

A simple, low-cost CVD route to high quality $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite thin films

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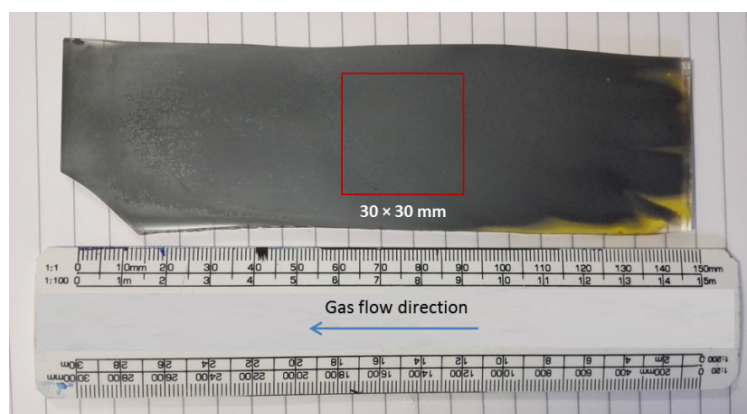


Fig. S1 Photograph showing large-area uniform $\text{CH}_3\text{NH}_3\text{PbI}_3$ film grown by sequential AACVD on FTO glass substrate.

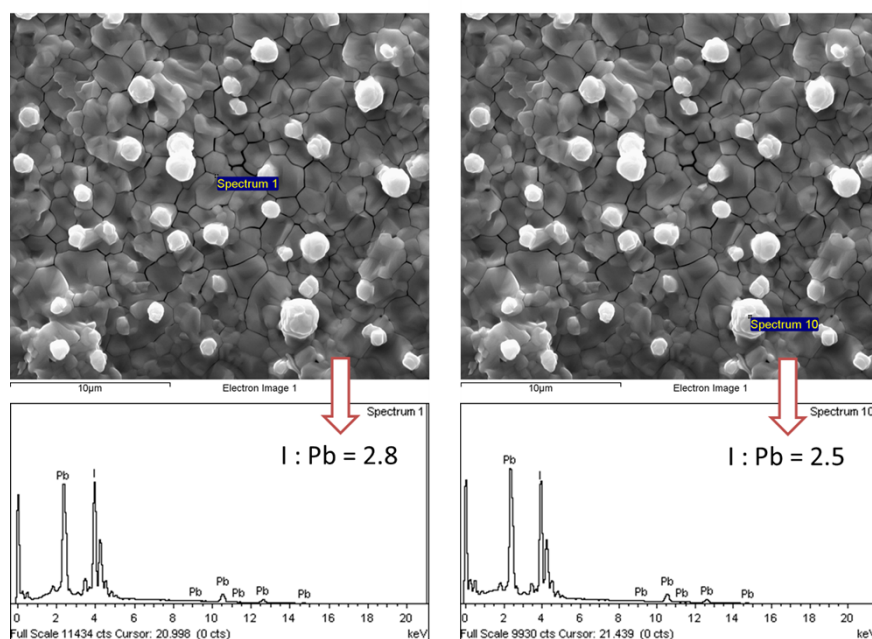


Fig. S2 SEM image and corresponding EDS spectra of AACVD $\text{CH}_3\text{NH}_3\text{PbI}_3$ film on FTO glass.

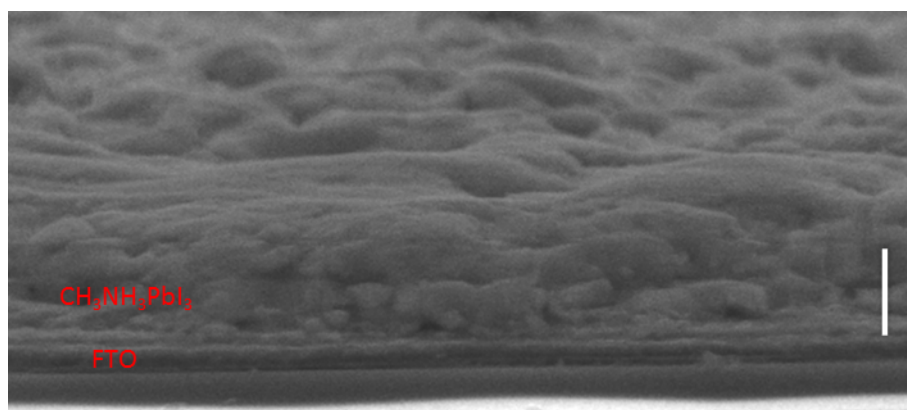


Fig. S3 Cross-section SEM image of AACVD $\text{CH}_3\text{NH}_3\text{PbI}_3$ film on FTO glass. The error bar corresponds to 1.5 μm .