

Efficient Open-Air Synthesis of Mg^{2+} -Doped CsPbI_3 Nanocrystals for High-Performance Red LEDs

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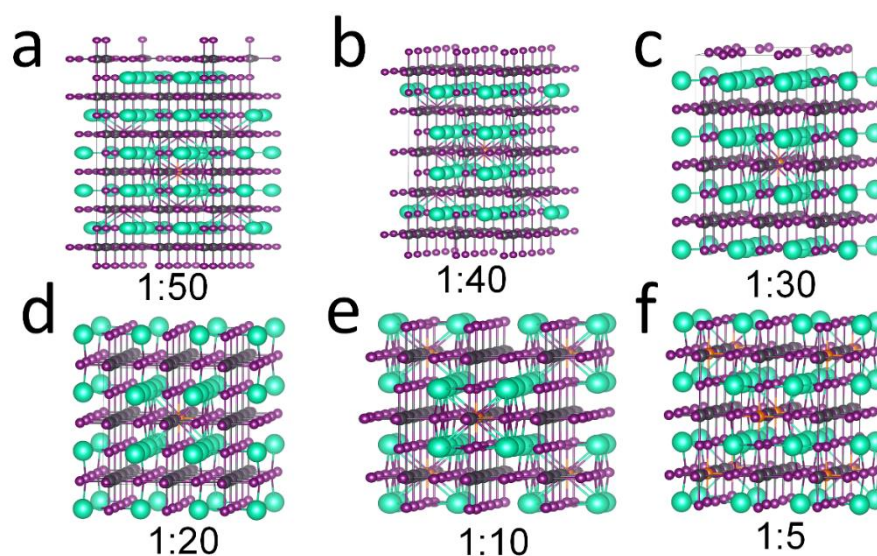


Fig. S1. Optimized crystal structures for Pb^{2+} ion was substituted by Mg^{2+} ion with an actual concentration of (a) 1/50, (b) 1/40, (c) 1/30, (d) 1/20, (d) 1/10, (e) 1/5

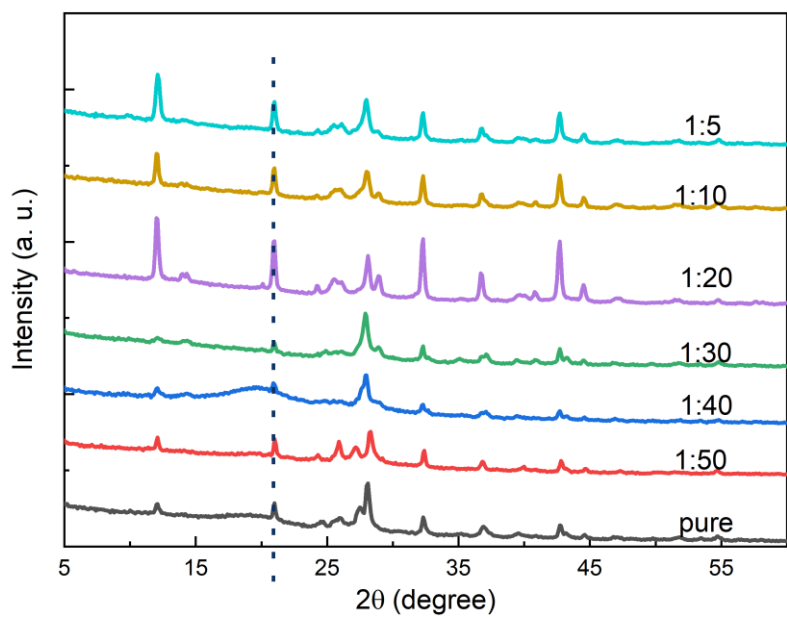


Fig. S2 XRD patterns of CsPbI₃ NCs with different doing ratio of Mg²⁺ ion.

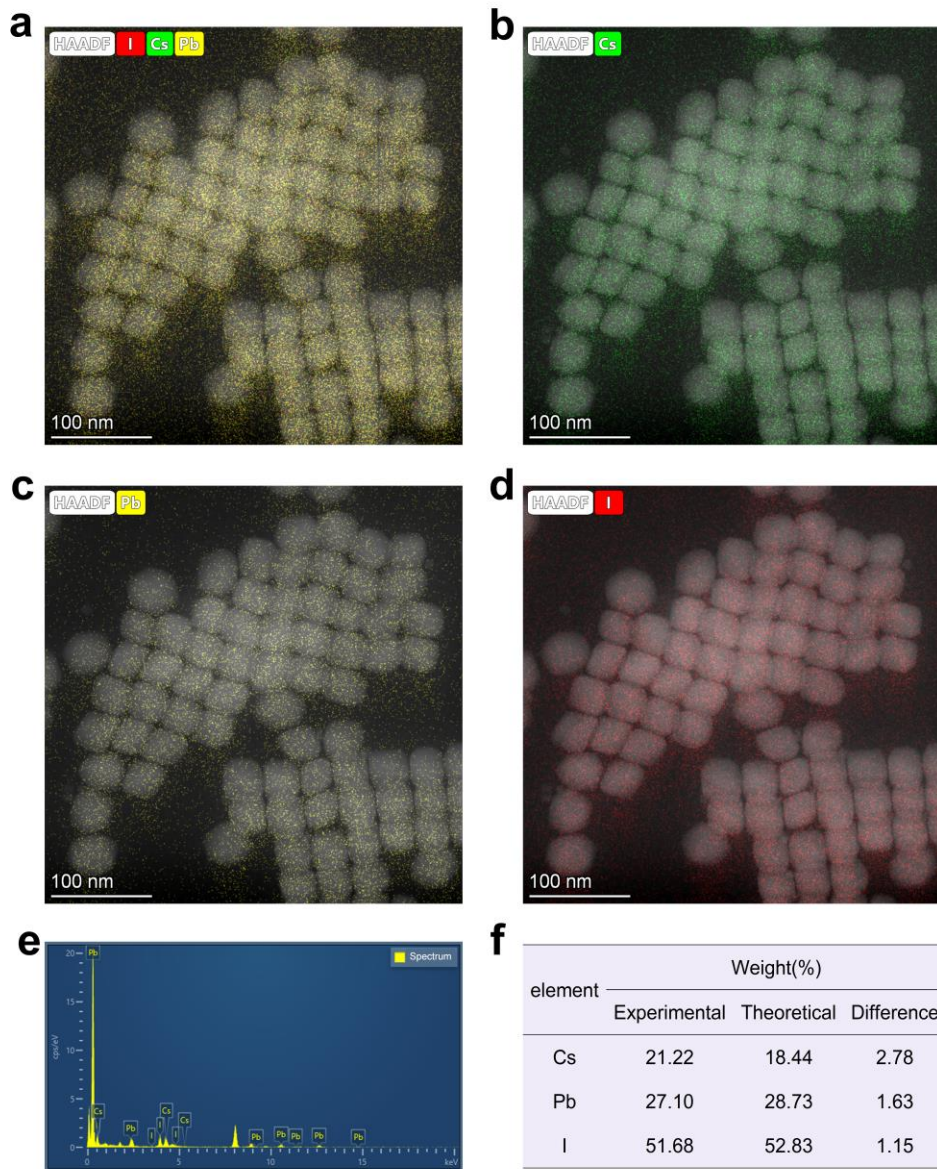


Fig. S3. HAADF image and EDS mapping for CsPbI₃ sample, a) All element, b) Cs, c) Pb, d) I element, (e) EDS spectrum, (f) element ratio of the EDS spectrum analysis.