

Supporting Information for:

**Conjugated Polyelectrolyte and Zinc Oxide Stacked Structure as an Interlayer
in Highly Efficient and Stable Organic Photovoltaic Cells**

Yi-Ming Chang, Chi-Yi Leu*

Electronics and Optoelectronics Research Laboratories,

Industrial Technology Research Institute, Hsinchu 31040, Taiwan

Fax: +886-3-5820093; Tel: +886-3-5915021; E-mail: ymc@itri.org.tw

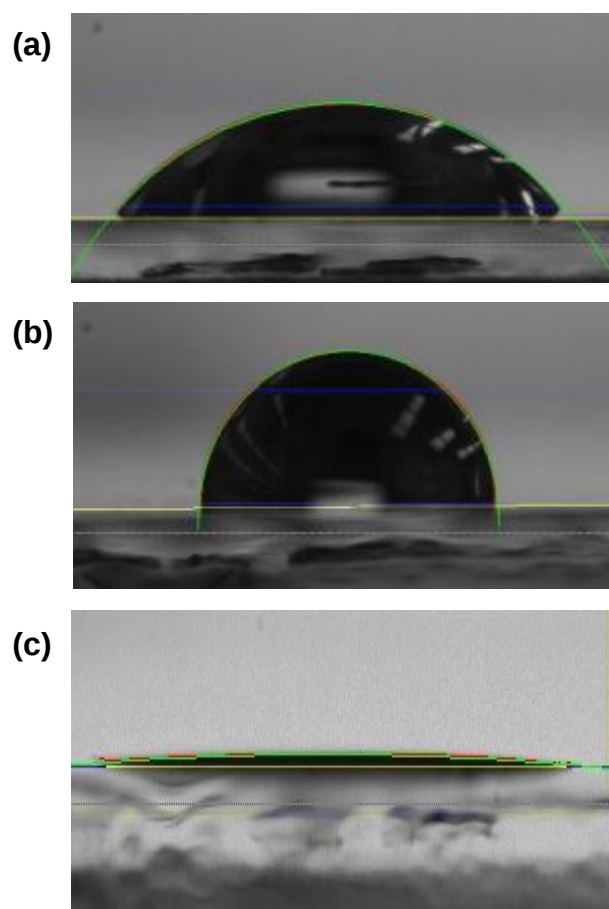


Figure S1. Water contact angle images of (a) ZnO, (b) PFN-coated ZnO, and (c) PTMAHT-coated ZnO surfaces.

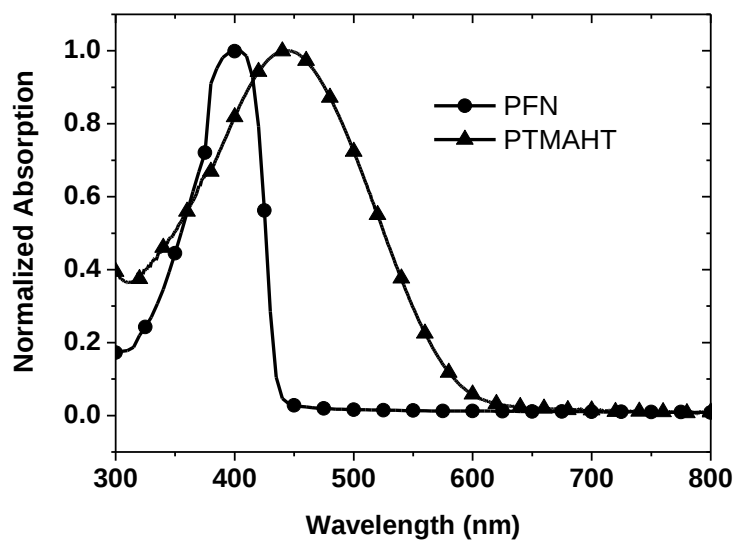


Figure S2. UV-visible absorption spectra of PTMAHT and PFN films.

