

Supporting Information

**Synthesis of EDOT-containing polythiophenes and
their properties in relation to composition ratio of EDOT**

Ichiro Imae*, Ryo Ogino, Yoshiaki Tsuboi, Tatsunari Goto, Kenji Komaguchi, and Yutaka Harima

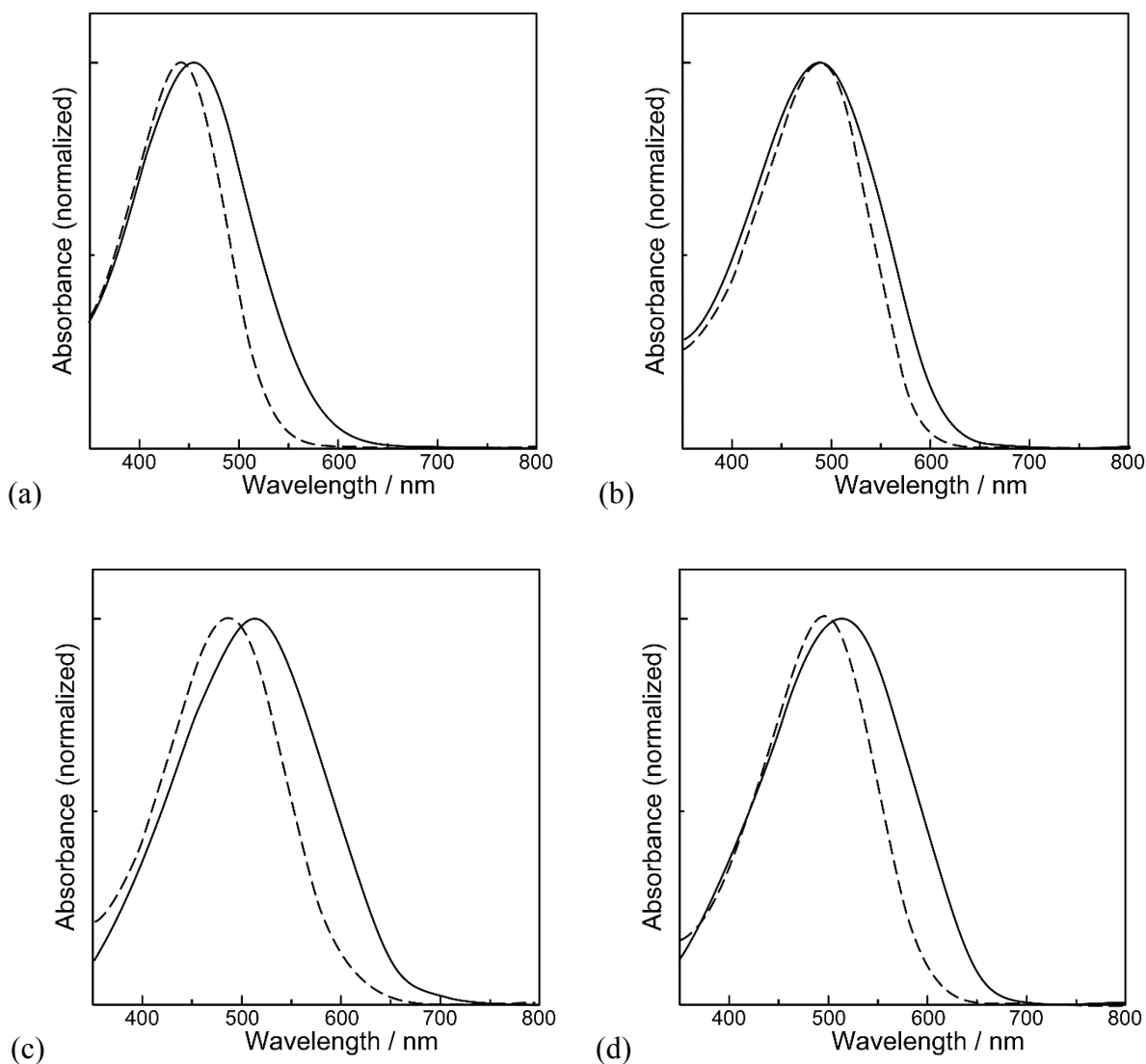


Fig. 1S Electronic absorption spectra of (a) P3HT, (b) pETT, (c) pET-C and (d) pET-S (dashed: in *o*-dichlorobenzene, solid: in films).

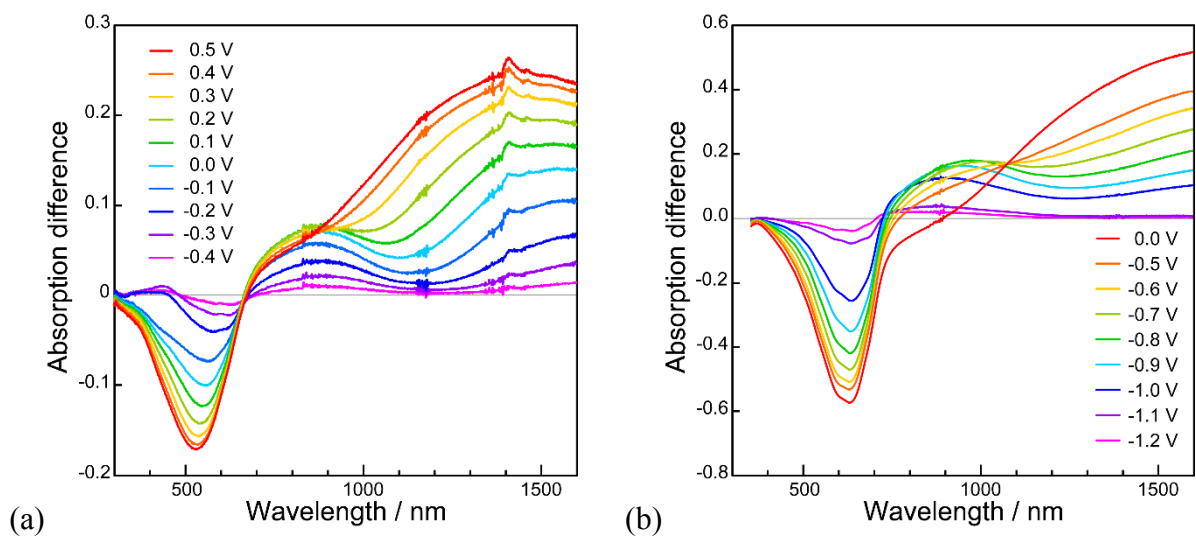


Fig. 2S Spectroelectrochemistry of (a) **pET-S** and (b) **PEDOT** films.