Electronic Supplementary Material (ESI) for RSC Advances.

Supporting information

Enhanced thermal stability of inverted perovskite solar cells by interface modification and additive strategy

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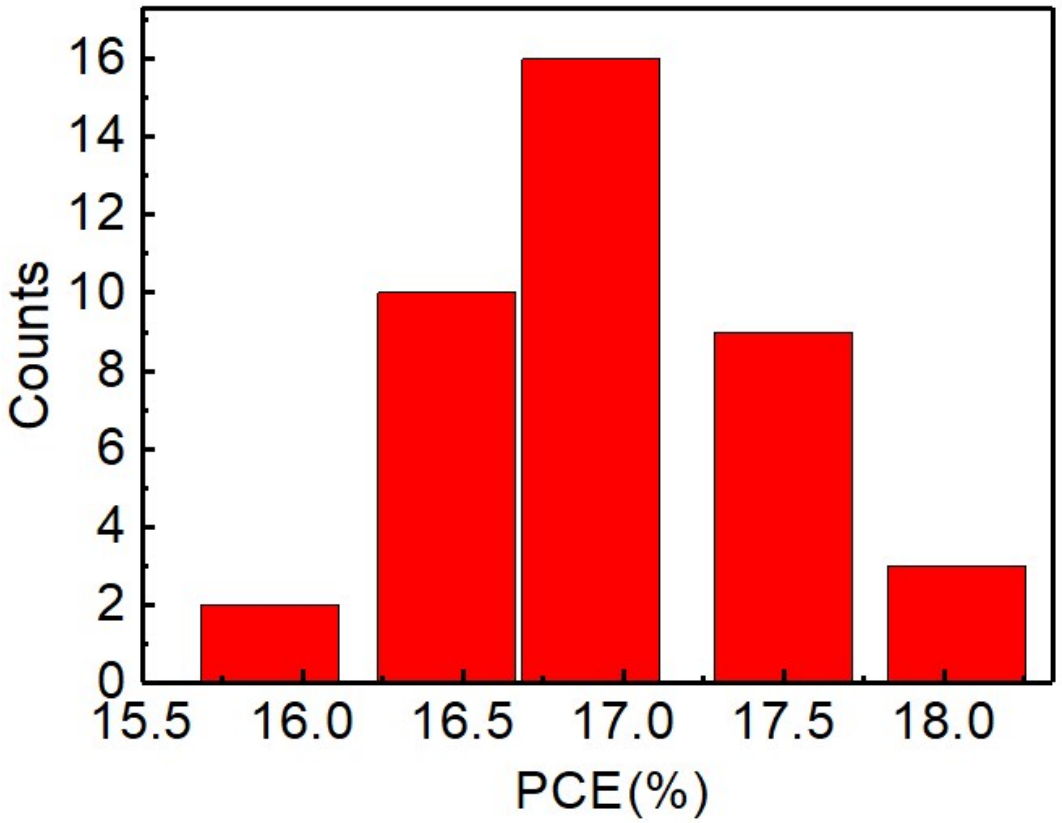

Fig S1**,** Histograms of PCEs of standard device with BCP layer (5 nm) and C_{60} layer (25 nm), and device over 40 cells.

