

Supporting information

Dynamics of Anion Exchange in Cesium Lead Halide (CsPbX_3) Perovskite Nanocrystals

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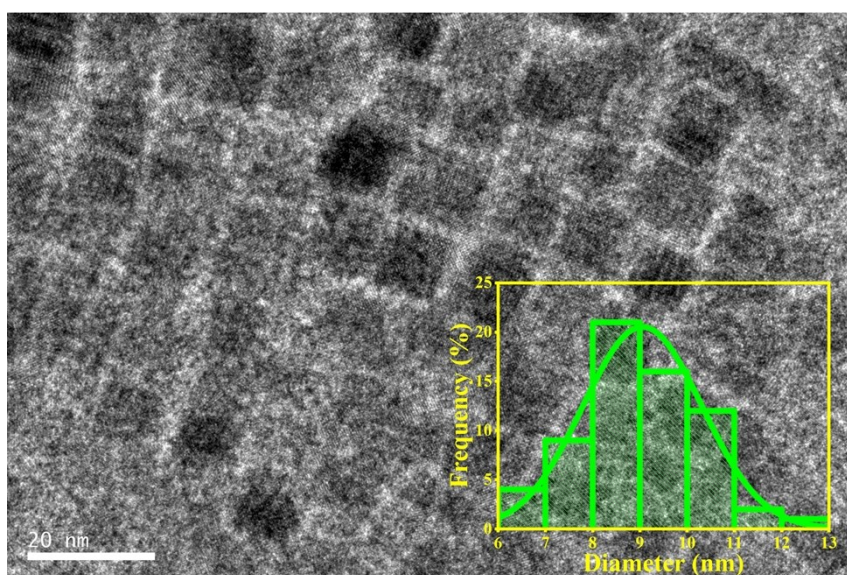


Figure S1: TEM image of the as-synthesized CsPbBr_3 PNCs. Inset: size distribution of the CsPbBr_3 PNCs.

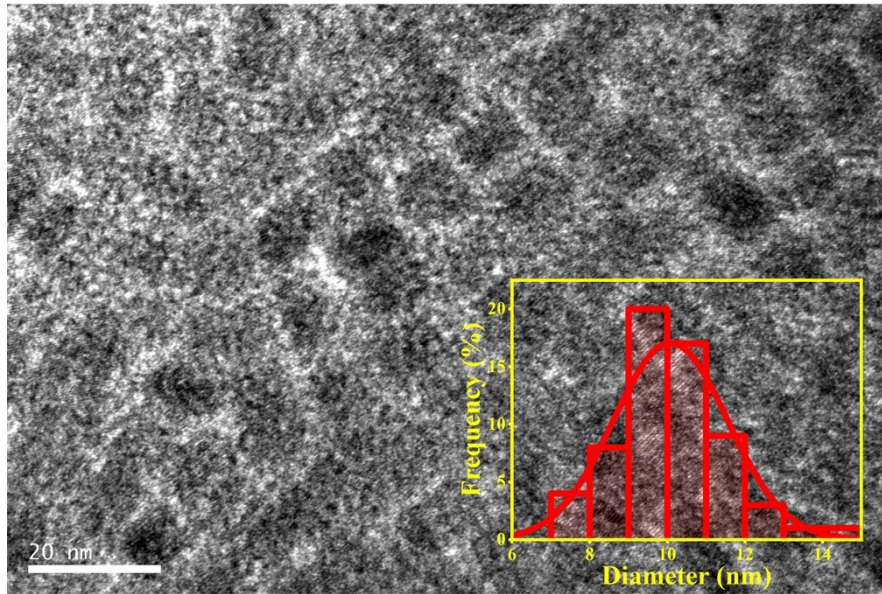


Figure S2: TEM image of the as-synthesized CsPb(Br_{0.09}/I_{0.91})₃ PNCs. Inset: size distribution of the CsPb(Br_{0.09}/I_{0.91})₃ PNCs.

