

Fig. 1: Pore radius of the γ -alumina membranes modified using temporal ALD, determined with permporemetry (PPM, plotted as a function of number of ALD cycles. a) Results for t-ALD (settings: $T_{growth}=250$ °C, precursor times: 0.1 s TiCl₄ & 0.1 s H₂O, N₂ purge: 4 s / 50 s) and b) for s-ALD (settings: T = 130°C, rotation frequency 20 rpm, $P_{TiCl4} = 0.3$ mbar, $P_{H2O} = 0.4$ mbar).