

**Photoluminescence of film and solution
(Compound 4)**

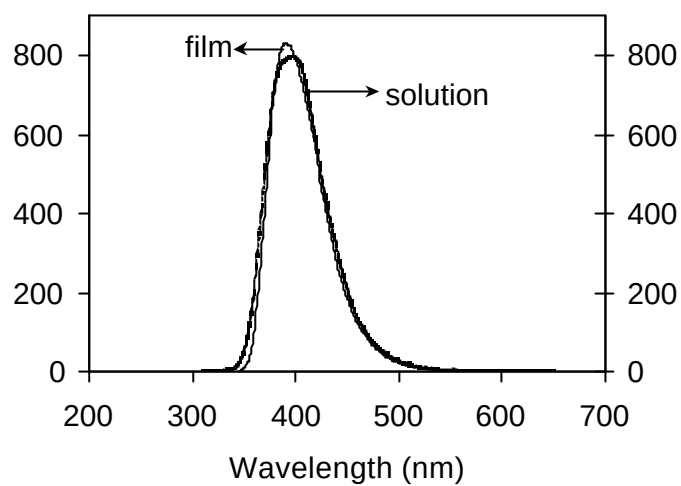


Figure 1

**Photoluminescence of film and
solution (Compound 5)**

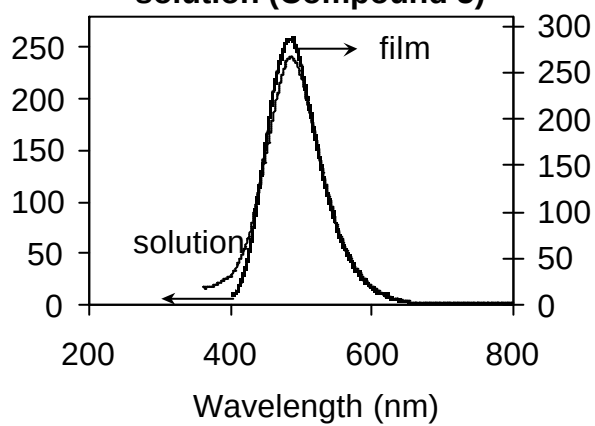
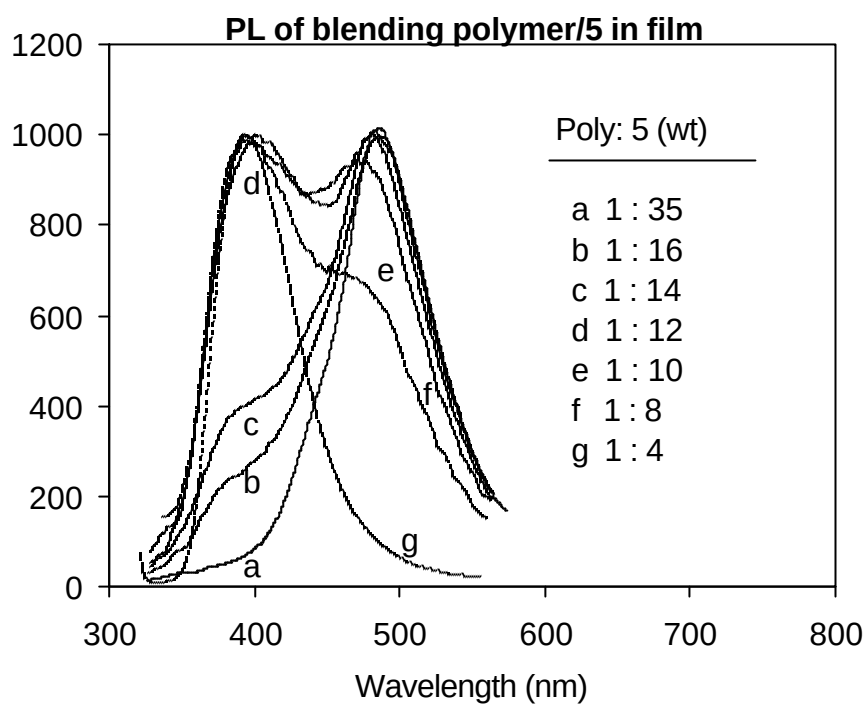
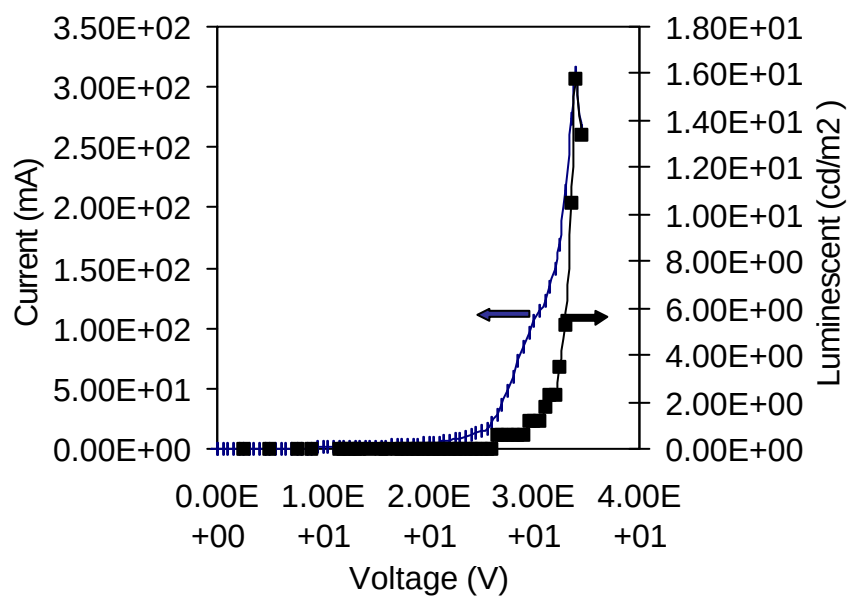
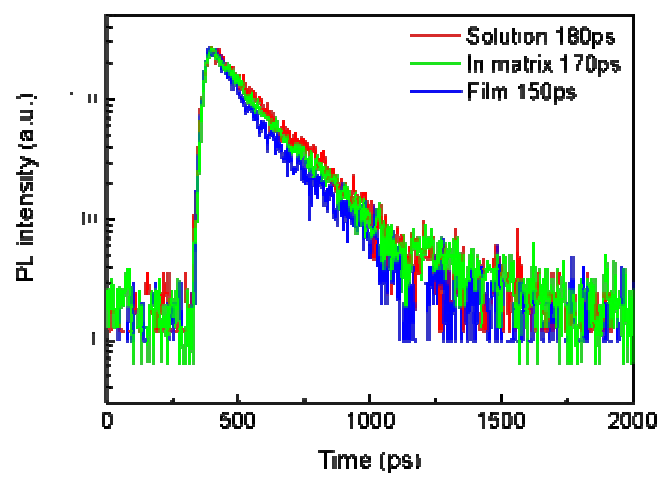


Figure 2

**Figure 3****Double layer devices ITO/HTL/3a/Ca****Figure 4**

**Figure 5**