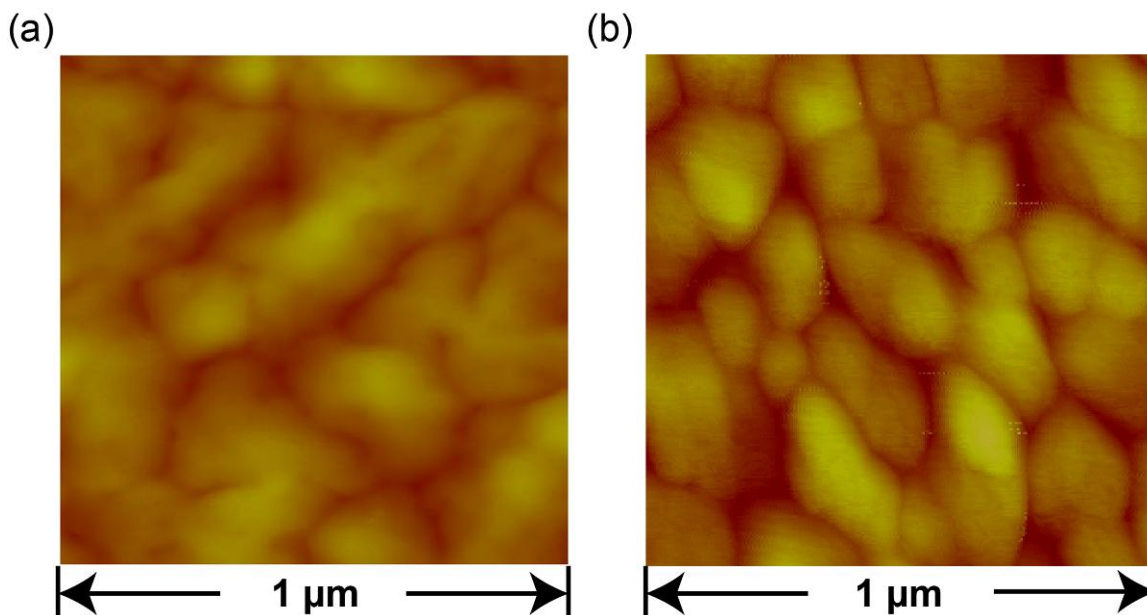


Fig. S3. (a) AFM image of pentacene layer on Al_2O_3 . (b) AFM image of pentacene layer on PET.

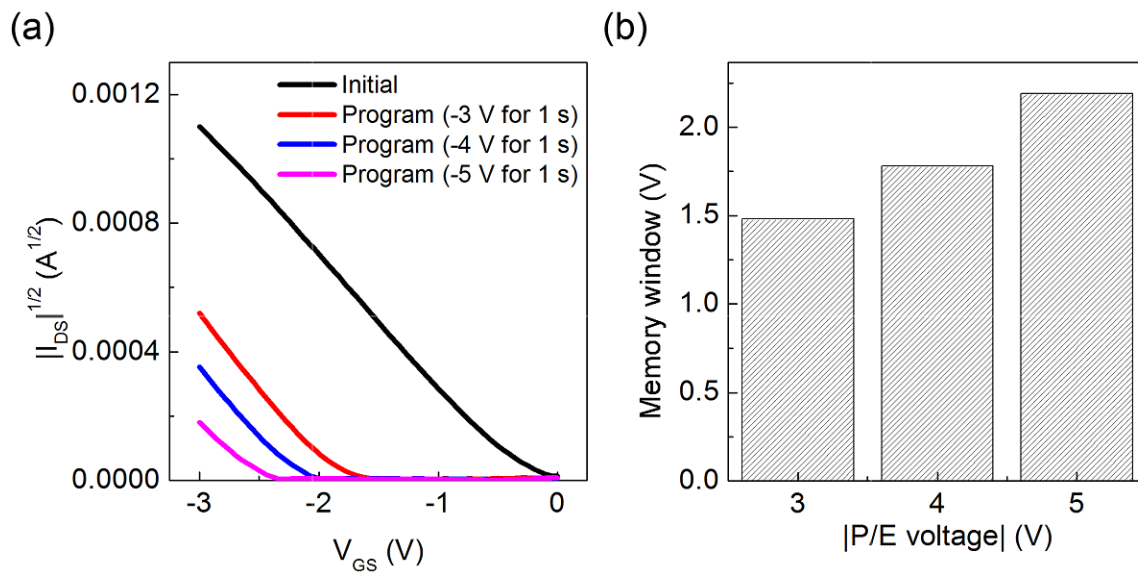


Fig. S4. (a) Transfer characteristics of the memory device at different program voltages.

(b) Memory window as a function of P/E voltage.