

Fig. 2. SEM pictures of (a) 3-D trenches with (b)-(c) Kaze and (d)-(e) ZyALD deposited on them (top and bottom of trench shown).

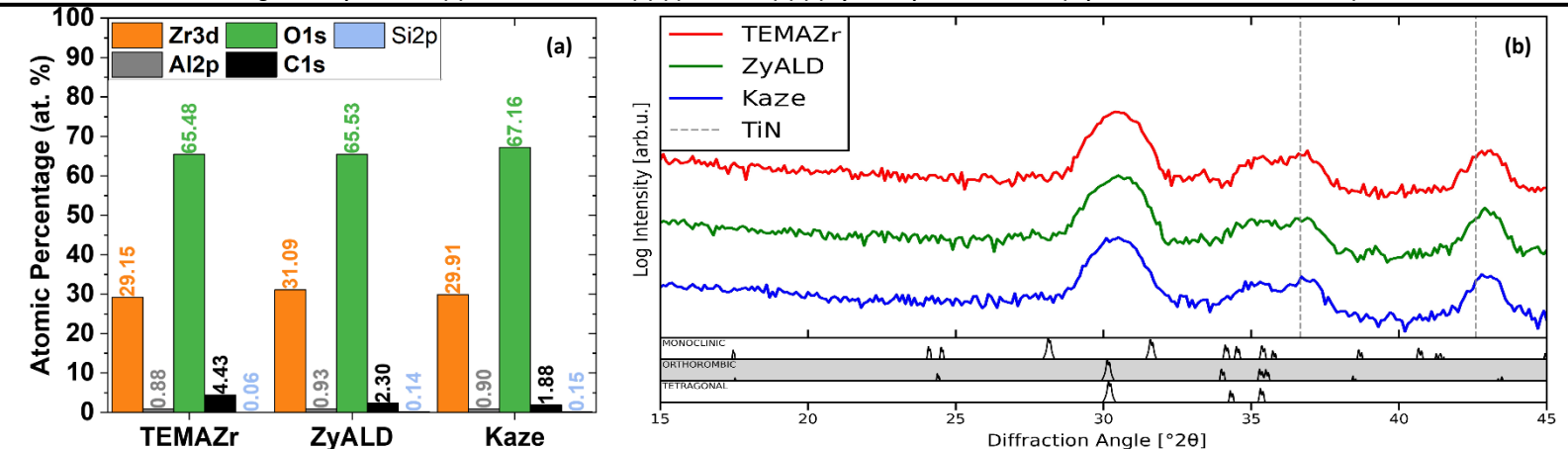


Fig. 3. (a) XPS- and (b) XRD-analysis of the $ZrAl_xO_y$ experiments with 3 "generations" of metalorganic ALD Zr-precursors.

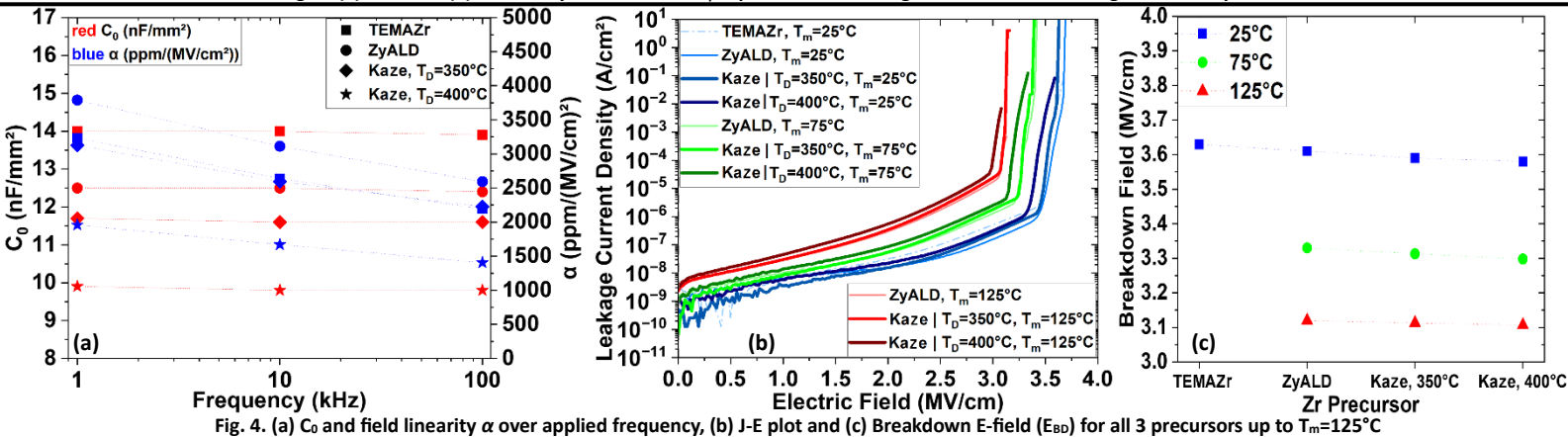


Fig. 4. (a) C_0 and field linearity α over applied frequency, (b) J-E plot and (c) Breakdown E-field (E_{BD}) for all 3 precursors up to $T_m=125^\circ\text{C}$

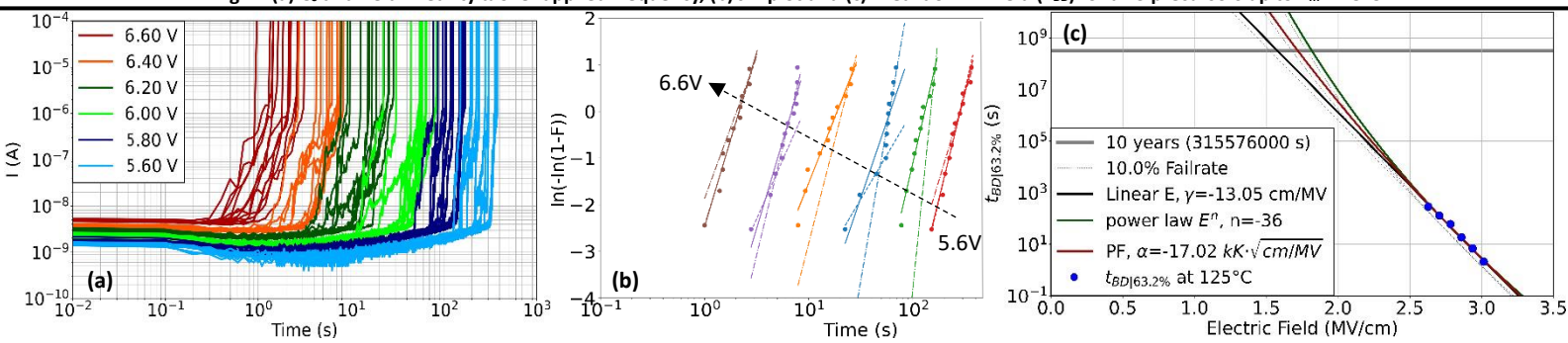


Fig. 5. Kaze with $T_D=400^\circ\text{C}$, at operating $T_m=125^\circ\text{C}$: (a) $I(t)$ and (b) Weibull plot close to E_{BD} , (c) extrapolated lifetime using several fitting models.