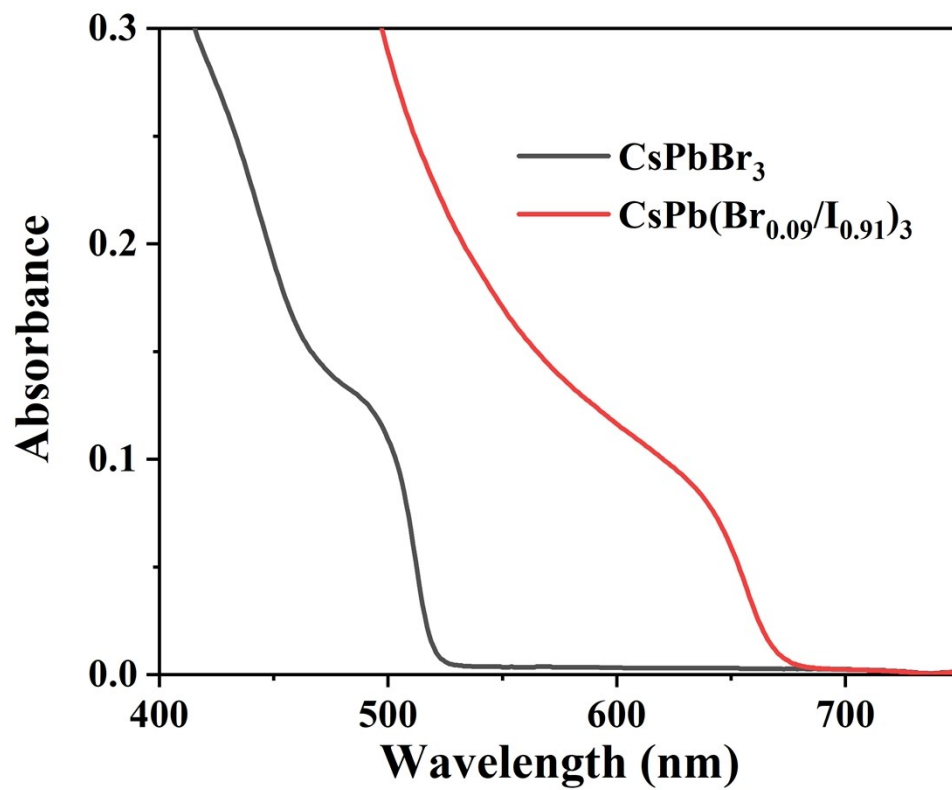


Figure S3: Absorption spectra of CsPbBr₃ and CsPb(Br_{0.09}/I_{0.91})₃ PNCs.

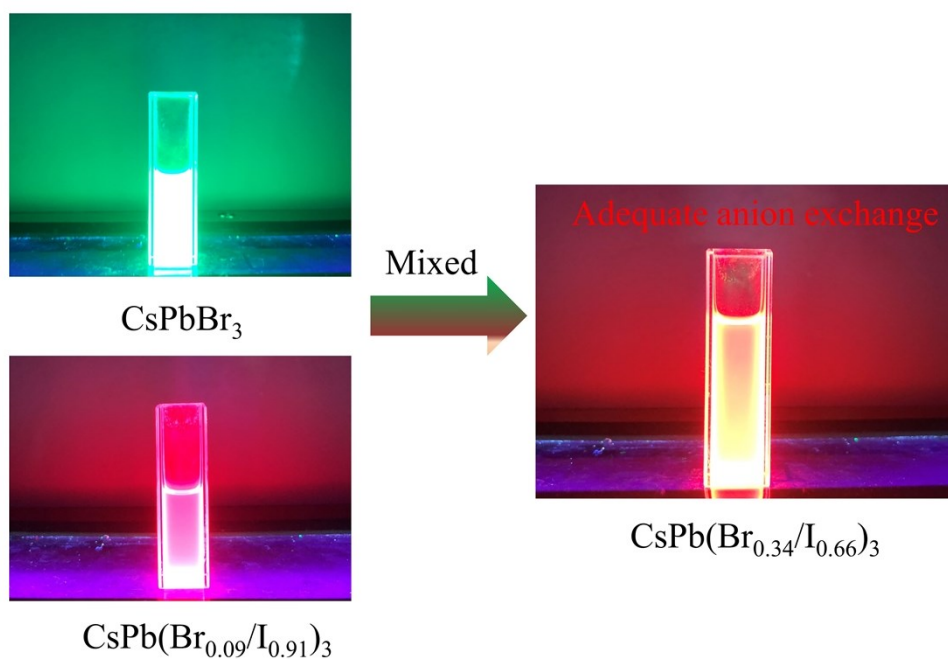


Figure S4: The fluorescent images of the initial CsPbBr_3 and $\text{CsPb}(\text{Br}_{0.09}/\text{I}_{0.91})_3$ PNCs before anion exchange (left), and the mixture after adequate anion exchange (right).

