(a) (b)

Fig. 3.8 Different bias in TBC structures (a) TBC bot-source and (b) TBC top-source

(a) (b)

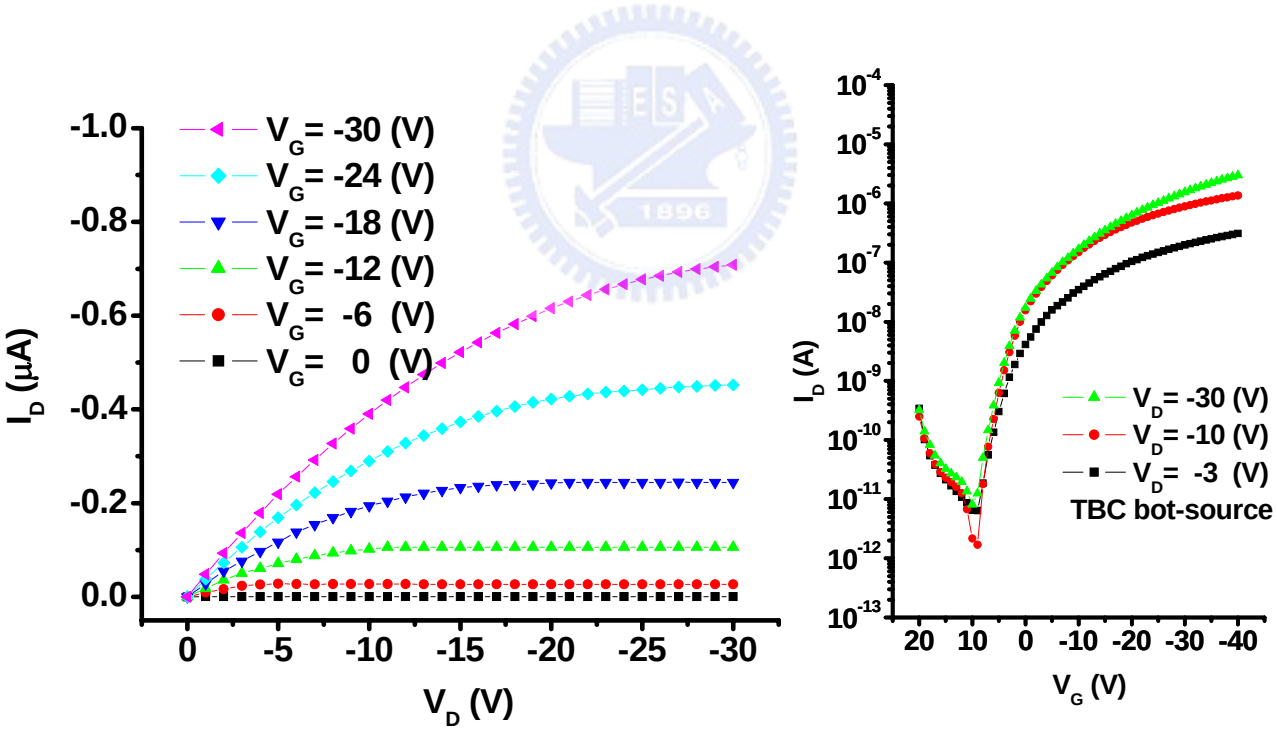


Fig. 3.9 (a)Output characteristics and (b)transfer characteristics of TBC bottom-source

