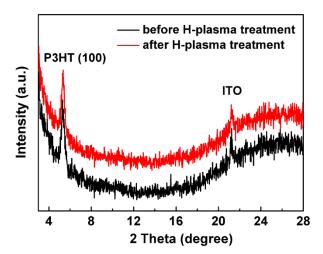
## **Electronic Supplementary Information (ESI)**

## Enhanced efficiency in polymer solar cells via hydrogen plasma treatment of ZnO electron transport layers

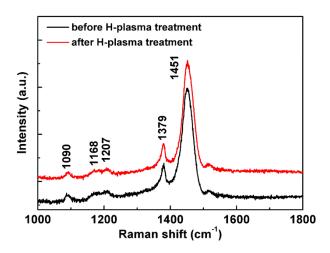
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**Fig. S1** XRD patterns of ITO/PEDOT:PSS/P3HT:PCBM/ZnO film measured before and after H-plasma treatment for 5 min.



**Fig. S2** Raman spectra of Si/P3HT:PCBM/ZnO film measured before and after H-plasma treatment for 5 min.