Supporting Information for *Acta Phys. -Chim. Sin.* doi: 10.3866/PKU.WHXB201803131

低成本富勒烯衍生物电子传输层在钙钛矿太阳能电池的应用

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Low-Cost Fullerene Derivative as an Efficient Electron Transport Layer for Planar Perovskite Solar Cells

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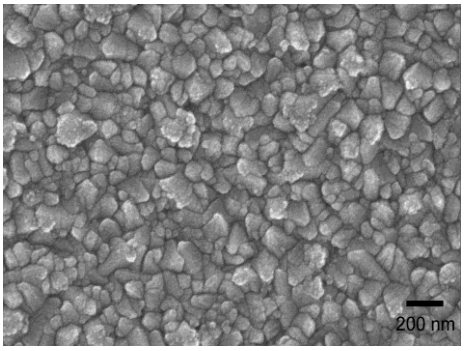

Fig. S1 SEM image of the prepared NiO_x film.

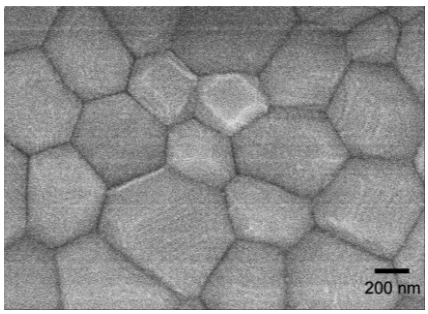

Fig. S2 SEM image of the deposited perovskite film on the NiO_x film.

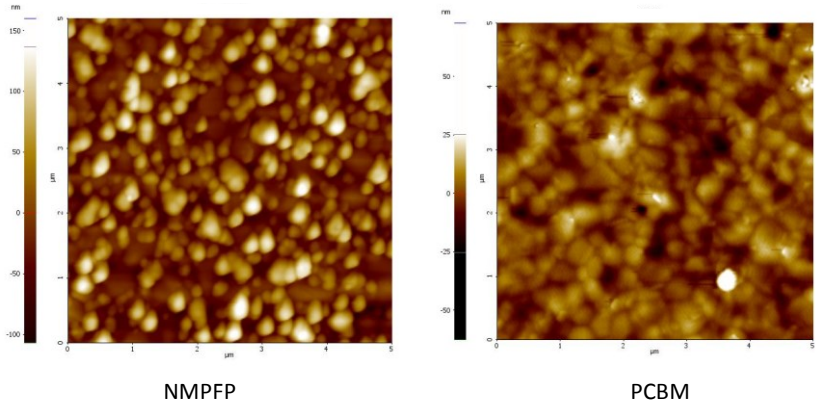

Fig. S3 AFM images of NMPFP and PCBM.

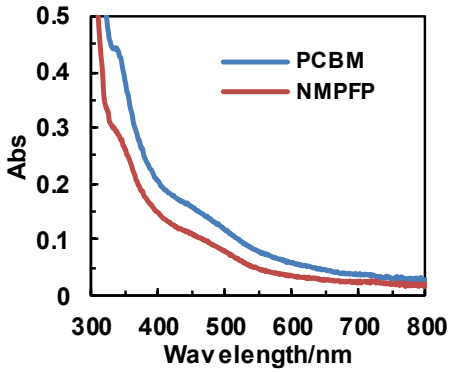

Fig. S4 UV-Vis absorption spectra of the PCBM film and the NMPFP film.

All films were fabricated by spin-coating the dichlorobenzene solution on the glass substrate.

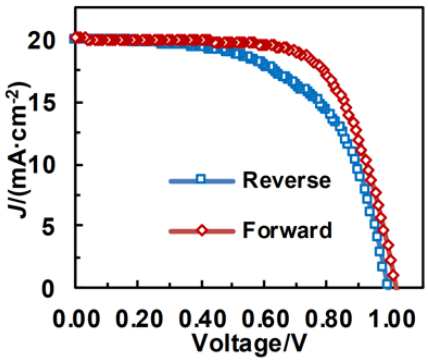

Fig. S5 ***J–V*** **curves of the PSCs based on PCBM with the forward and reverse scan.**