

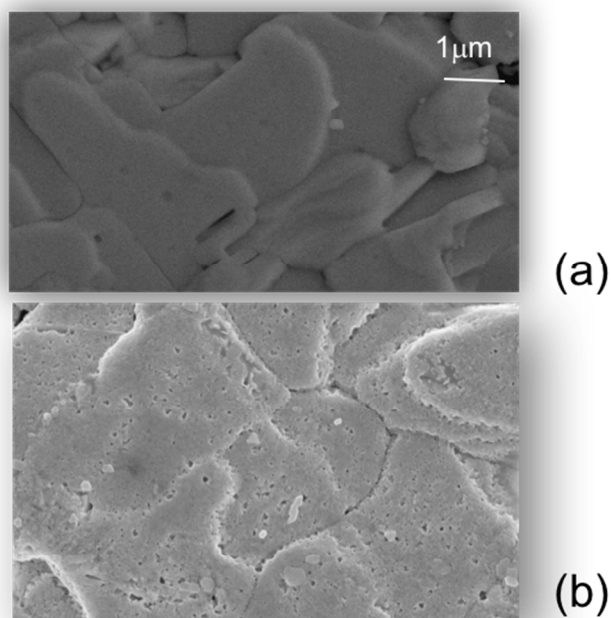
***First Evidence of  $\text{CH}_3\text{NH}_3\text{PbI}_3$  Optical Constant Improvement in  $\text{N}_2$  Environment in the Range 40-80°C***

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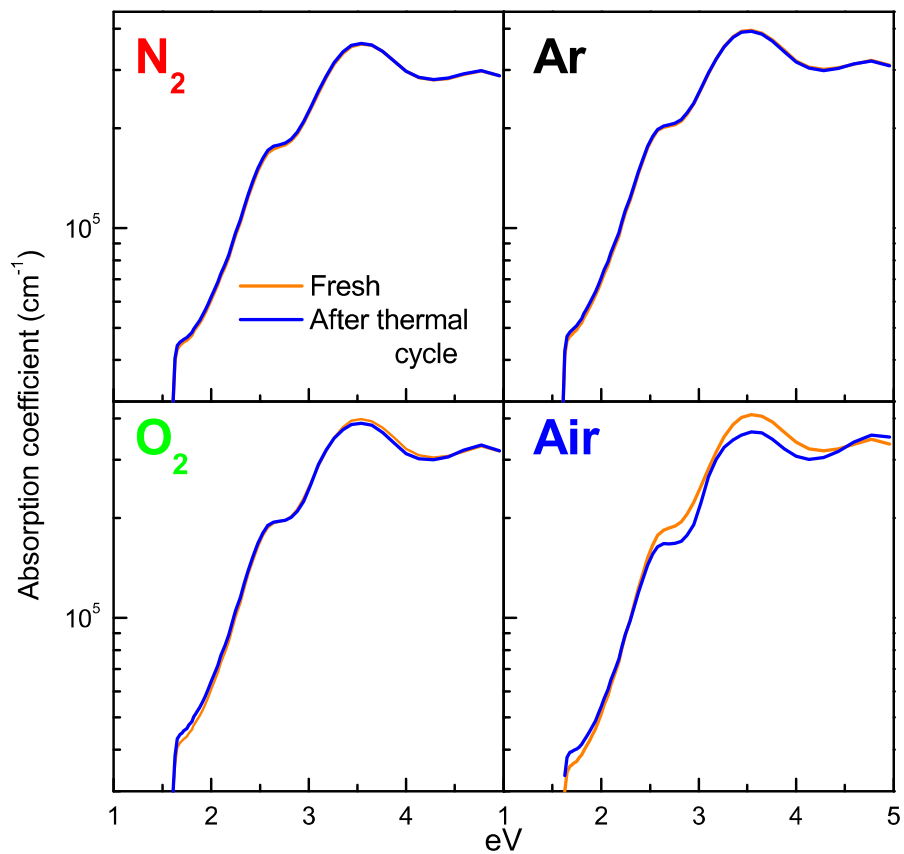
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SUPPORTING INFORMATION



*Fig. S1: Scanning electron microscopy. (a) The starting sample is made of large grains with flat surfaces; (b) leaving the sample in air causes the grains surface to be damaged by holes and roughening.*



*Fig. S2: The absorption coefficients as calculated from Eq. 1 in the text at the end of the thermal cycle (5days) reported in Fig. 1a for all environments.*