Supplementary Materials
for the manuscript:

Efficient and Air-Stable Plastics-Based Polymer Solar Cells Enabled by Atomic Layer Deposition

By Chih-Yu Chang and Feng-Yu Tsai*

Figure Captions

Fig. S1 Refractive index and growth rate per cycle as a function of ALD temperature for the ALD ZnO films.

Fig. S2 $J-V$ characteristics of device D with different thicknesses of HfO$_2$ films.

Fig. S3 Dark $J-V$ characteristics of device D with different thicknesses of HfO$_2$ films.

Fig. S4 IPCE spectrum of device E.

Fig. S5 Optical transmittance of ITO-coated glass and ITO-coated PET substrates.
Fig. S1 The refractive index and growth rates of ZnO films versus deposition temperatures.

Fig. S2 $J-V$ characteristics of device D with different thicknesses of HfO$_2$ films.

Fig. S3 Dark $J-V$ characteristics of device D with different thicknesses of HfO$_2$ films.
**Fig. S4** IPCE spectrum of device E.

**Fig. S5** Optical transmittance of ITO-coated glass and ITO-coated PET substrates.