

Fig 1. Flat-band voltage ( $V_{FB}$ ) vs. thickness for pristine  $Y_2O_3$ ,  $La_2O_3$ , and FST-treated  $Y_2O_3$ .

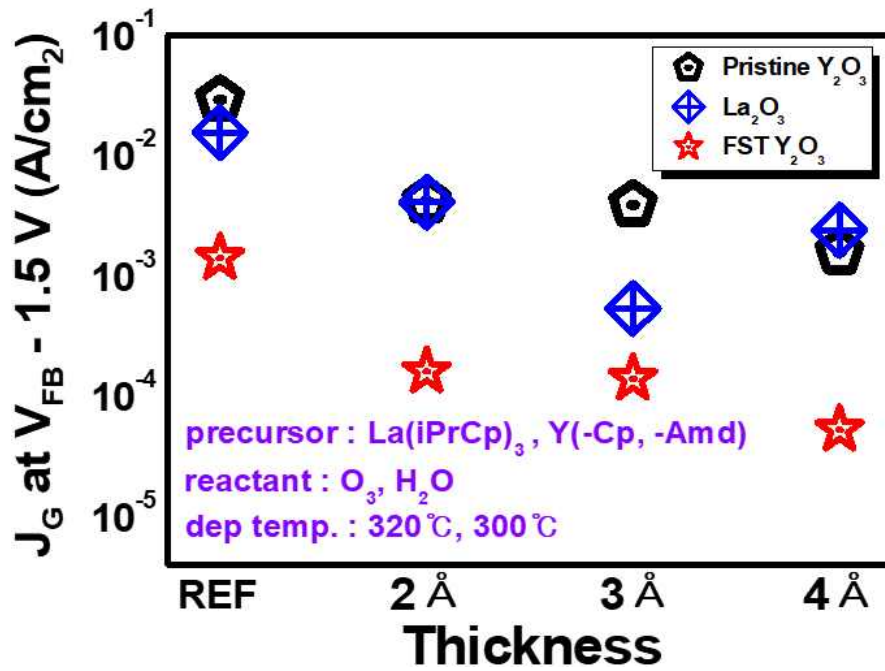


Fig 2. Gate leakage current ( $J_G$ ) vs. thickness for pristine  $Y_2O_3$ ,  $La_2O_3$ , and FST-treated  $Y_2O_3$ .