FIGURES

Figure 1. The n-i-p perovskite solar cell structure.

Figure 2. The band diagram of the n-i-p PSC at equilibrium.

Figure 3. Absorber layer thickness versus PCE.

Figure 4. Kesterite layer thickness versus PCE.

Figure 5. Absorber layer defects Nt versus PCE.
Figure 6. $J$-$V$ characteristics of the $n$-$i$-$p$ PSC.

Figure 7. The external quantum efficiency of the PSC.