

Supporting Information

Homogeneous Synthesis and Electroluminescence Device of Highly Luminescent CsPbBr₃ Perovskite Nanocrystals

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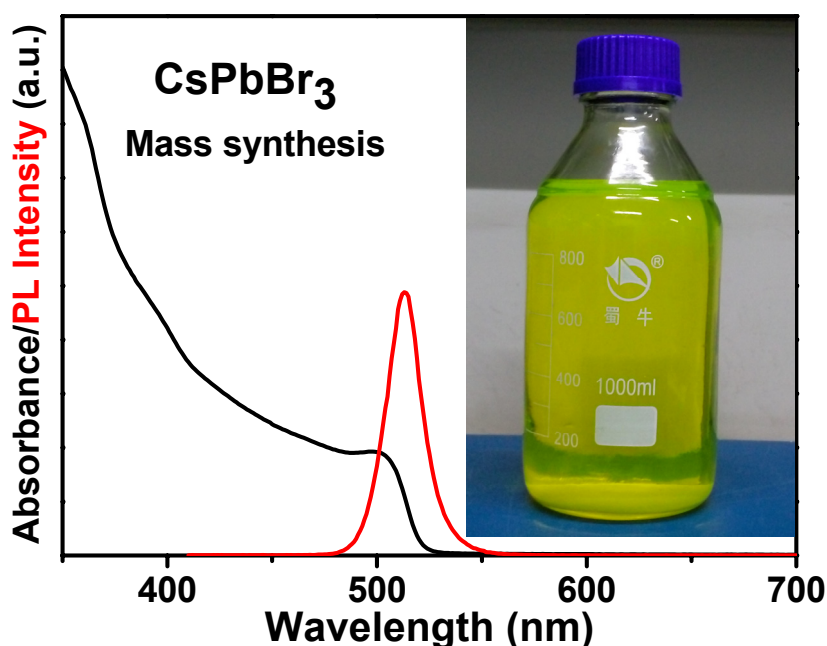


Figure S1. UV-vis absorption and PL spectra of large-scale CsPbBr₃ PNCs by using PbBr₂ as the precursor; (inset) digital photograph of large-scale CsPbBr₃ PNC solution.

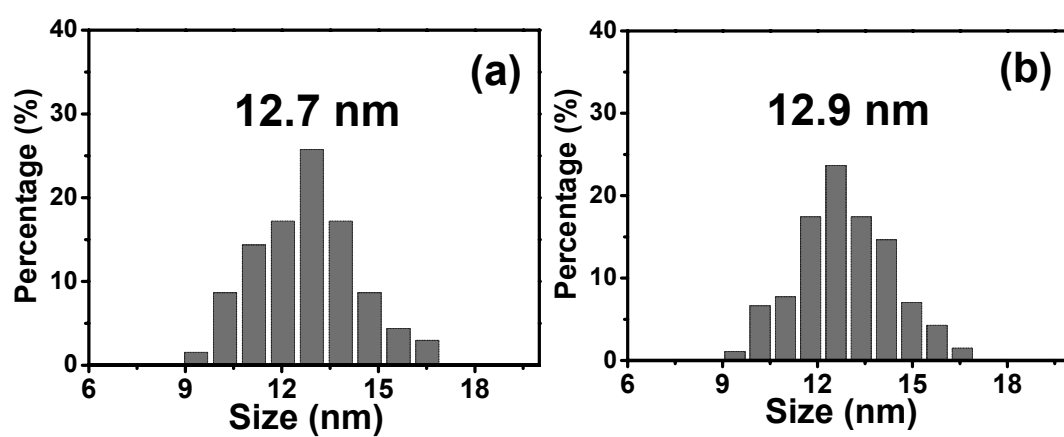


Figure S2. Size distributions of (a) small-scale and (b) large-scale synthesized CsPbBr₃ PNCs.

