Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Mixed Lead Source Precursors for Producing Light Absorption Layers of Perovskite Solar Cells

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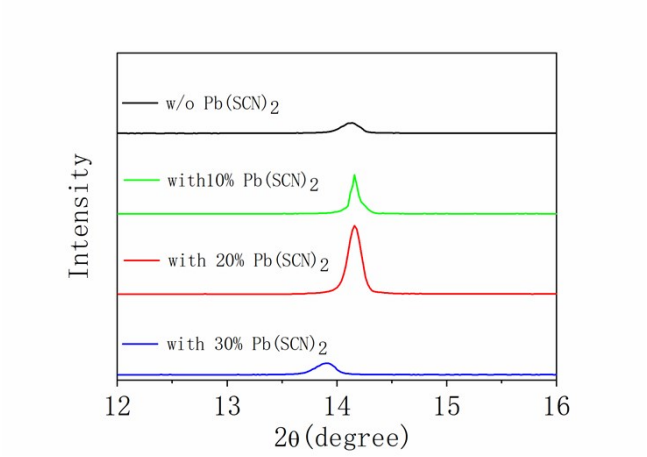

Fig.S1. The enlarged XRD patterns of perovskite layers prepared by $Pb(AC)_2$ precursors without and with different $Pb(SCN)_2$ additives.

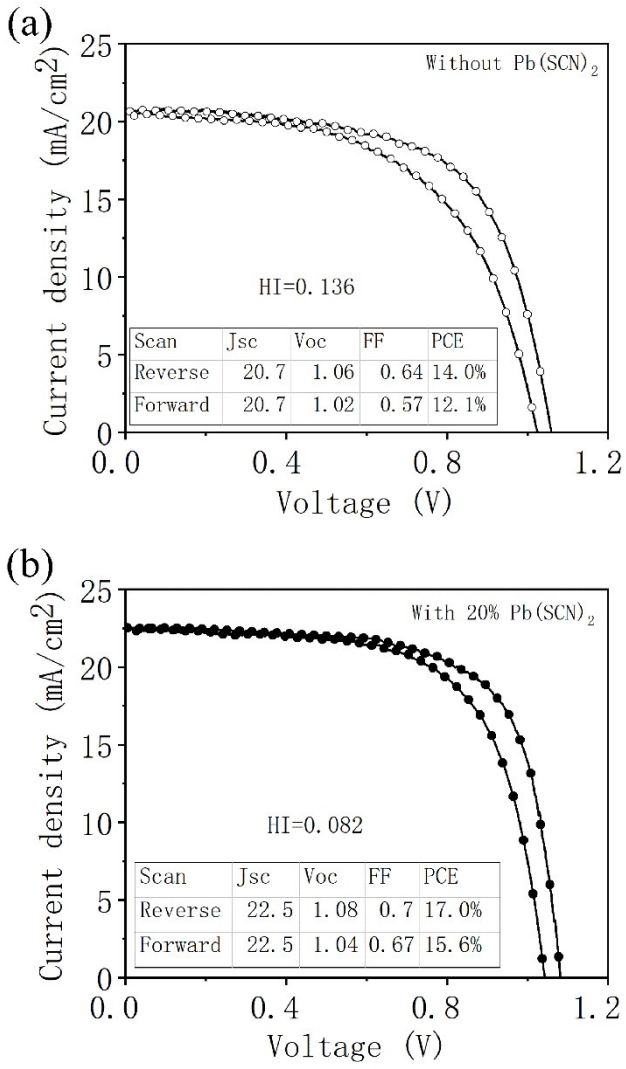

Fig.S2. Reverse scanning and forward scanning J–V curves of devices without (a) and with (b) 20% $Pb(SCN)_2$ additives.

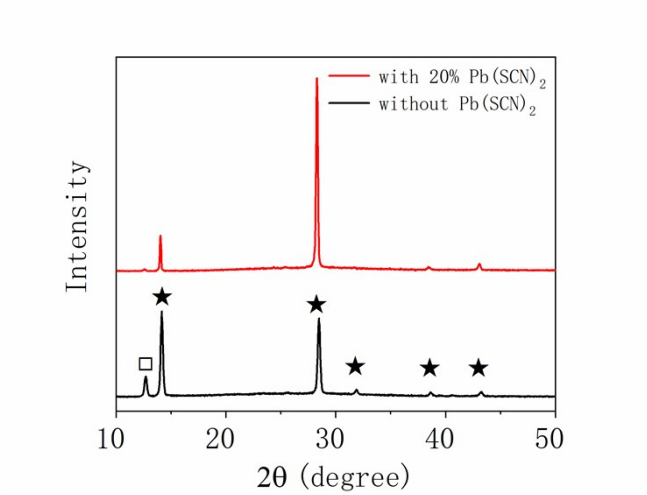

Fig.S3. The XRD patterns of perovskite layers on glass substrates after 24 hours 80 °C thermal aging in N_2 atmosphere under dark, the diffraction peaks of $CH_3NH_3PbI_3$ and PbI_2 are labeled with stars and square, respectively.