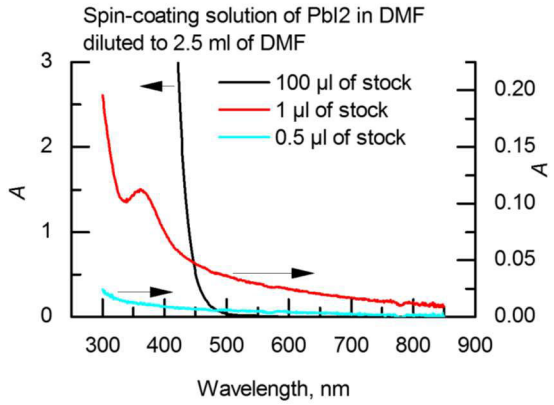
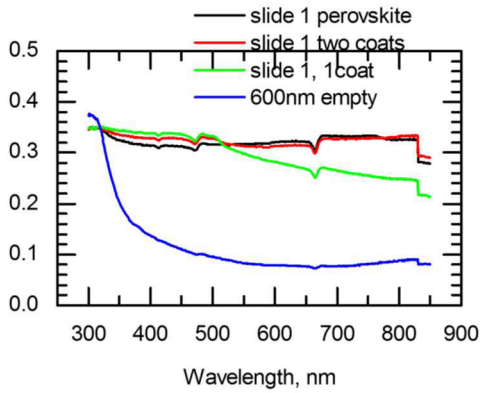
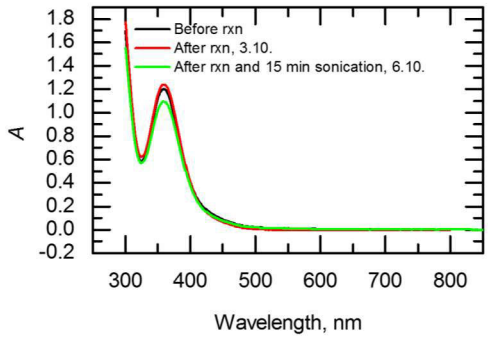
Absorbance spectra:



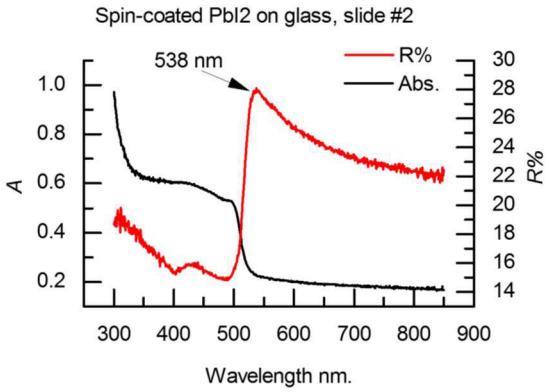
The absorbance spectra of lead iodide in DMF



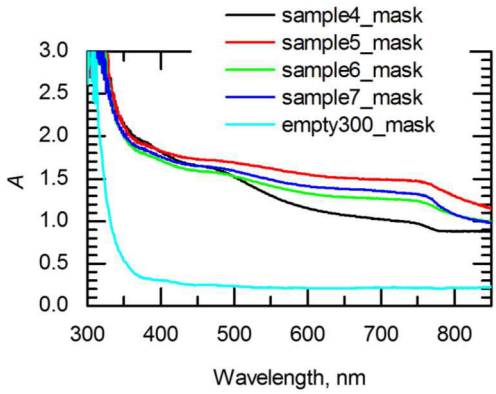
The absorbance spectra of the first solar cell at various stages of preparation



