

Literature

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Figures:

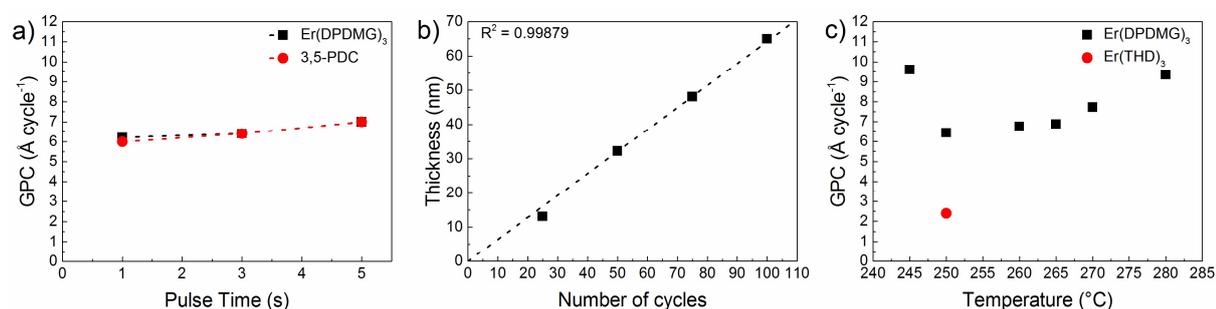


Figure 1: ALD/MLD characteristics for the $[\text{Er}(\text{DPDMG})_3] / 3,5\text{-PDA}$ process: a) Saturation study of inorganic and organic precursor; b) Linearity of thickness vs. number of cycles; c) Temperature dependency, ALD window.

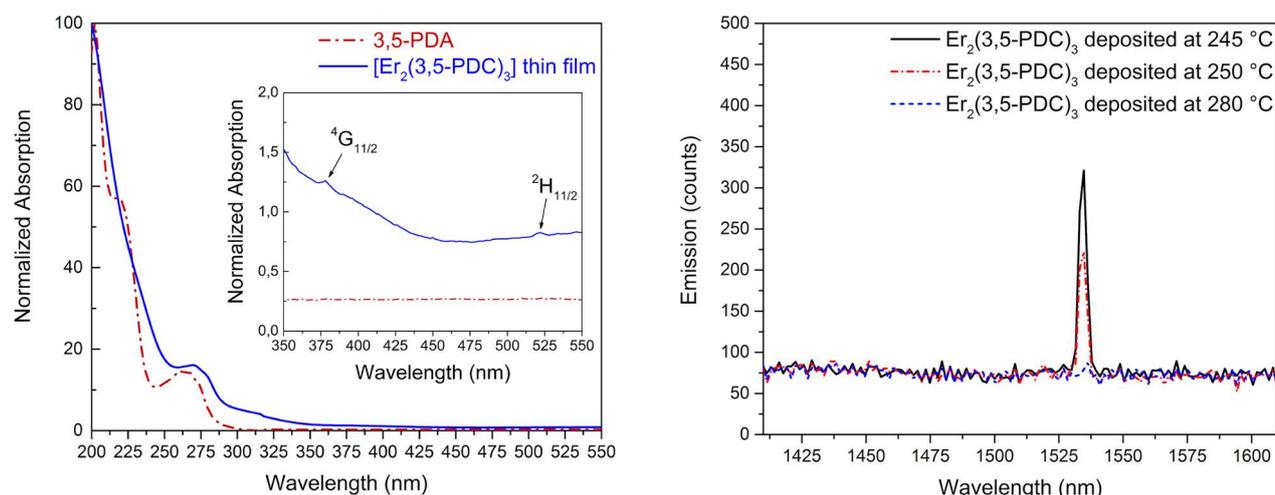


Figure 2: Left: UV-Vis spectra for a 45 nm $[\text{Er}_2(3,5\text{-PDC})_3]$ hybrid thin film grown at 250 $^{\circ}\text{C}$ on quartz-glass and the pure 3,5-PDA precursor. Right: Emission spectra of $\text{Er}_2(3,5\text{-PDC})_3$ hybrid thin films grown at 245 $^{\circ}\text{C}$, 250 $^{\circ}\text{C}$ and 280 $^{\circ}\text{C}$, excited at 325 nm.