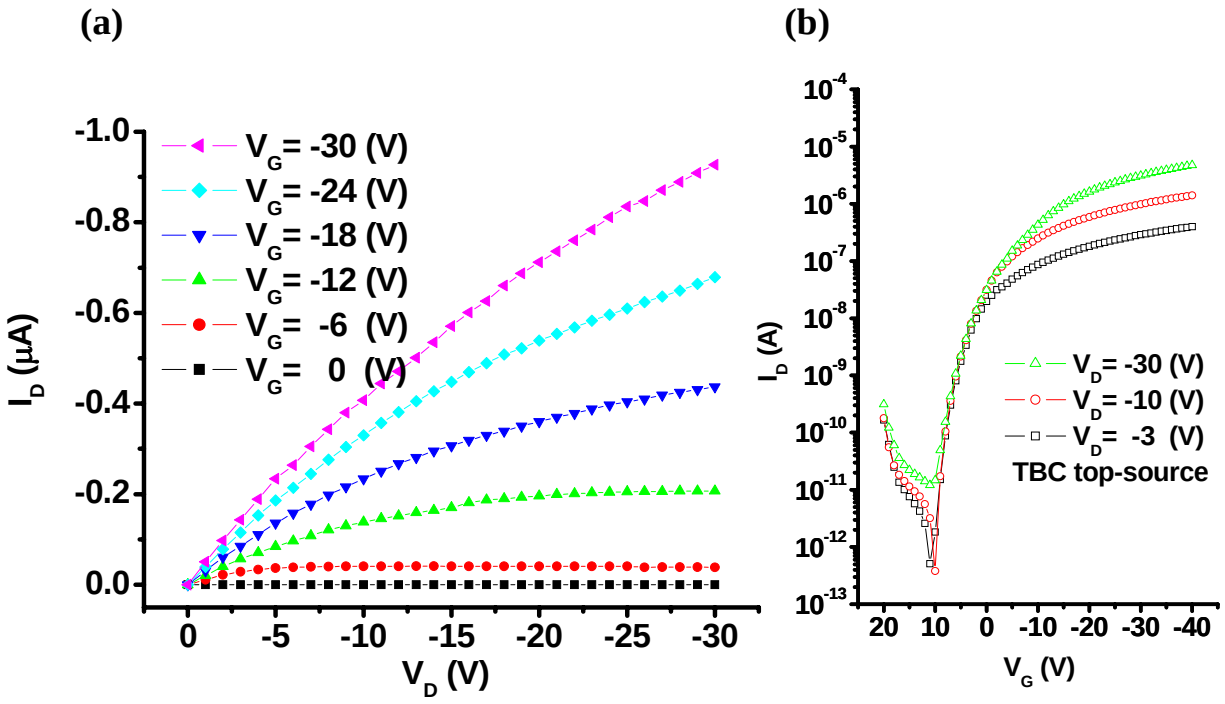


Fig 3.10 (a)Output characteristics and (b) transfer characteristics