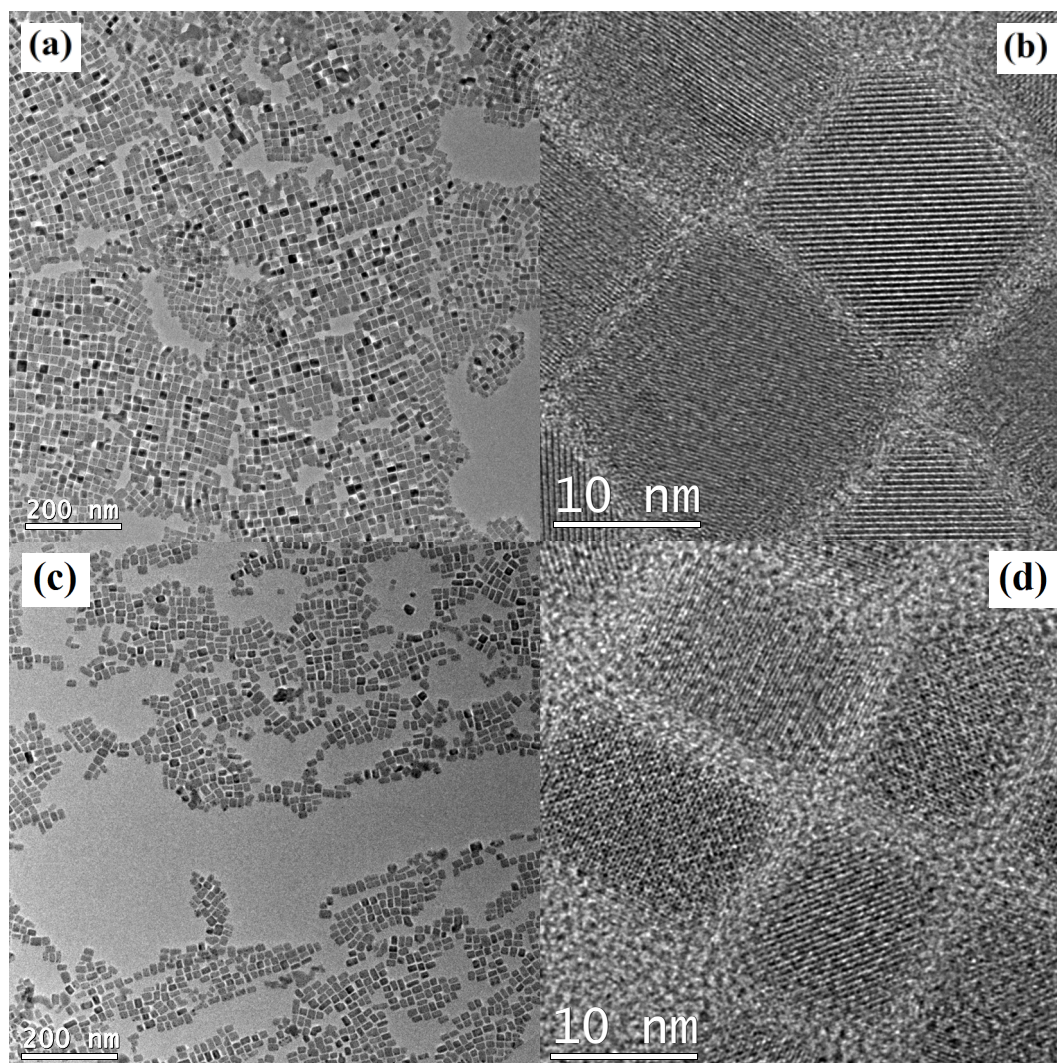


Figure S3. LR-TEM (a and c) and HR-TEM (b and d) images of oleic acid-capped CsPbBr_3 PNCs which were synthesized by injecting DMF (a and b) and NMP (c and d) PbBr_2 precursor solutions.

