

Supplementary Material

Flexible Metal Oxide Thin-Film Transistors Produced by Nanofiber-to-Film Process

Danna Zhang^{a,b,1}, Guangtan Miao^{a,b,1}, Guoxia Liu^{a,b,2}, and Fukai Shan^{a,b,2}

^aCollege of Physics, Qingdao University, Qingdao 266071, China

^bCollege of Microtechnology & Nanotechnology, Qingdao University, Qingdao 266071, China

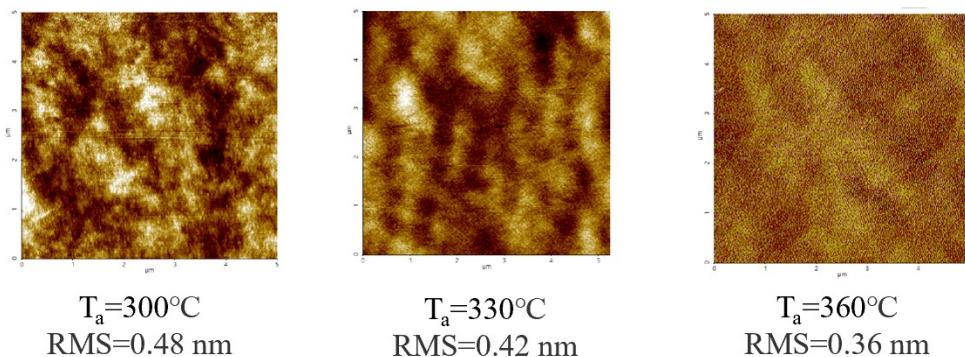


Fig. S1 AFM images of In_2O_3 thin-films annealed at various temperatures.

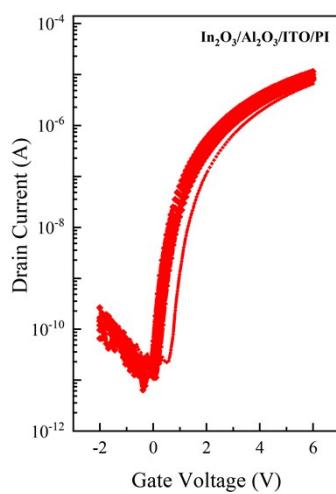


Fig. S2 Transfer curves of flexible $\text{In}_2\text{O}_3/\text{Al}_2\text{O}_3$ TFT array (4×5).

¹ Danna Zhang and Guangtan Miao contributed equally to this work.

² Corresponding author: Guoxia Liu (gxlui@qdu.edu.cn), Fukai Shan (fkshan@qdu.edu.cn)

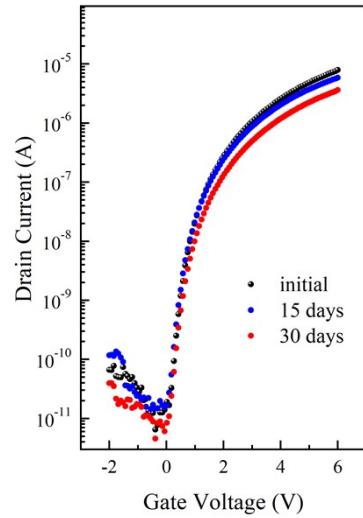


Fig. S3 Transfer curves of flexible $\text{In}_2\text{O}_3/\text{Al}_2\text{O}_3$ TFT after 30 days with aging.

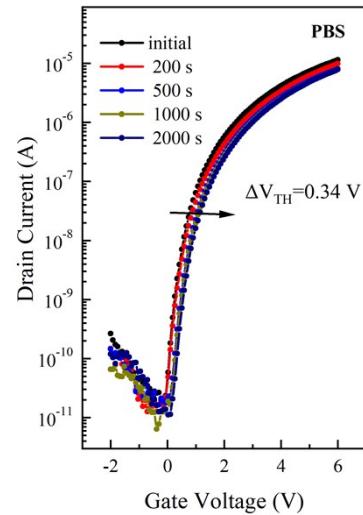


Fig. S4 PBS tests ($V_{GS} = 3$ V) for flexible $\text{In}_2\text{O}_3/\text{Al}_2\text{O}_3$ TFTs.