of TBC top-source

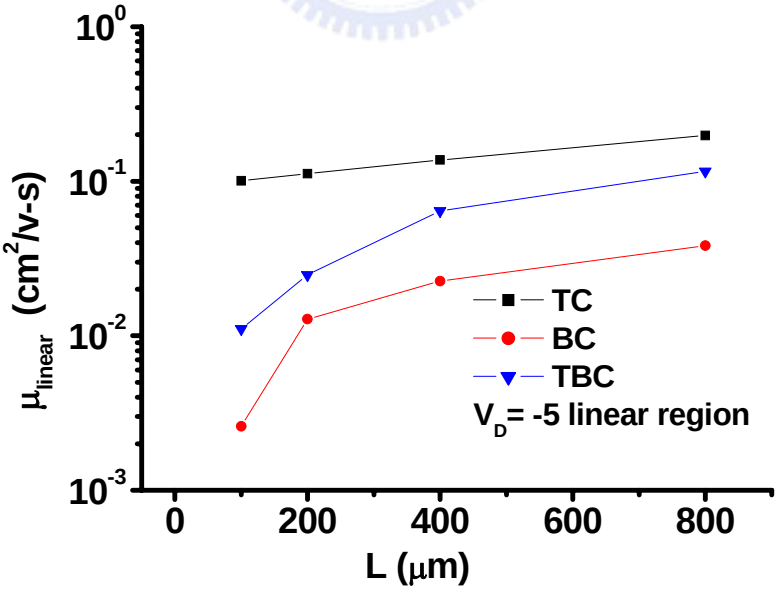
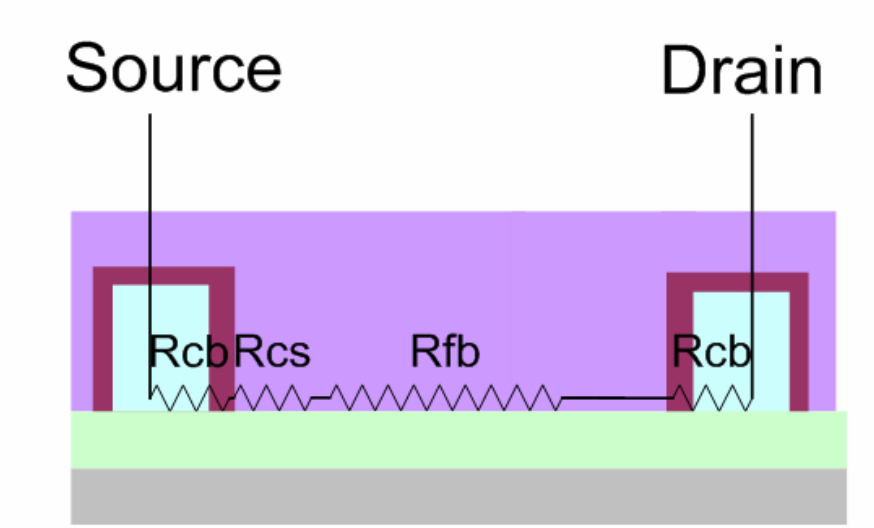


