

Supporting Information

Impacts of carrier trapping and ion migration on charge transport of perovskite solar cells with TiO_x electron transport layer

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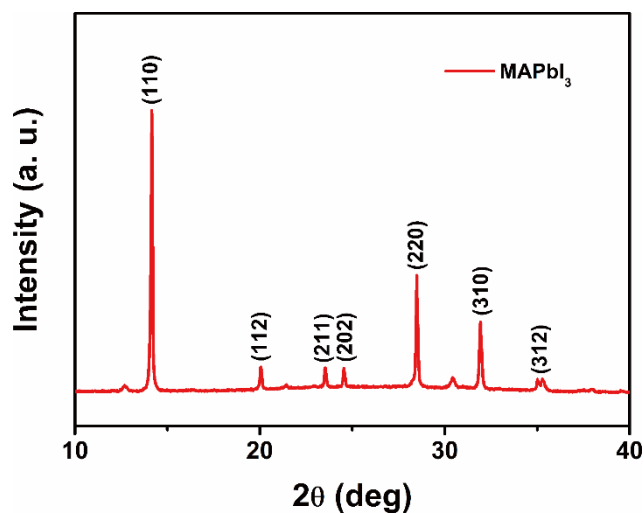


Figure S1. The XRD diffraction peak of MAPbI₃ film.

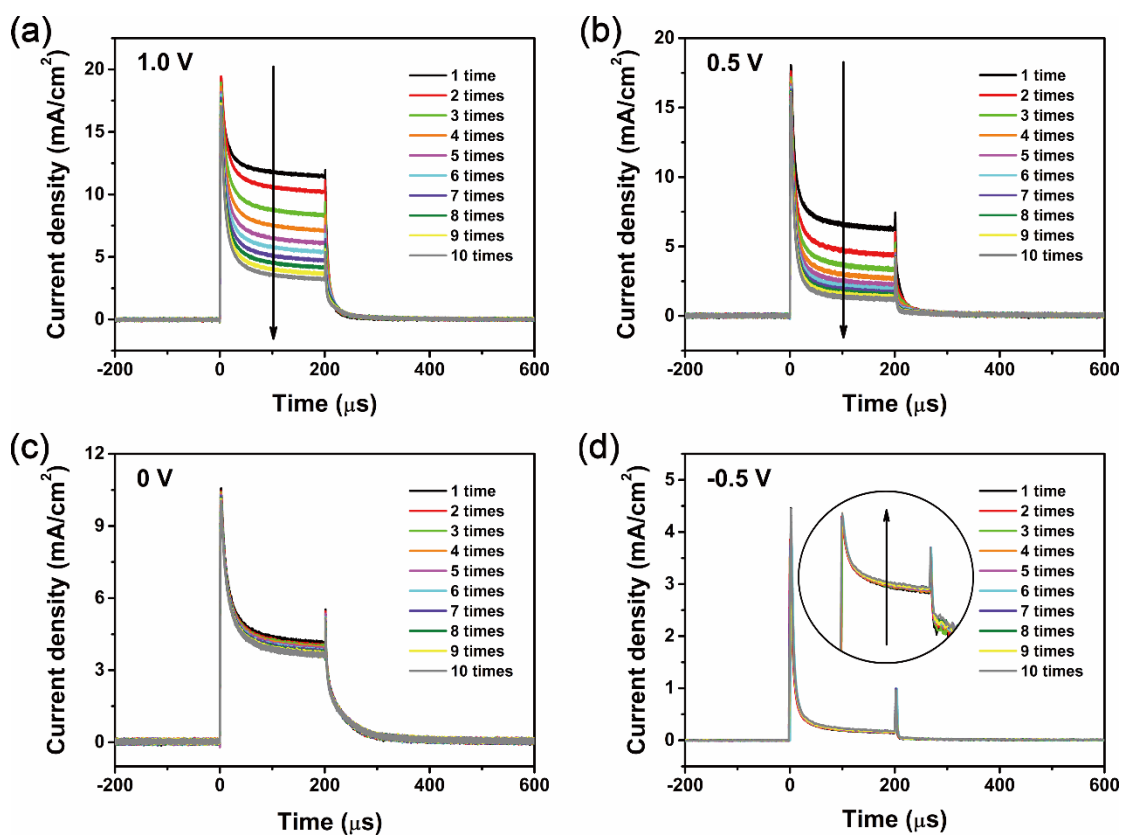


Figure S2. The transient photocurrent responses to first 10 light pulses. The interval between two adjacent pulses is several seconds. The devices under test were pretreated for 2 minutes at the biases of 1.0 V (a), 0.5 V (b), 0 V (c) and -0.5 V (d). The inset represents the magnified region of the -0.5 V processed transient photocurrent with the logarithm of the Y axis.