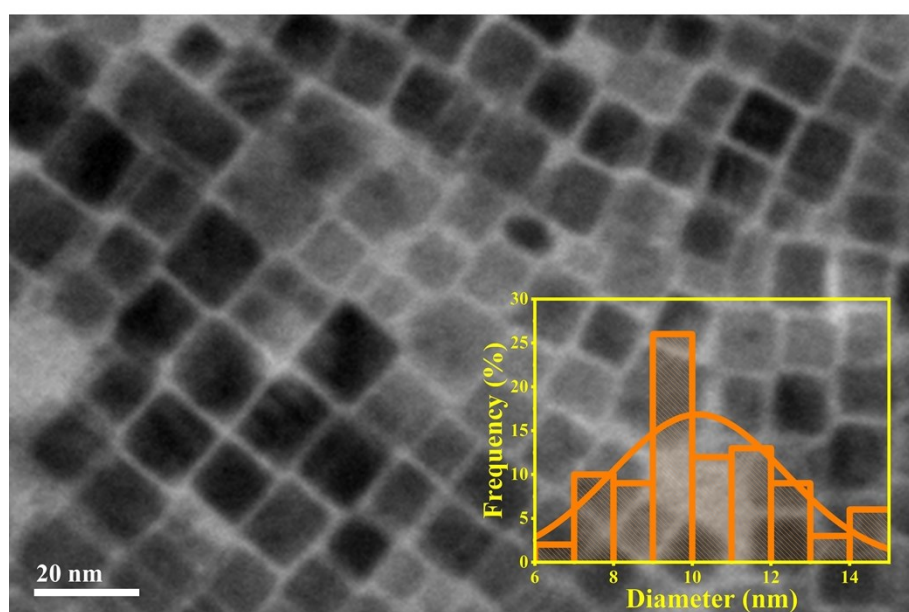


Figure S5: TEM image of the final $\text{CsPb}(\text{Br}_{0.34}/\text{I}_{0.66})_3$ PNCs after the anion exchange process. Inset: size distribution of the $\text{CsPb}(\text{Br}_{0.34}/\text{I}_{0.66})_3$ PNCs.

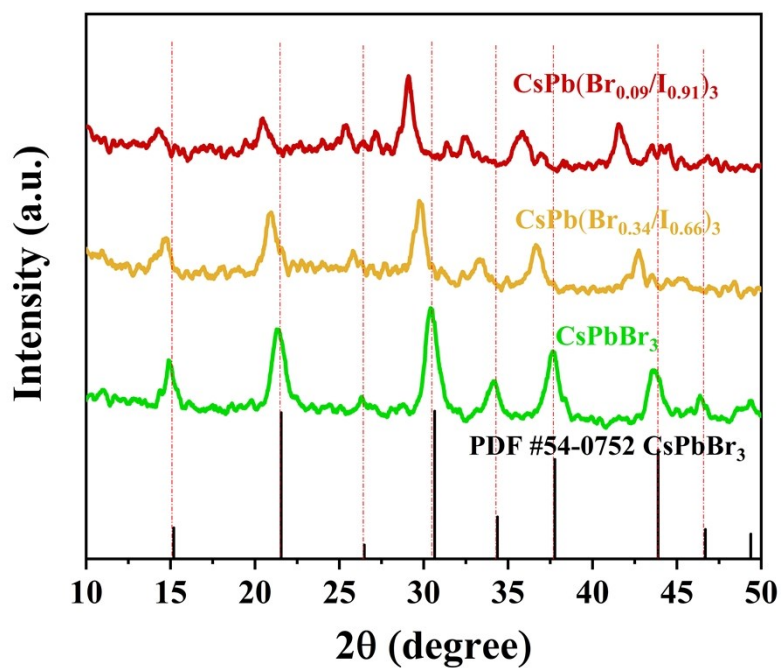


Figure S6: X-ray diffraction patterns for the parent PNCs and final PNCs.

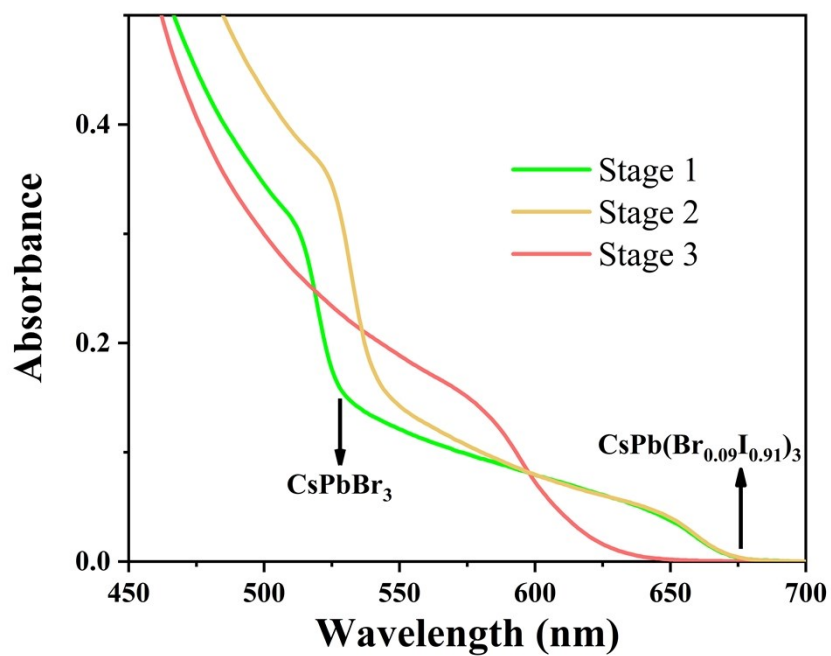


Figure S7: Absorption spectra at different stages of the anion exchange process between CsPbBr_3 and $\text{CsPb}(\text{Br}_{0.09}/\text{I}_{0.91})_3$ PNCs.