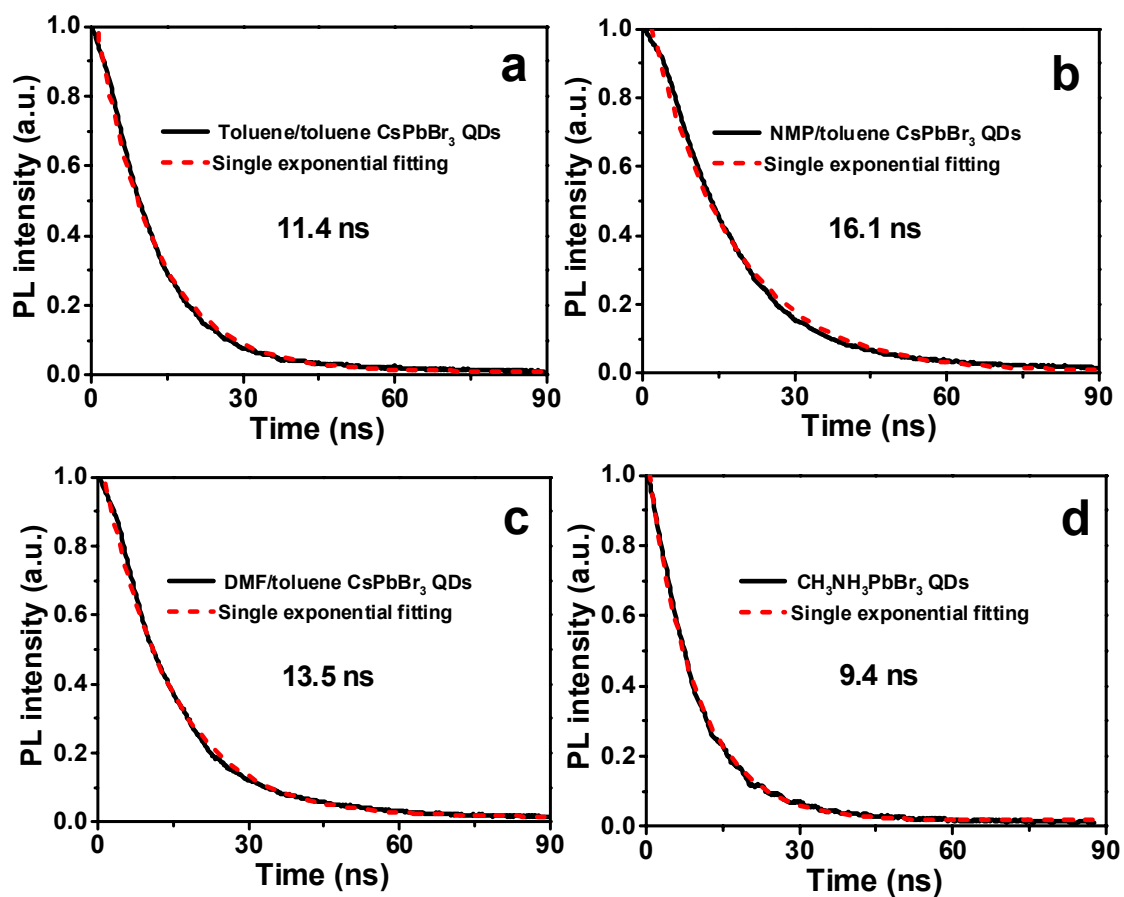


Figure S4. PL decay curves of oleic acid-capped CsPbBr_3 (a, b, and c) and $\text{CH}_3\text{NH}_3\text{PbBr}_3$ (d) PNCs which were dissolved in toluene.

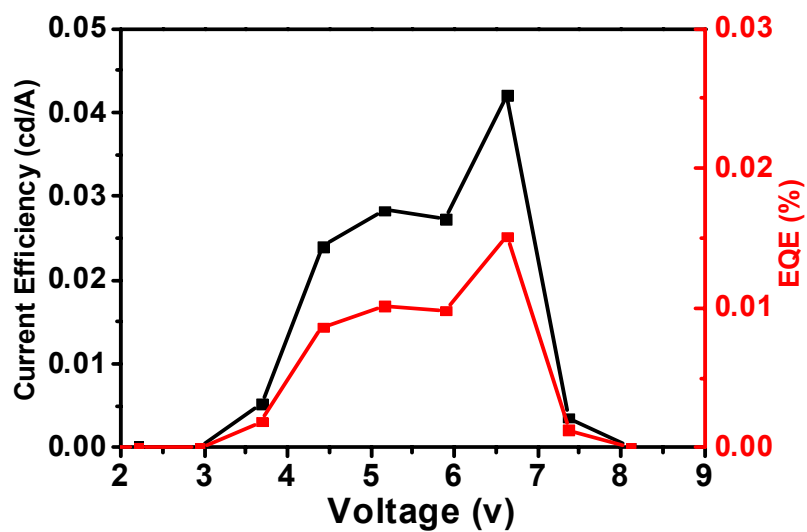


Figure S5. Current efficiency and external quantum efficiency (EQE) vs driving voltage curves for a CsPbBr₃-based LED.