Fig 3.11 Mobility lowing in TC, BC, TBC OTFTs

(a)



(b)

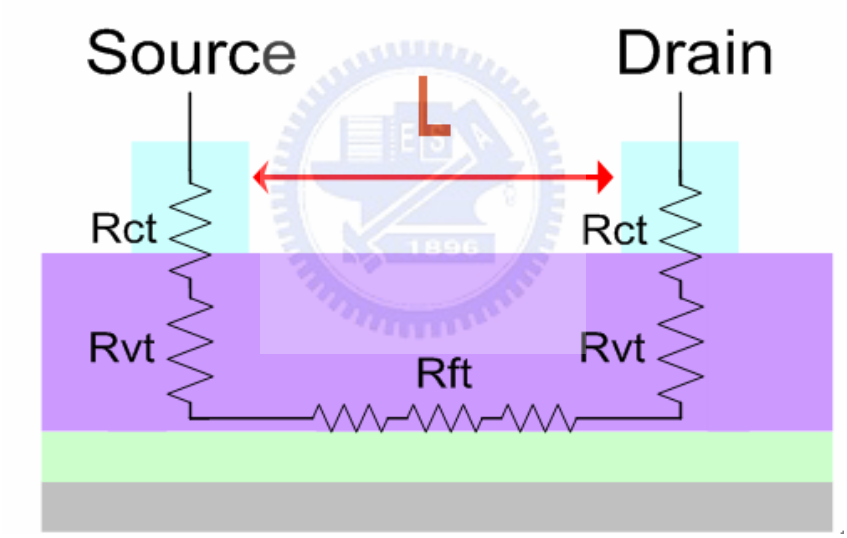


Fig. 3.12 R_{on} Modeling in (a) BC OTFTs and (b) TC OTFTs

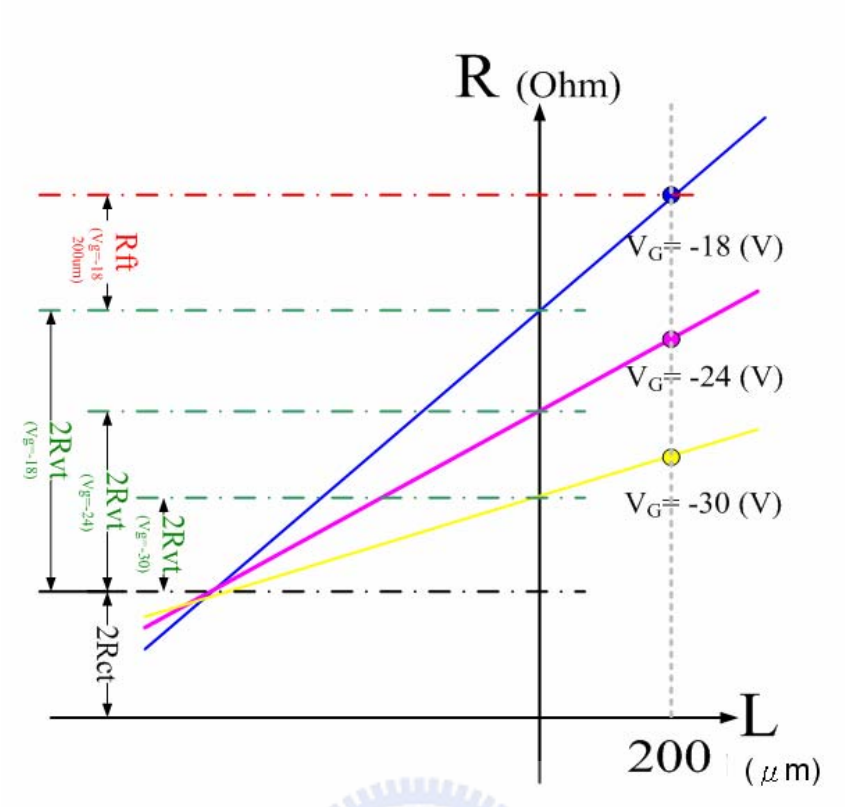


Fig. 3.13 R_{ft}, R_{vt}, and R_{ct} extraction and definition in TC OTFTs

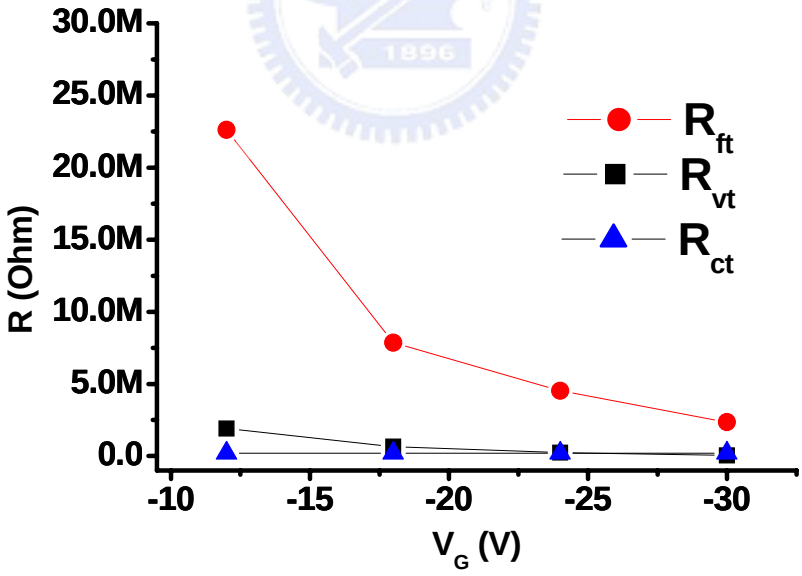


Fig. 3.14 Extracted resistances plotted as the function of gate-voltages in TC OTFTs