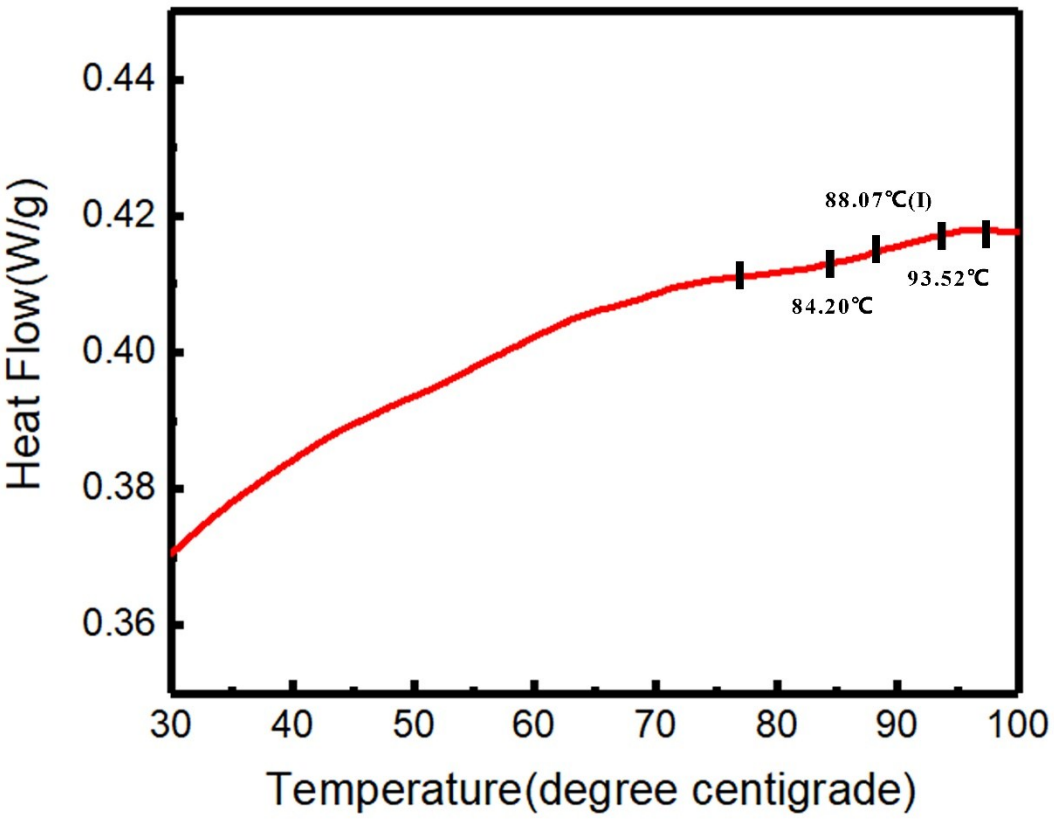

Fig S2**,** Differential Scanning Calorimetry (DSC) thermograph of BCP powder

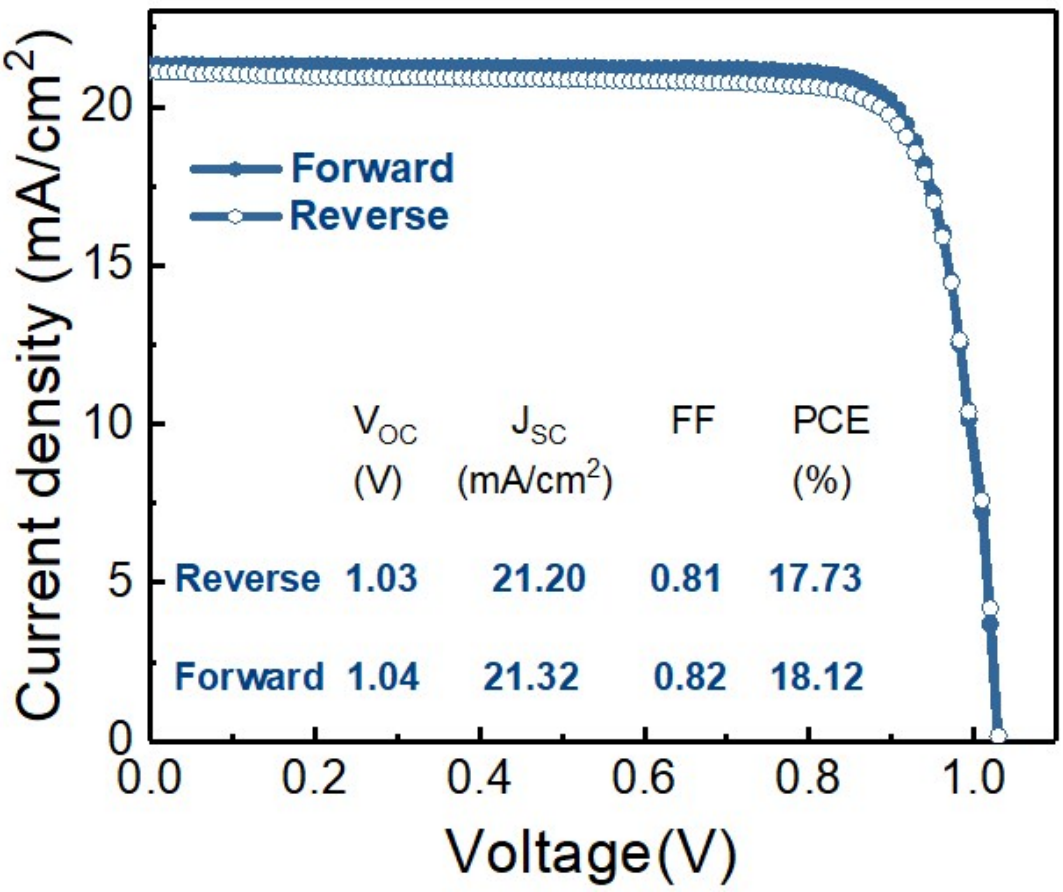

Fig S3 , J-V curves of the best-performing device under forward and reverse