



ADVANCED FUNCTIONAL MATERIALS

THIN FILMS

Organic electroluminescent devices driven by time-dependent voltages or alternating current offer an alternative to standard OLED technologies. However, very little is known about how this might translate into overall performance of such devices. D. Ma, D. L. Carroll, and co-workers demonstrate a solution-processed route to create highly efficient AC field-induced polymer EL devices, employing a solution-processable high-k dielectric. The high luminance and efficiency, as well as the solution processability, pave the way to industrial roll-to-roll manufacturing of solid-state lighting and displays.