

Supplementary Information

2-에톡시에탄올 휘발성 용매를 기반으로 용액 전단 제조된 대면적 페로브스카이트 태양전지

Large-area perovskite solar cells prepared by solution-shearing using 2-ethoxyethanol-base volatile solvent

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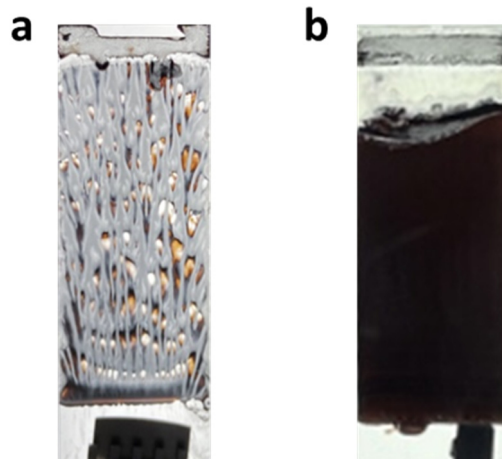


Fig. S1. Perovskite thin films were fabricated at room temperature by double solution-shearing with a) 2-methoxyethanol, b) 2-ethoxyethanol solvent.

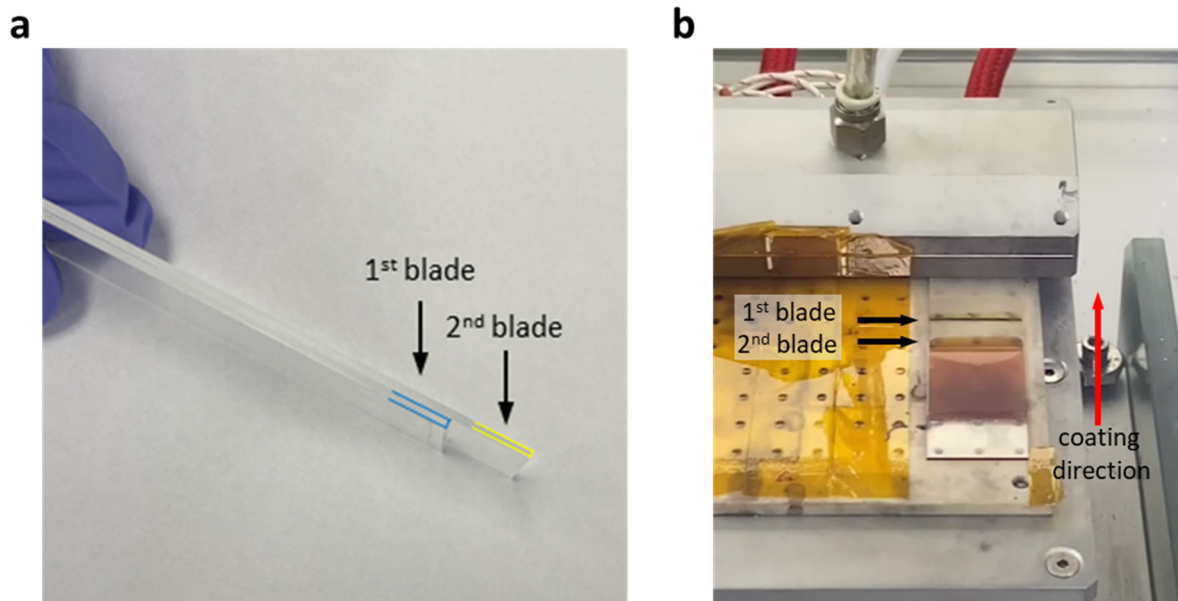


Fig. S2. Perovskite precursor solution was injected at 1st blade and anti-solvent was injected at 2nd blade. a) An optical photo image of double blade. b) An optical photo image of the process of double blade solution-shearing set-up.

