

Effect of Cation Incorporation on the Vibrational Properties of Mixed Lead Chloride Perovskite Single Crystals

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Supplementary Information

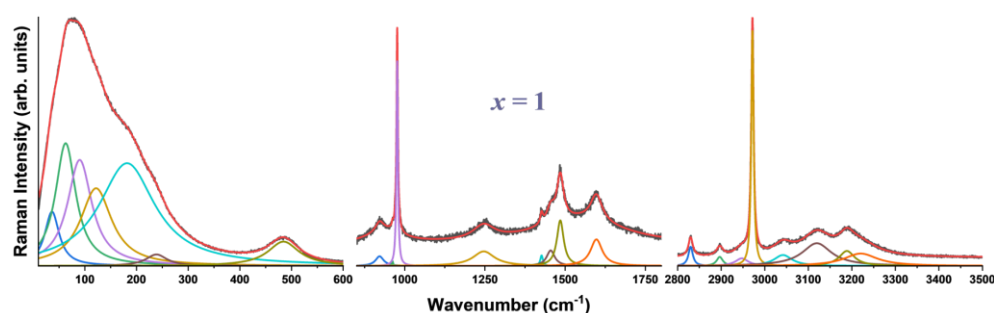


Figure S1. (Color Online) Raman spectra and best-fitted curves of MAPbCl₃ single crystal at room temperature.

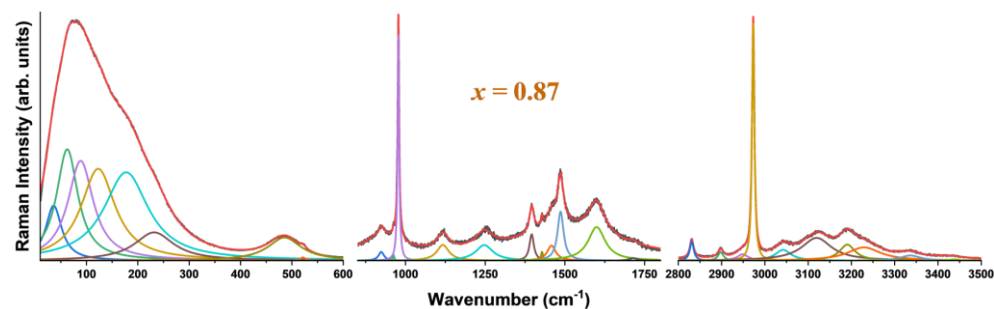


Figure S2. (Color Online) Raman spectra and best-fitted curves of MA_{0.87}FA_{0.13}PbCl₃ single crystal at room temperature.

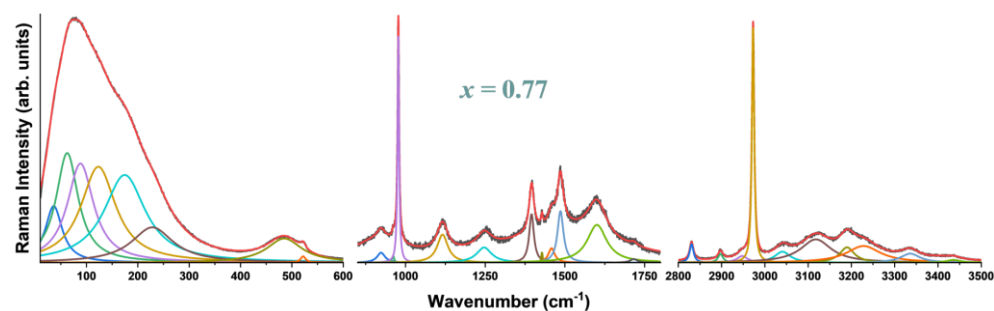


Figure S3. (Color Online) Raman spectra and best-fitted curves of MA_{0.77}FA_{0.23}PbCl₃ single crystal at room temperature.

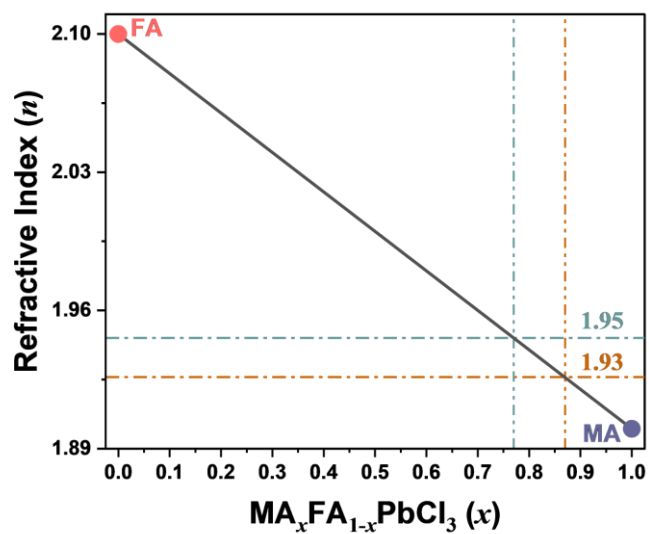


Figure S4. (Color Online) Interpolated refractive index for $\text{MA}_x\text{FA}_{1-x}\text{PbCl}_3$ single crystal. Value of re-fractive index for MAPbCl_3 [58] and FAPbCl_3 [33] were interpolated to get values for all mixed com-positions.