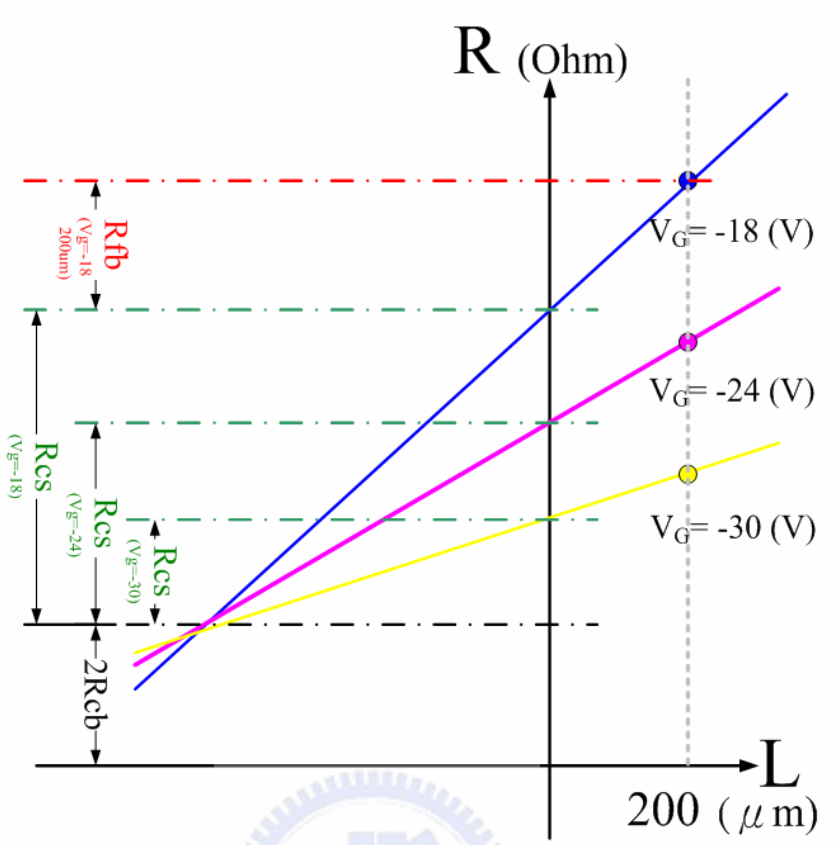


Fig. 3.15 R_{fb}, R_{cs}, and R_{cb} extraction and definition in BC OTFTs

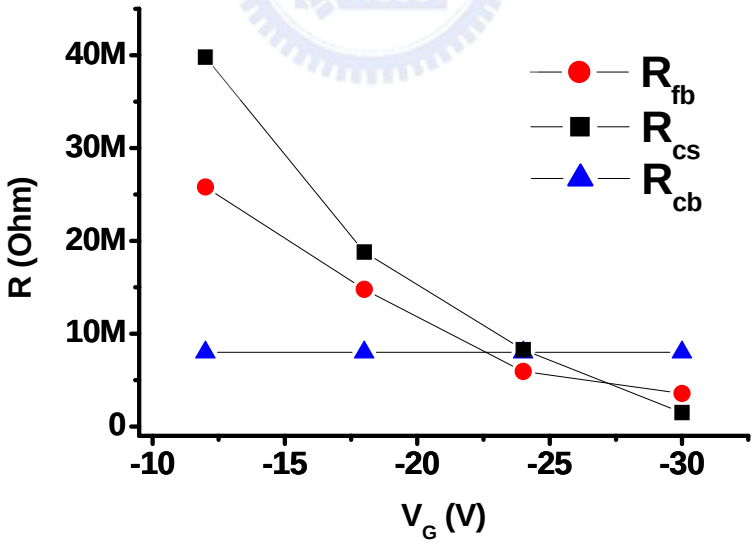


Fig. 3.16 Extracted resistance was plotted as a function of the gate-voltage in BC OTFTs

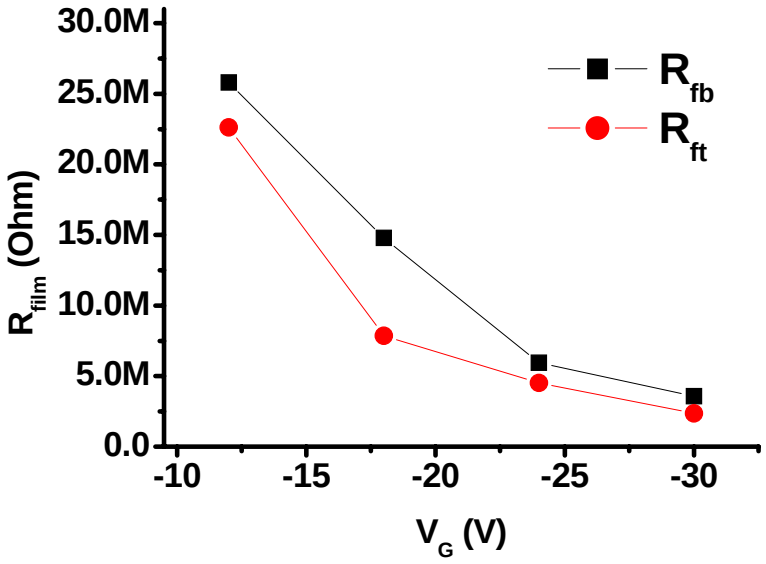


Fig. 3.17 Film resistances from the TC OTFTs and the BC OTFTs are presented as the function of gate-voltage.

