

SUPPLEMENTARY DATA

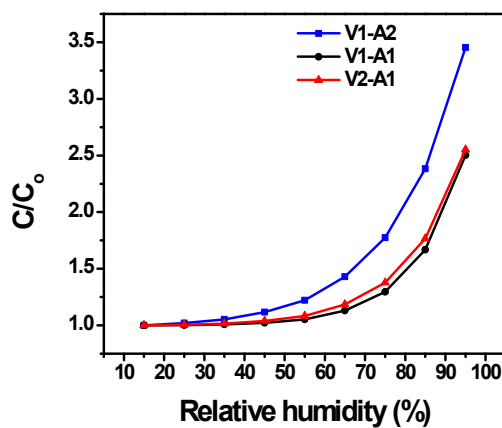


Figure S1: Dynamic variation of different composites (VoPcPho:Alq₃) Capacitance to Relative Humidity at 100Hz and °C. Whereas on y-axis, C and C₀ represent the capacitance at any certain humidity level and capacitance at 15 %RH, respectively.

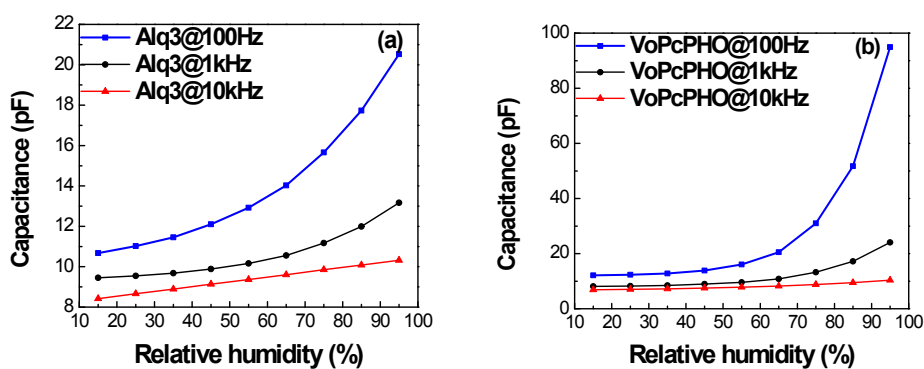


Figure S2: Dynamic variation of (a) Alq₃ and (b) VOPcPhO Capacitance to Relative Humidity at different frequencies

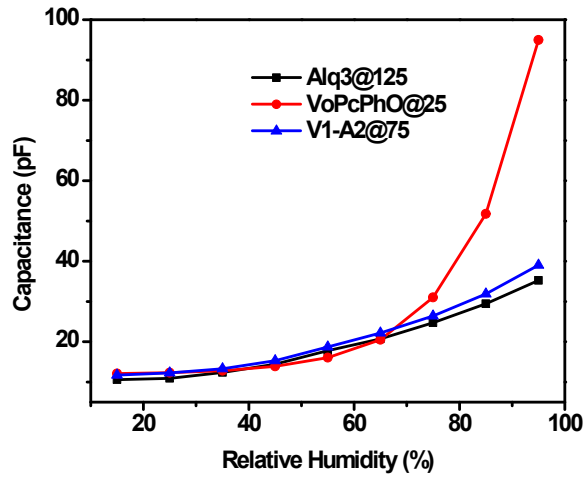


Figure: S3 Capacitance to Humidity sensing behavior best selected layers of of Alq₃ (b) VoPcPho and (c) composite

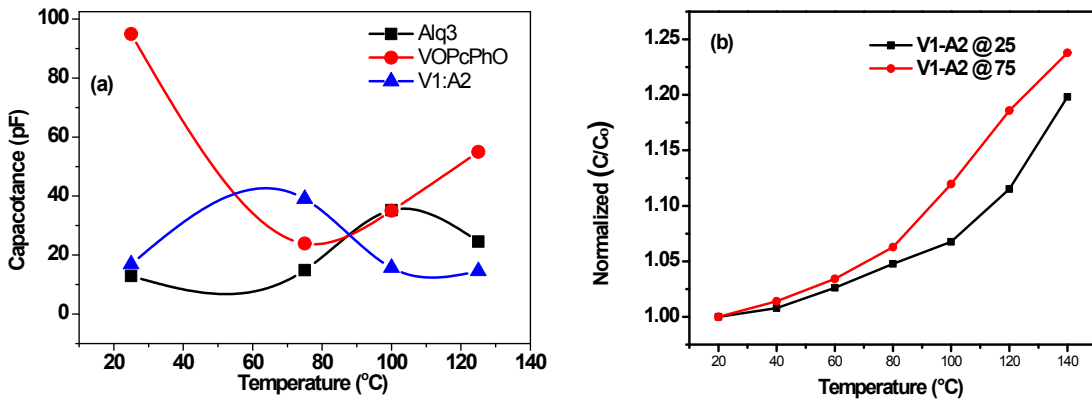


Figure S4 (a) Annealing temperature vs capacitance graph @ 90 %RH, (b) Normalized capacitance to temperature response of the desired composite at (a) 25 °C and (b) 75 °C.