Absorbance of MAI in 2-propanol before and after perovskite powder reaction

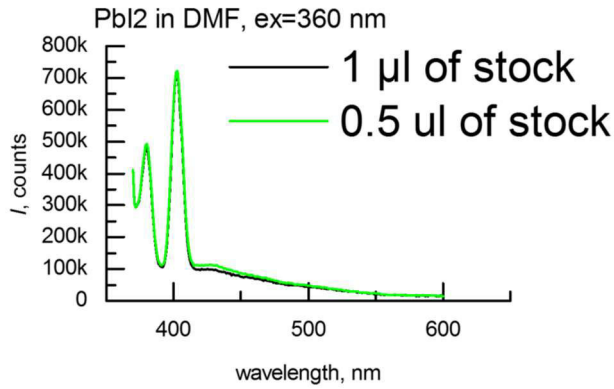


Absorbance of lead iodide on glass compared to the same slides reflectance

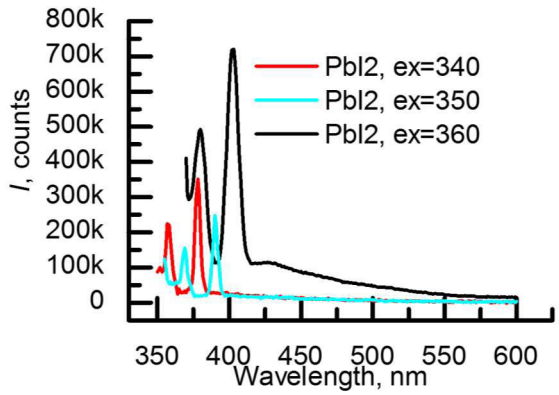


Absorbance calculated from transmittance for the 3rd batch of cells

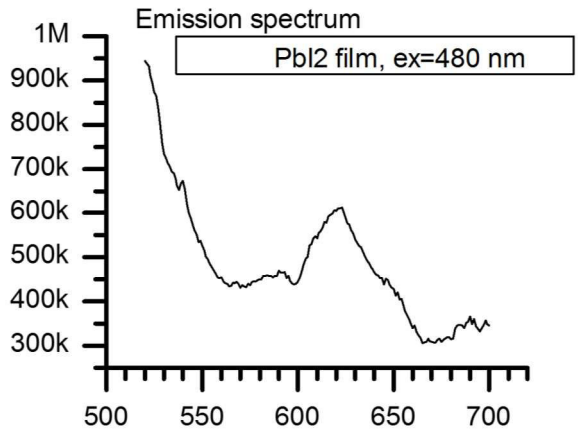
Emission spectra:



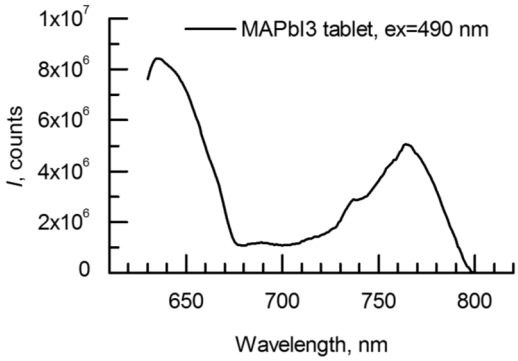
Emission spectrum of lead iodide in DMF



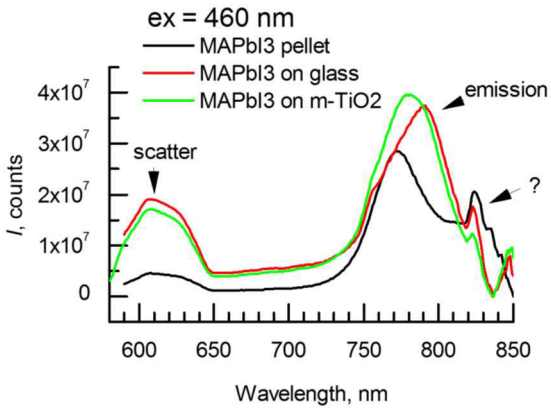
Emission spectra of lead iodide in DMF at various excitation wavelengths



