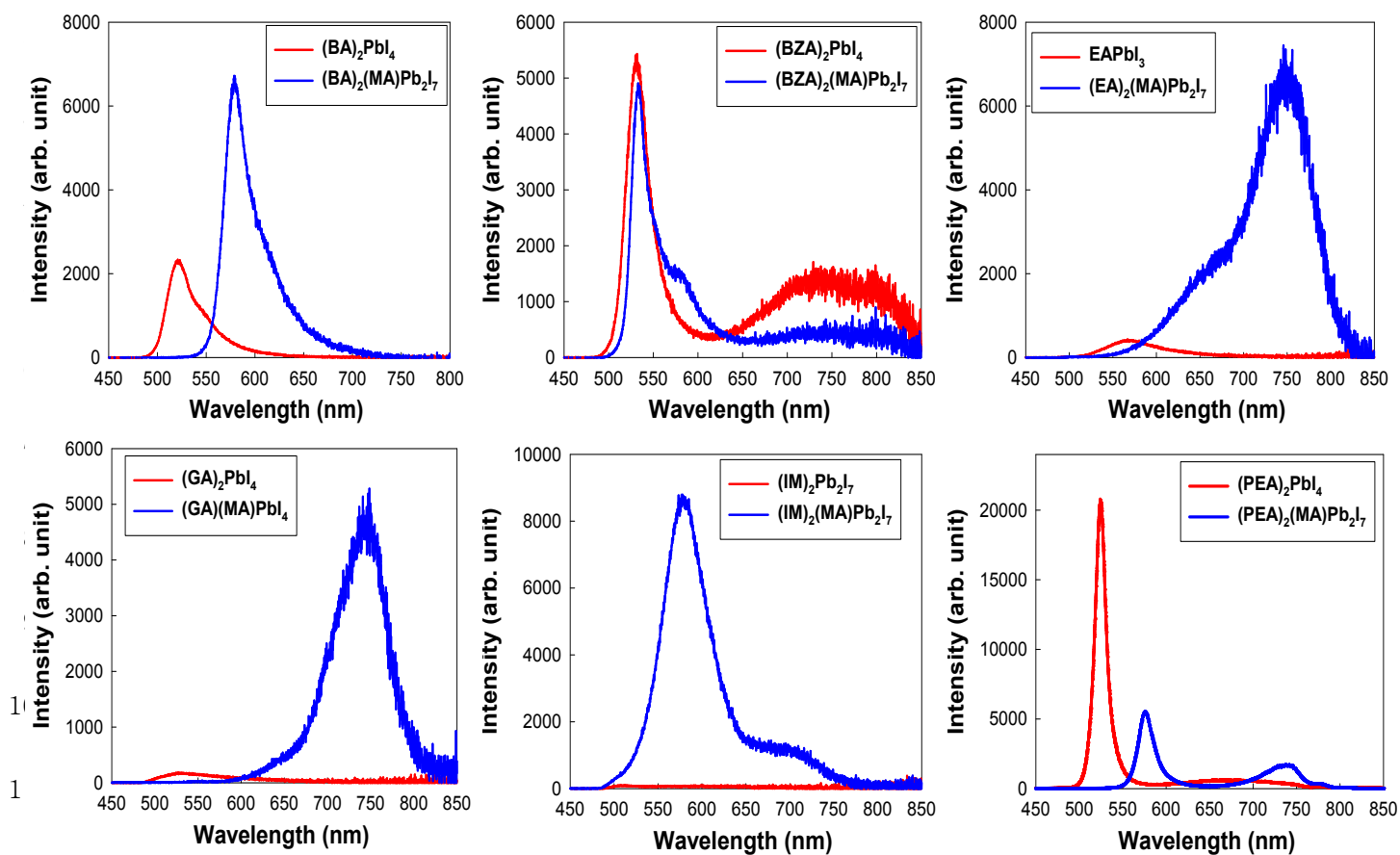


1 **Exploration of Two-Dimensional Perovskites Incorporating** 2 **Methylammonium for High Performance Solar Cells**

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13 **Figure S1.** Static Photoluminescence (PL) data for the $(\text{BA})_2\text{PbI}_4$, $(\text{BZA})_2\text{PbI}_4$, EAPbI_3 , $(\text{GA})_2\text{PbI}_4$,
 14 $(\text{IM})_2\text{Pb}_2\text{I}_7$ and $(\text{PEA})_2\text{PbI}_4$ perovskites and their quasi-2D perovskites.

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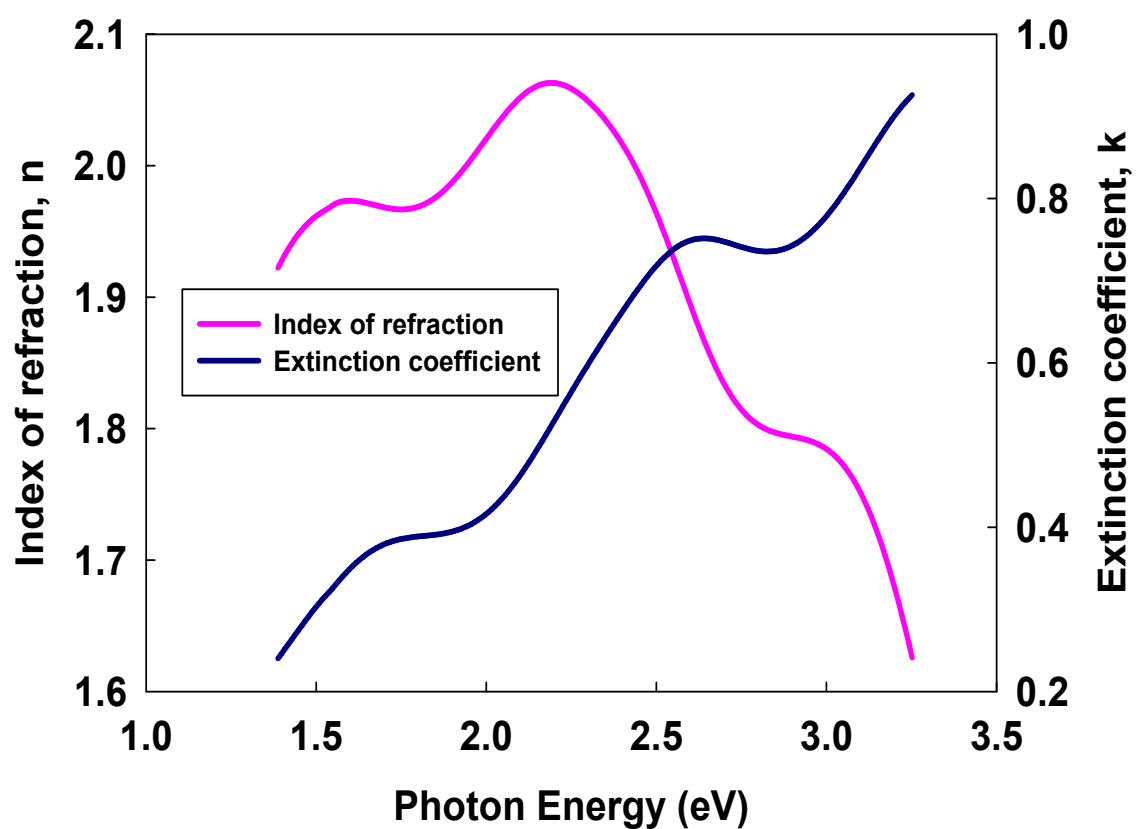


Figure S2. The index of refraction and extinction coefficient of the MAPbI₃ perovskite