scans with photovoltaic parameters inserted, respectively.

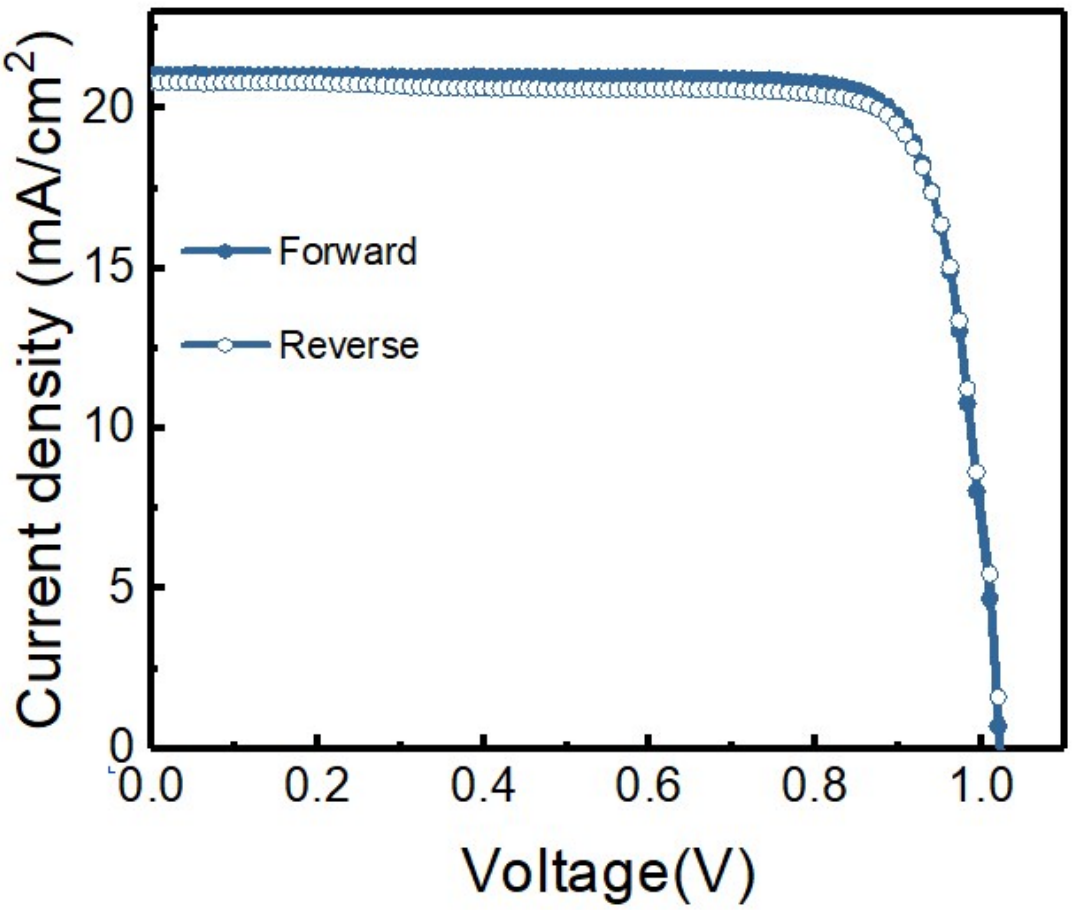

Fig S4, J-V curves of device with 0.4% $BMIMBF_4$ under forward and reverse scans with photovoltaic parameters inserted, respectively.

