

A Comparative Study on Cation distribution effects in Heterogeneous channel IGZO TFTs via Atomic Layer Deposition Supercycle Design

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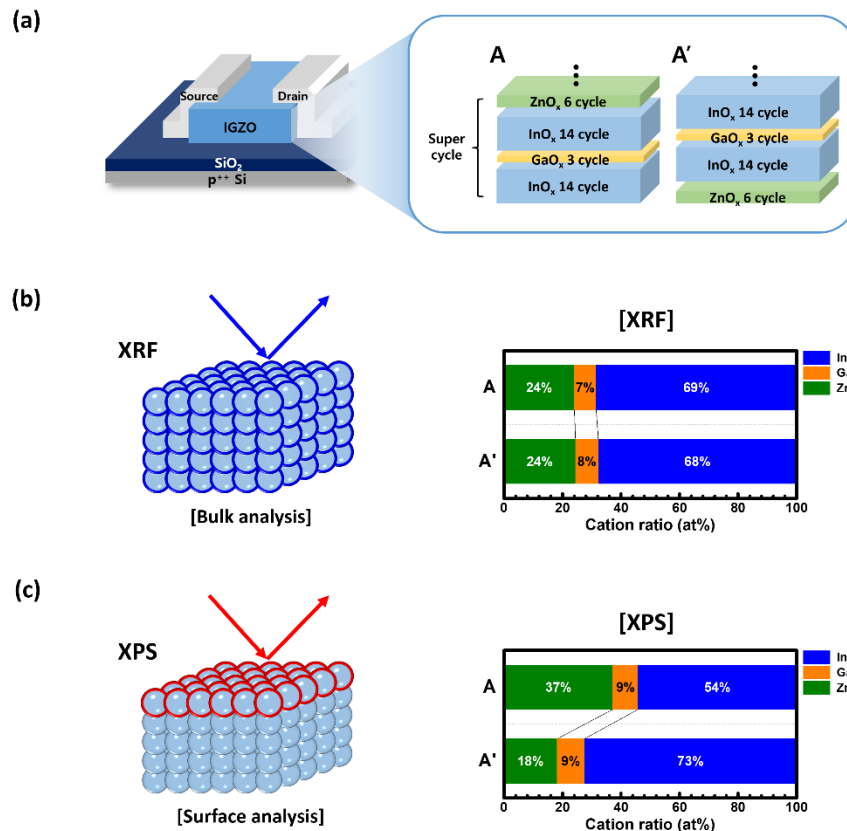


Fig. 1. (a) Schematics of IGZO TFT structure and ALD supercycle sequence of IGZO active layer. (b) Cation composition ratio of IGZO bulk by XRF analysis. (c) Cation composition ratio of IGZO surface by XPS analysis.

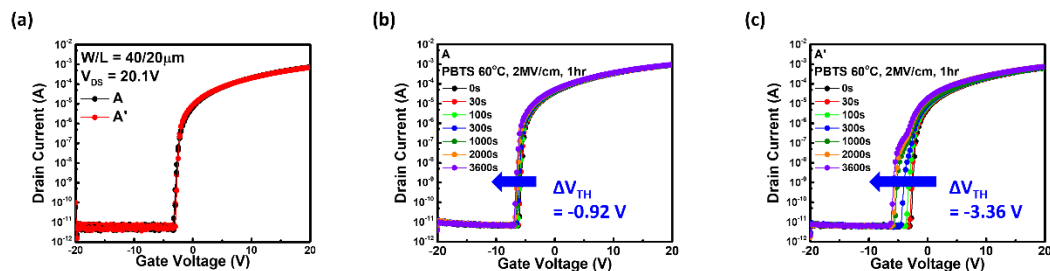


Fig. 2. (a) Representative transfer curves for A and A'. Transfer curve evolution under PBTS (electric field = 2MV/cm and temperature = 60°C for 1h) for the (b) A TFT and (c) A' TFT.