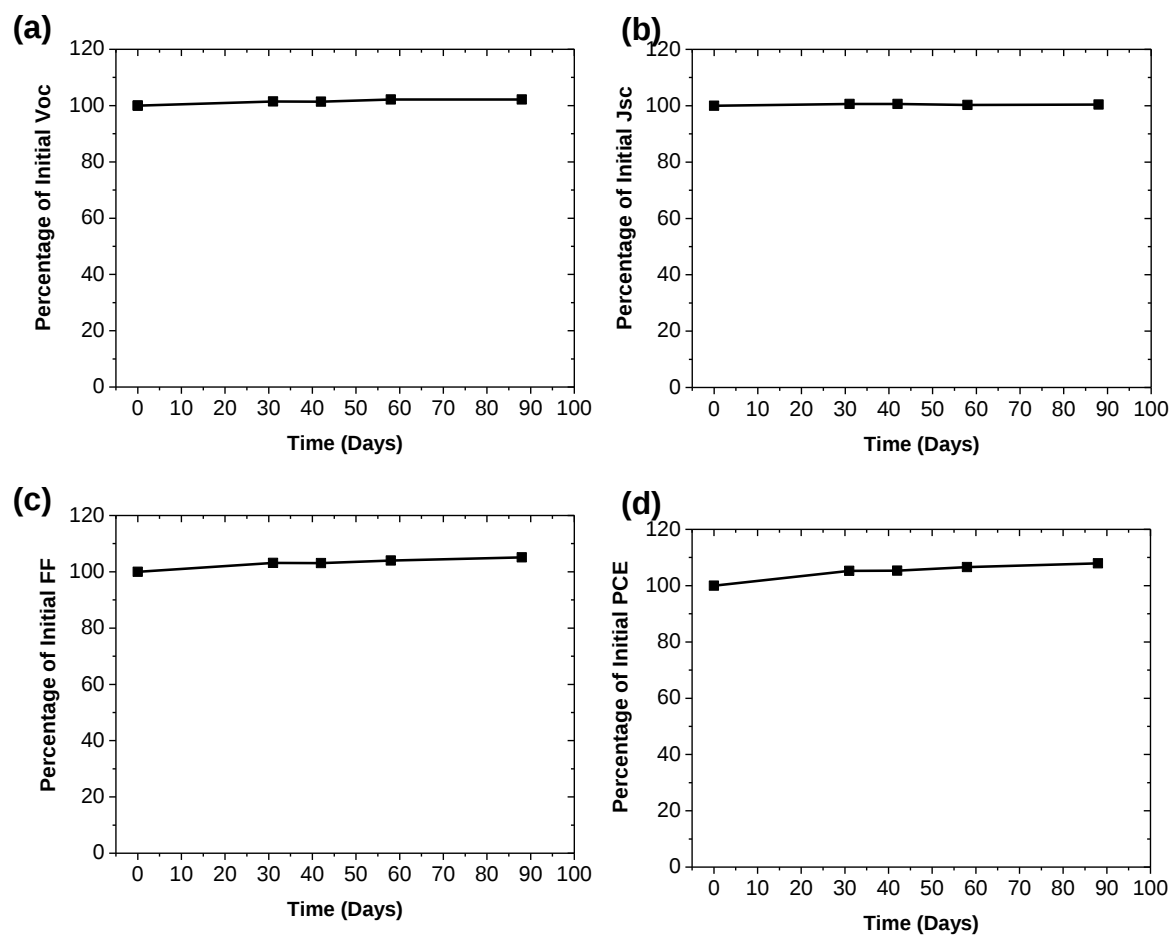


Figure S3. Stability test on an encapsulated PTB7:PC₇₀BM device using ZnO/PFN as interlayer. (a) V_{oc} ; (b) J_{sc} ; (c) FF ; (d) PCE .

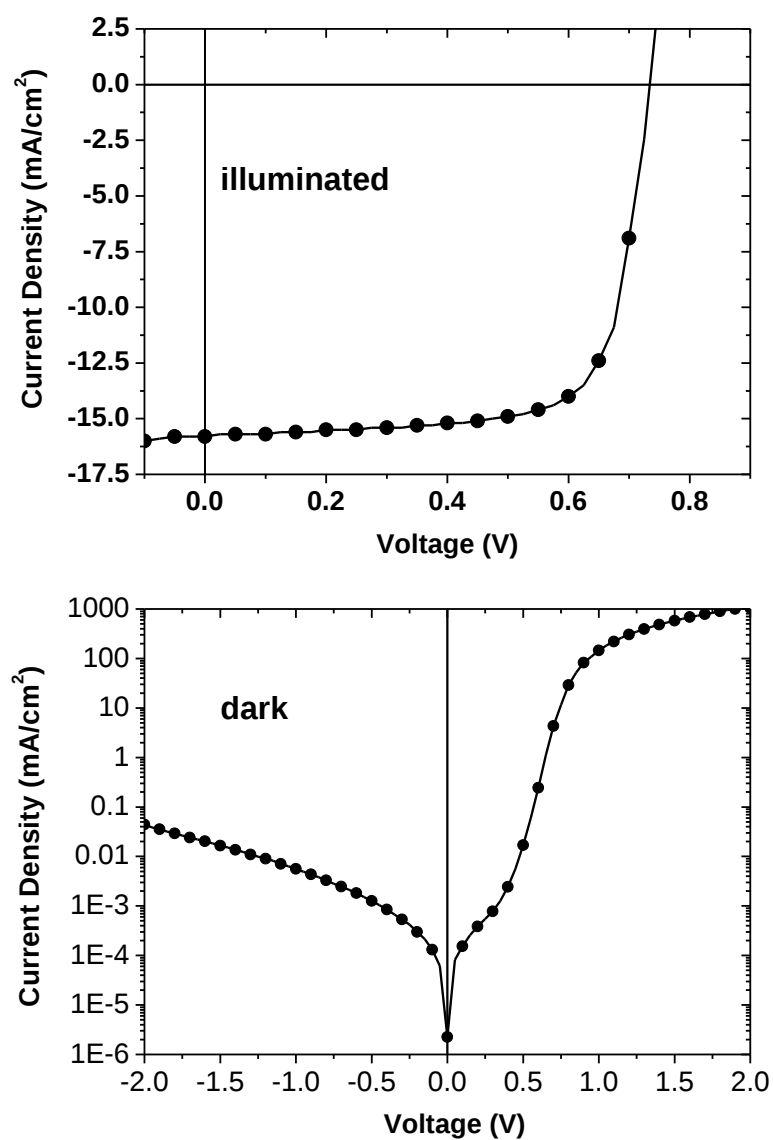


Figure S4. Best *J-V* characteristics of ITO/ZnO/PFN/PTB7:PC₇₀BM/MoO₃/Ag devices.