


## Retraction Note



# Retraction Note: Optical characteristics and solar cell performance of $(\text{MAPbBr}_3)_x$ $(\text{(MACl)}_{0.28}\text{FA}_{0.98}\text{Cs}_{0.02}\text{PbI}_3)_{1-x}$ with various composition ratios

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The authors have retracted this article because they used a technique for extracting the optical properties of thin films that does not account for interference

phenomena in the film. The unsuitable methodology affects Figs. 3, 4, 5, 6 and 7. All authors agree to this retraction.

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