## Roll-to-roll transfer printing method for flexible inorganic devices

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Fabrication of flexible thin film transistors (TFTs) are of much interest as they are the basic components for realizing the future flexible, wearable and foldable displays. Oxides based, eg. ZnO and In-Ga-ZnO (IGZO) TFTs, act as an active matrix in OLED displays, attract much attention due to their great electrical performance over Si or organic semiconductors. The main challenging issue is related to direct fabrication or transferring after fabrication on flexible large area substrate without further deteriorating the electrical performance. We fabricated the IGZO based TFTs array on flexible plastic or even rubber substrate using roll-to-roll transfer printing technique. Electrical and mechanical stabilities are investigated before and after transferring the TFTs array on flexible substrate.