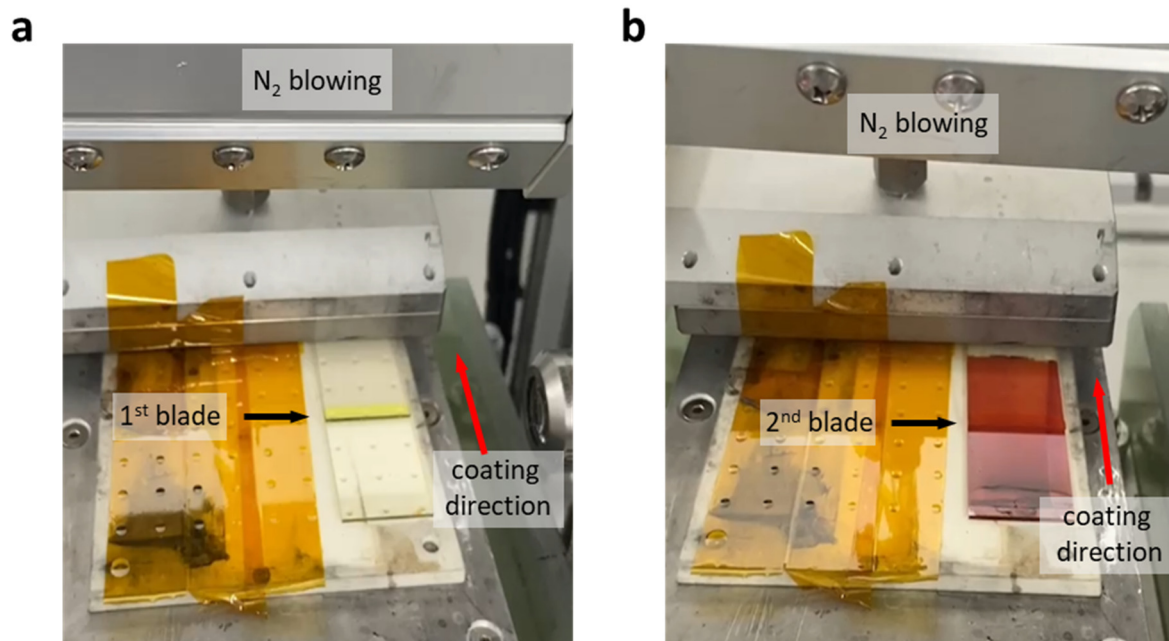


Fig. S3. Perovskite precursor solution was injected at 1st blade and anti-solvent was injected at 2nd blade. a) An optical photo image of the 1st solution-shearing. b) An optical photo image of the 2nd solution-shearing.

