

Figure 1. (Left) Plot of  $Al_2O_3$  thickness versus  $Al_2O_3$  ALD cycles for different underlying  $Nb_2O_5$  cycles. (Right) Plot of  $Al_2O_3$  nucleation cycles vs underlying fixed  $Nb_2O_5$  cycles..

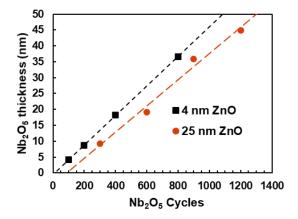


Figure 2. Nb<sub>2</sub>O<sub>5</sub> thickness vs Nb<sub>2</sub>O<sub>5</sub> ALD cycles on 4 nm ZnO (black squares) and 25 nm ZnO (orange circles). Dashed lines indicate linear fits for determining GPC and nucleation cycles.