

Supporting information

Inclusion of polysaccharides in perovskite thin film: from in-solution interaction to film formation and stability

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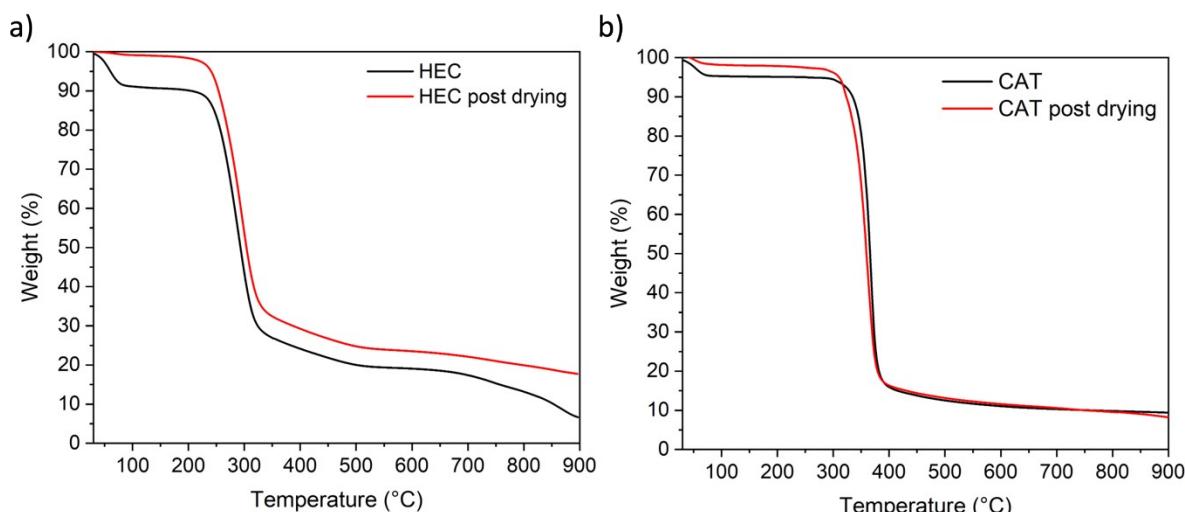


Fig. S1. TGA analysis of polymer before and after drying process.

Tab. S1. TGA analysis of polymer before and after drying process.

Polymer	I step		II step	
	Weight loss wt %	T _{endset} °C	Weight loss wt %	T _{onset} °C
HEC	9.2	86.3	72.2	255.9
<i>HEC post drying</i>	1.0	81.8	75.5	256.3
CAT	4.7	68.8	85.3	350.7
<i>CAT post drying</i>	2.2	69.9	87.0	336.8

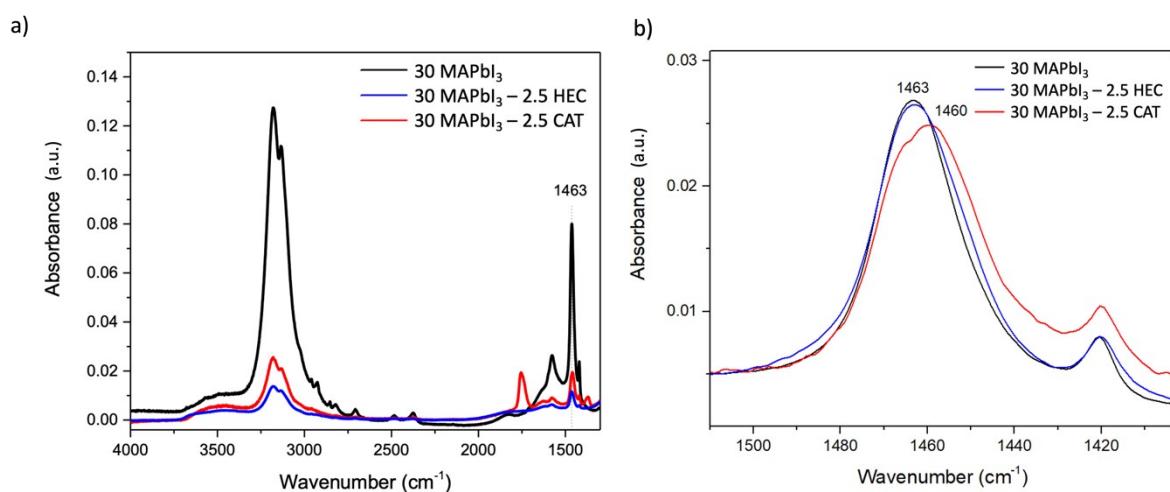


Fig. S2. FTIR-ATR spectra of a) pristine MAPbI₃, 30 MAPbI₃ – 2.5 HEC and 30 MAPbI₃ – 2.5 CAT, with b) magnification of the N-H bending (spectra normalized to -CH₃ bending 1422 cm⁻¹).

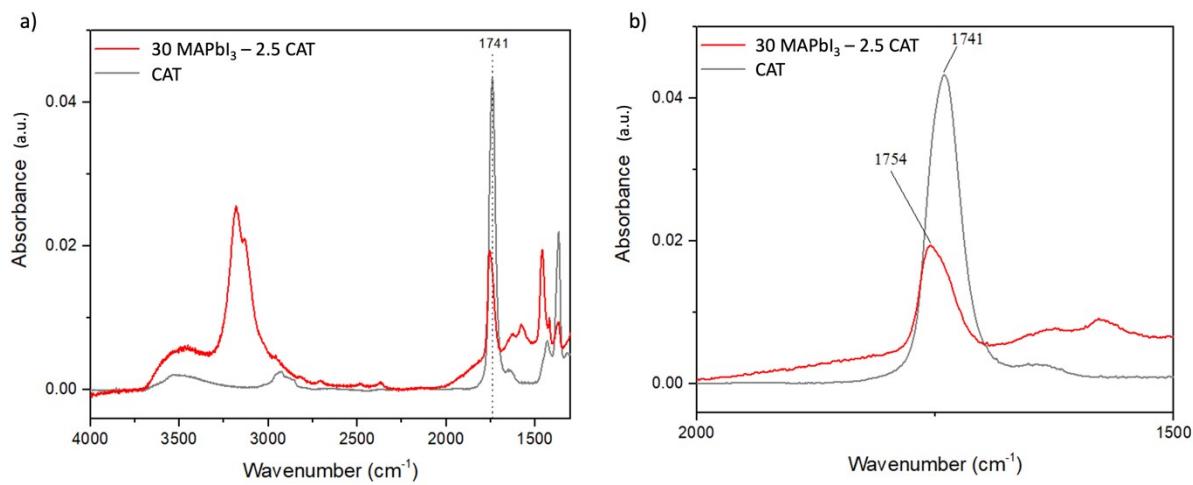


Fig. S3. FTIR-ATR spectra of a) 30 MAPbI₃ – 2.5 CAT and CAT samples, along b) a magnification of the region in which fall to the C=O stretching.