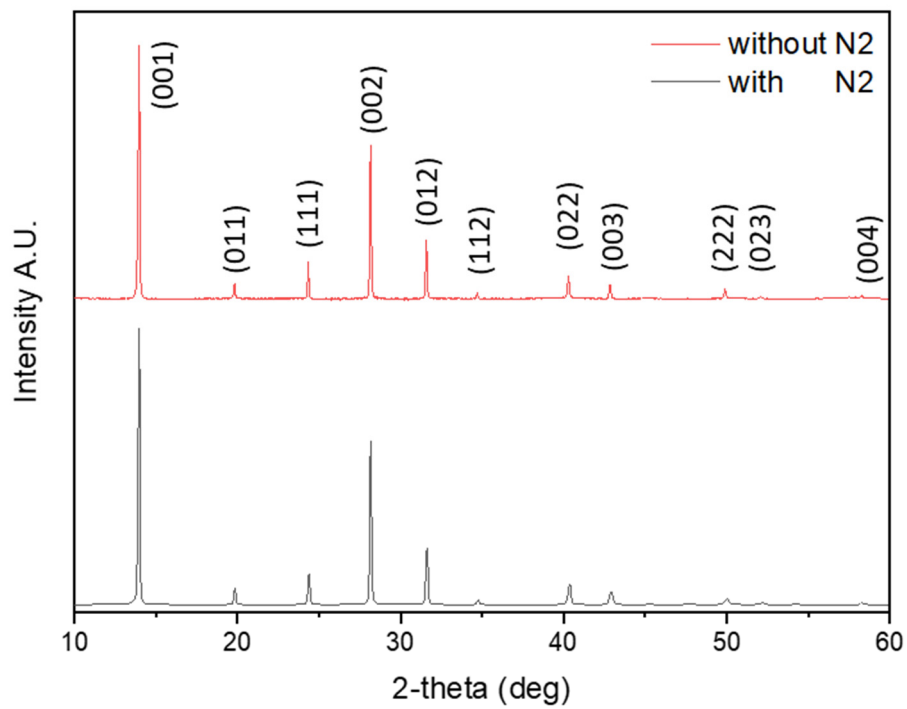


Fig. S4. XRD data of perovskite film deposited with precursor solution of 2EE:CHP using anti-solvent with N2 blowing and without N2 blowing at room temperature.

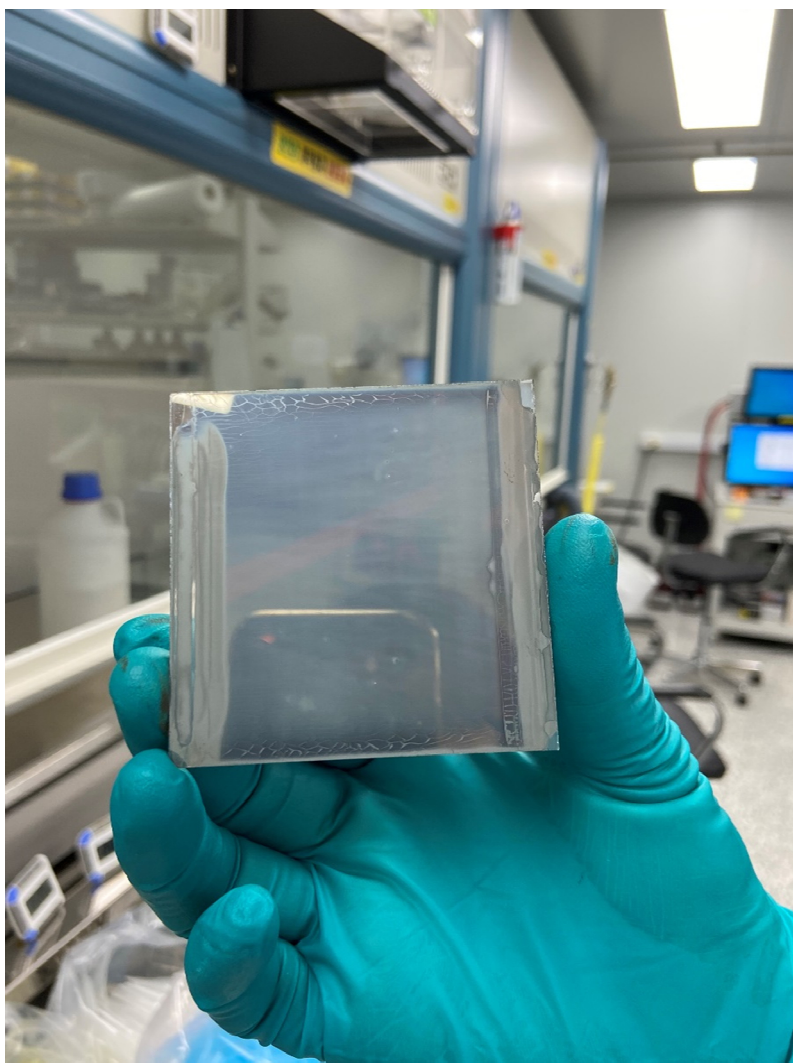


Fig. S5. An optical photo image of 100mm*100mm perovskite thin film fabricated by double solution-shearing.