

SUPPORTING INFORMATION

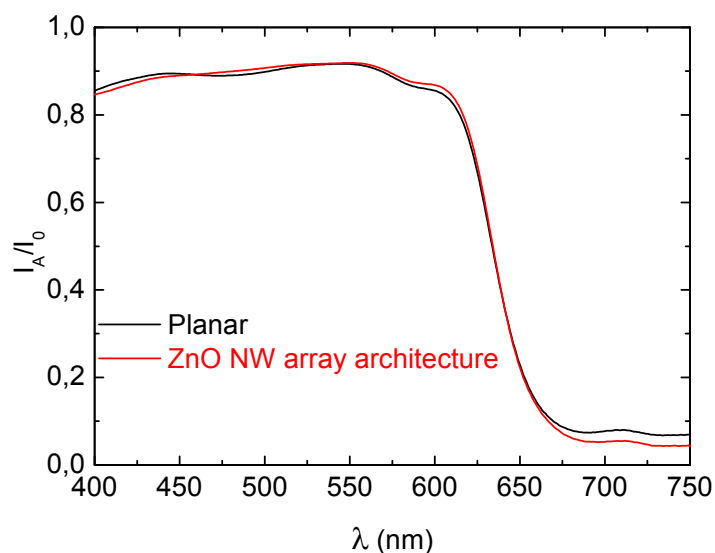


Figure S1: Absorbance spectra for glass/ITO/ZnO/P3HT:PCBM samples with different architectures: planar (black) and nanowire array-based (red).

Although some dispersion was detected in the samples based on ZnO NW arrays, the differences in $A_{E,400-750}$ (eq. S1) between flat and NW architecture were lower than 4%.

Eq. S1:

$$A_{E,400-750} = \frac{\int_{400\text{ nm}}^{750\text{ nm}} A(\lambda)J_0(\lambda)d\lambda}{\int_{400\text{ nm}}^{750\text{ nm}} J_0(\lambda)d\lambda}$$