(a) **(b)**

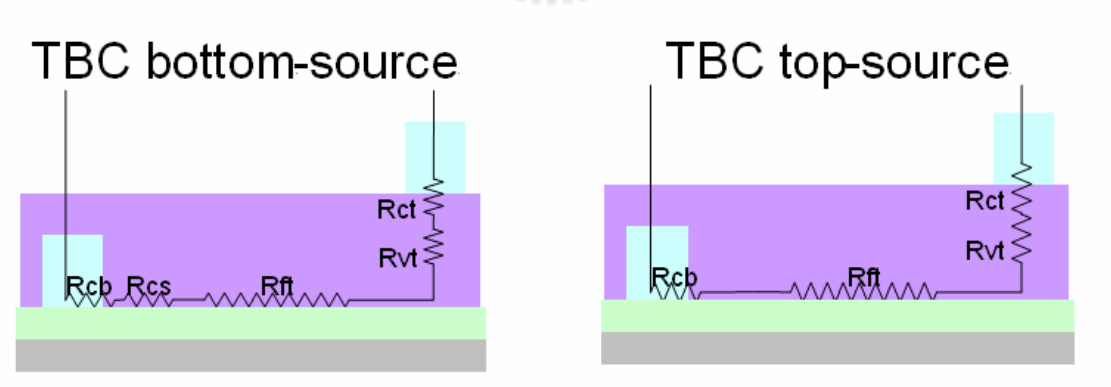
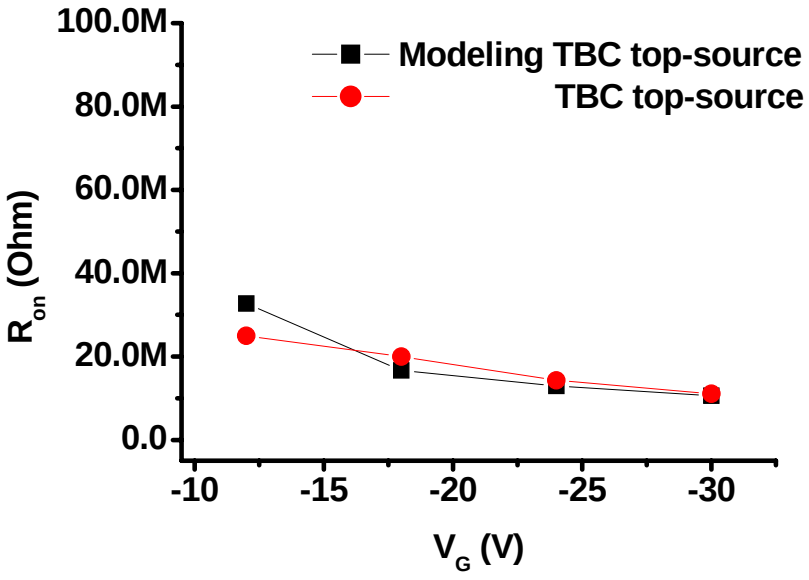


Fig. 3.18 R_{on} modeling in (a) TBC bot-source (b) TBC top-source

(a)



(b)

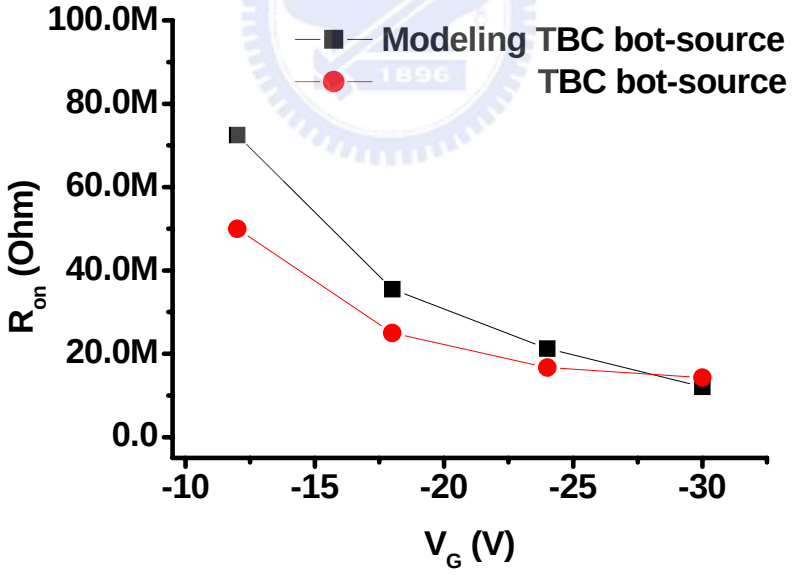


Fig. 3.19 Total resistances from modeling and experiment are plotted (a) TBC bot-source (b) TBC top-source