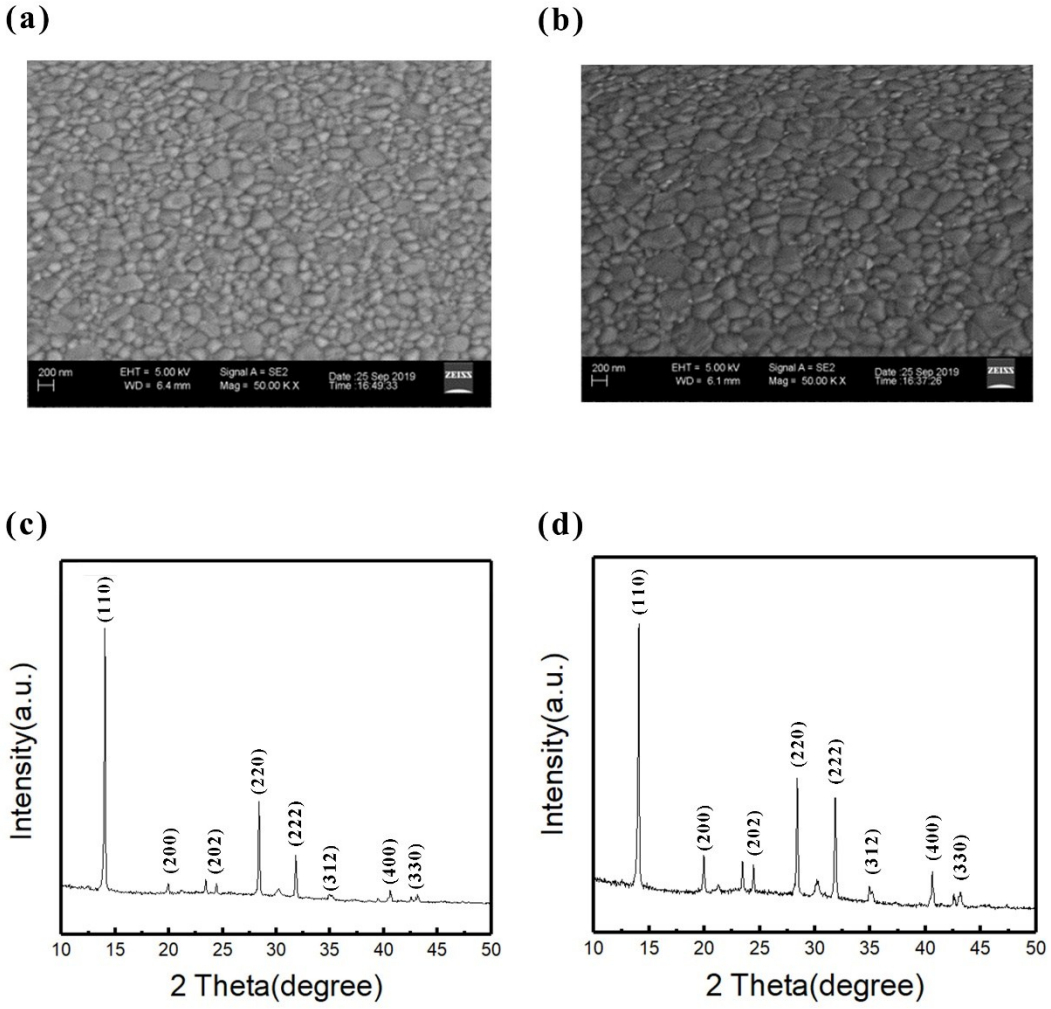

Fig S5, (a) SEM image of $MAPbI_3$;(b) SEM image of $MAPbI_3$ with $BMIMBF_4$;(c) XRD patterns of $MAPbI_3$;(d) XRD patterns of $MAPbI_3$ with $BMIMBF_4$.