

Fig. 1. (a) Thermal decomposition test of TBTEMT precursor without reactant and (b) deposition temperature dependence of the growth rate of ALD-Ta₂O₅ films.

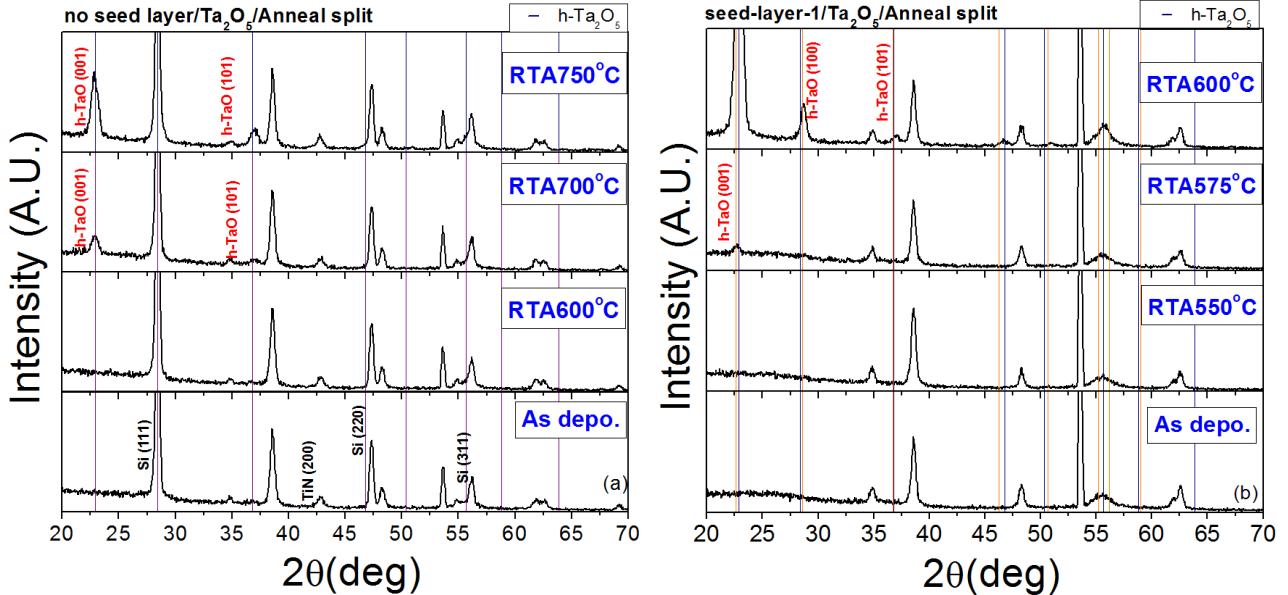


Fig. 2. XRD patterns of ALD-grown Ta₂O₅ films on TiN electrode: (a) Ta₂O₅ only and (b) Ta₂O₅ on a seed-layer.

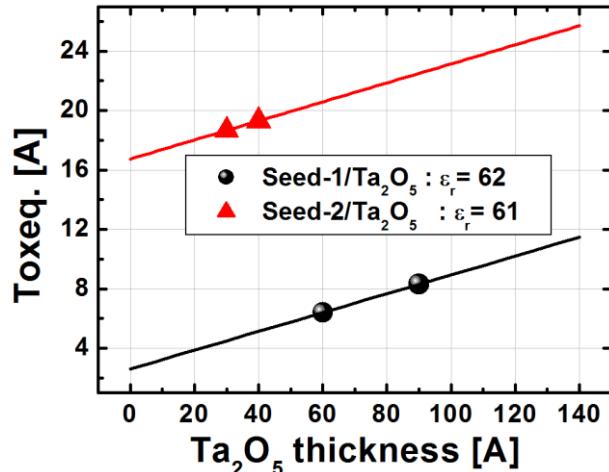


Fig. 3. Dependence of Toxeq. On the Ta₂O₅ film thickness for TIT-seed-layer-1/Ta₂O₅ and RIS-seed-layer-2/Ta₂O₅ capacitor.