The emission spectrum of lead iodide on mesoporous titanium dioxide

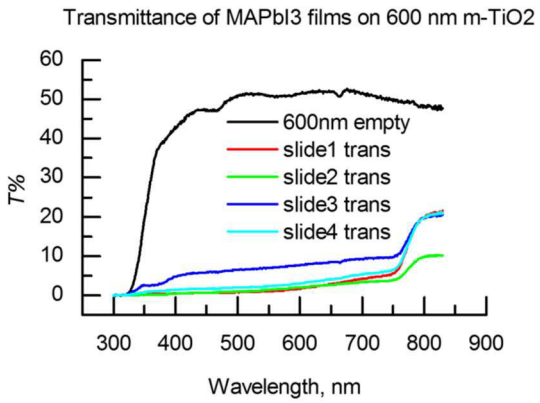


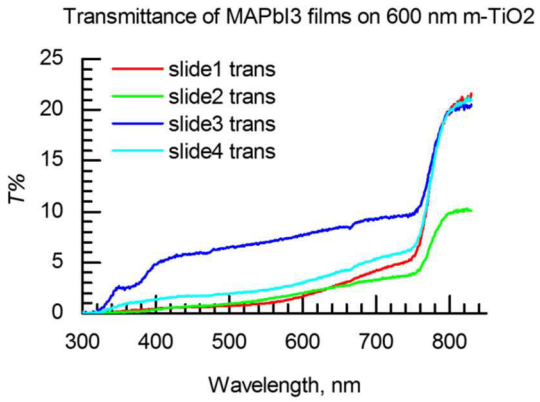
The emission spectrum of the perovskite pellet

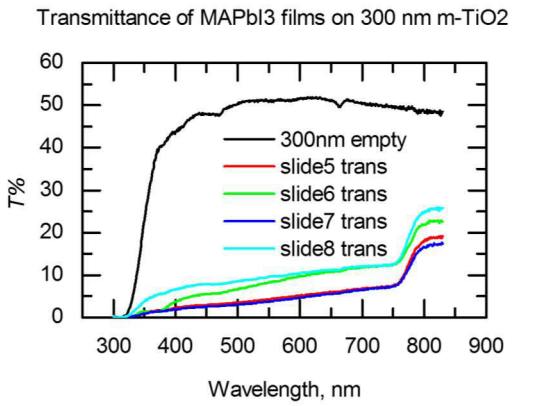


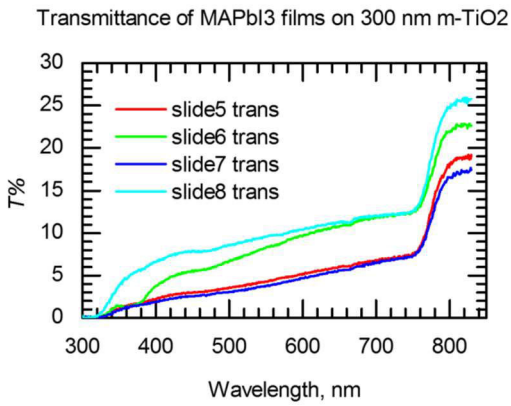
Comparison of different perovskite emission spectra

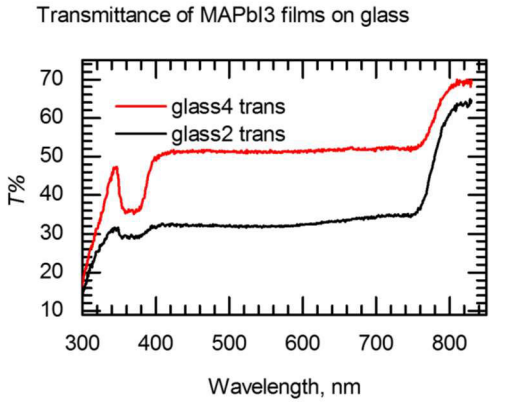
Transmittance spectra:



