



Figure - (a) Characterizations of gallium-amidinate complexes as potential ALD precursors by $^1\text{H-NMR}$, single-crystal XRD and TGA/DSC; (b) Evaluation of precursor reactivity by in-situ Quartz Crystal Microbalance measurements (TDMAG = $[\text{Ga}(\text{NMe}_2)_3]_2$; L = amidinate)