

Interpenetration of $\text{CH}_3\text{NH}_3\text{PbI}_3$ and TiO_2 Improves Perovskite Solar Cells while TiO_2 Expansion Leads to Degradation

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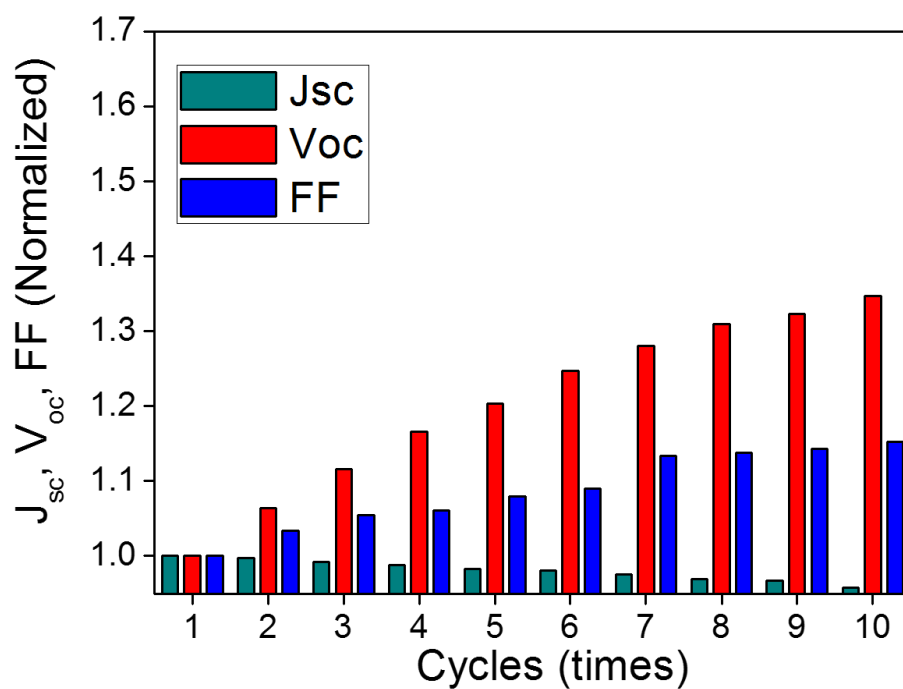


Figure S1. The evolution of normalized performance parameters (J_{sc} , V_{oc} , FF, with respect to initial value) with varying number of voltage sweeps.

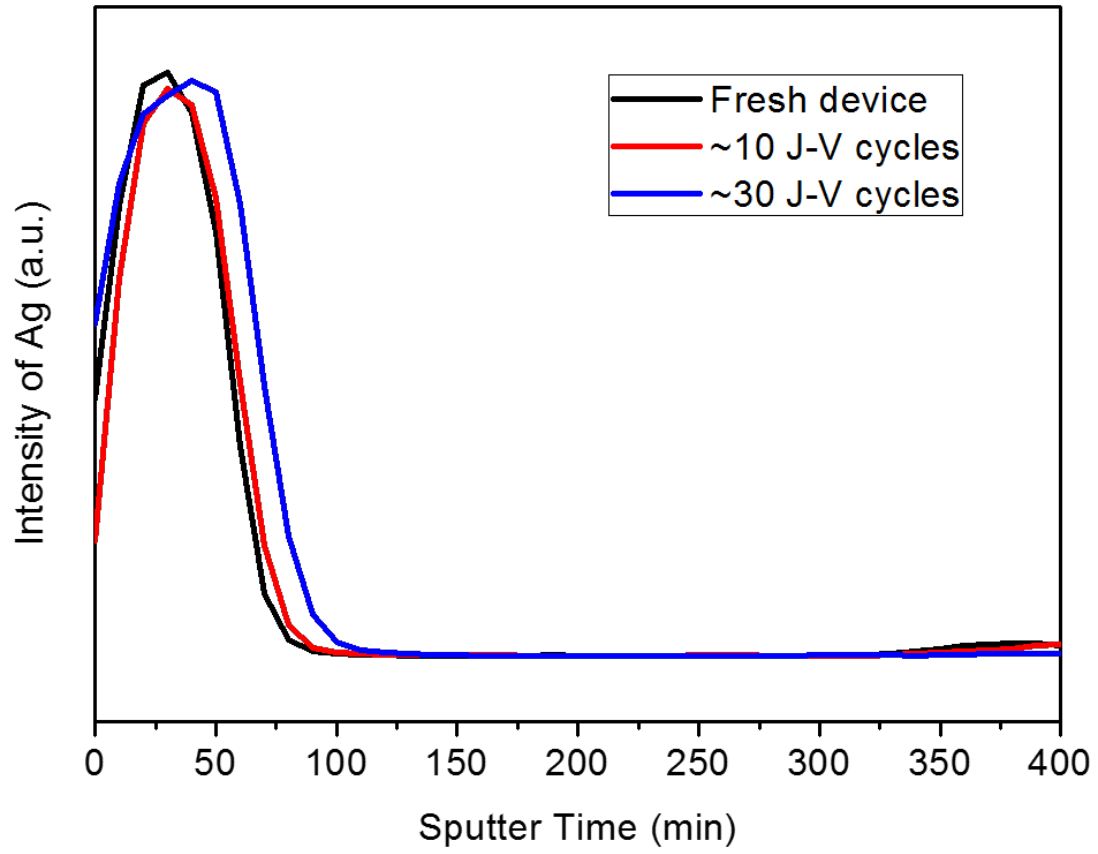


Figure S2. Ag depth profiles extracted from devices with different stage of PV operation.