

Supplementary Materials
for the manuscript:

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

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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 HfO₂ films.

Fig. S3 Dark J - V characteristics of device D with different thicknesses of HfO₂ films.

Fig. S4 IPCE spectrum of device E.

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

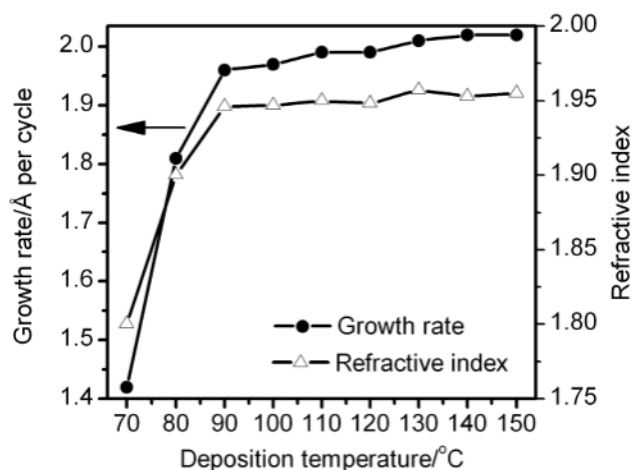


Fig. S1 The refractive index and growth rates of ZnO films versus deposition temperatures.

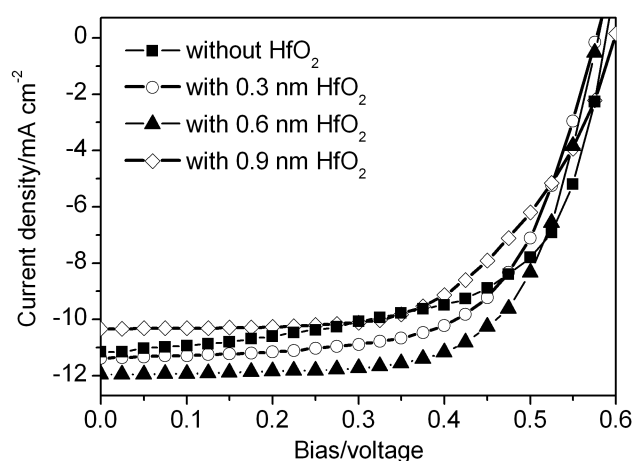


Fig. S2 J - V characteristics of device D with different thicknesses of HfO₂ films.

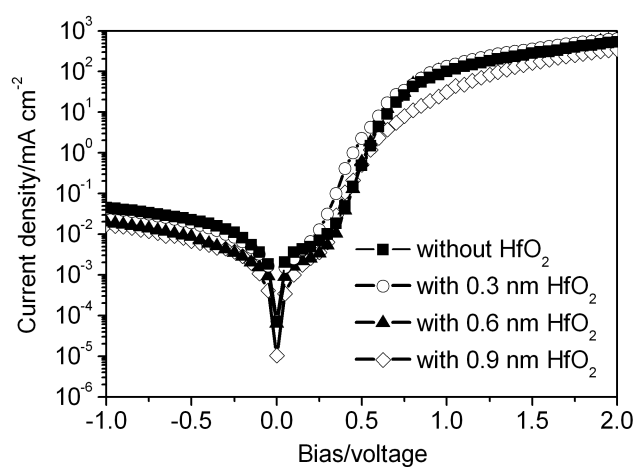


Fig. S3 Dark J - V characteristics of device D with different thicknesses of HfO₂ films.

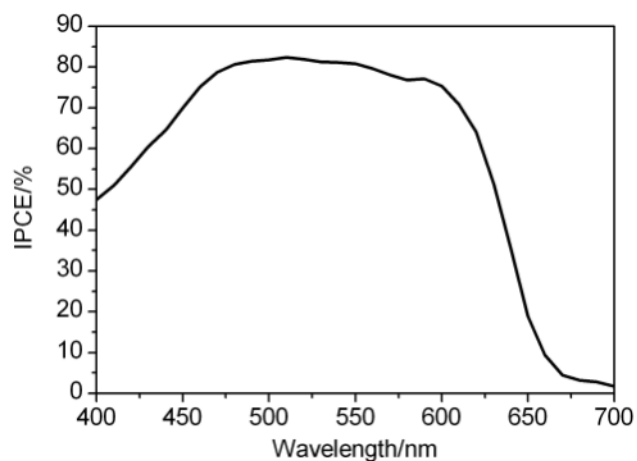


Fig. S4 IPCE spectrum of device E.

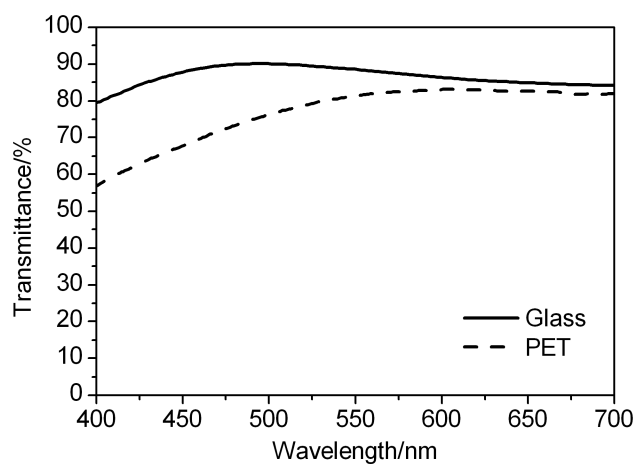


Fig. S5 Optical transmittance of ITO-coated glass and ITO-coated PET substrates.