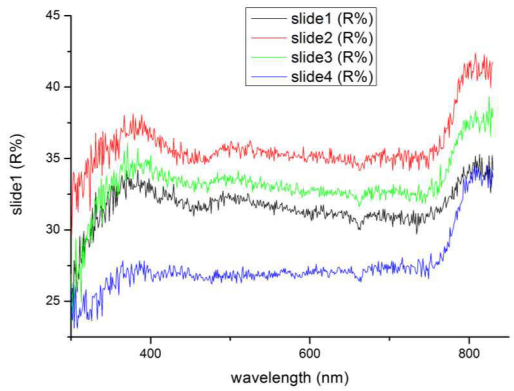




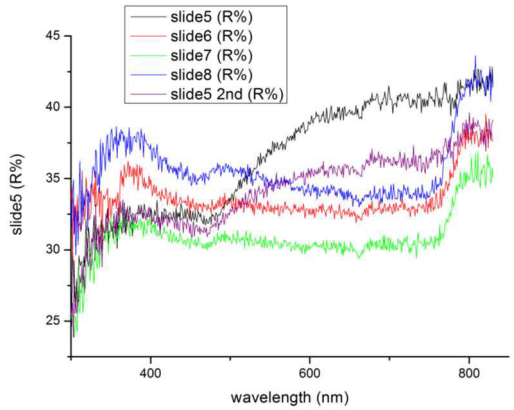




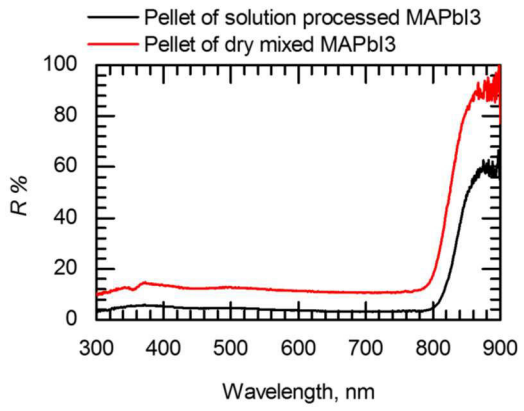
Reflectance spectra:



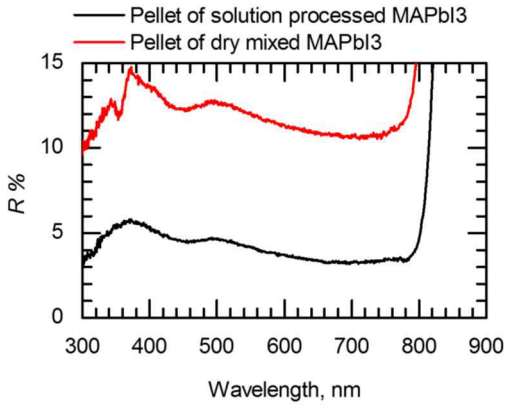
The reflectance spectra of perovskite in the first four solar cell samples prepared



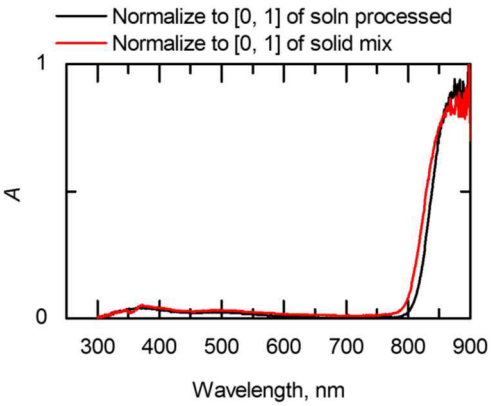
Reflectance spectra of perovskite in the last four samples of the first solar cell batch



Reflectance spectra comparison between perovskite pellets via two different methods



The previous spectra zoomed on the tail part



The comparison of reflectance spectra between pellets normalized